File Ref.No.5334/GA - IV - B1/2012/CU

UNIVERSITY OF CALICUT

Abstract

General and Academic IV- Faculty of Humanities- Scheme and Syllabus of BA Economics with Foreign Trade Honours Programme - in tune with the CUFYUGP Regulations 2024, with effect from 2024 Admission onwards - Approved-Subject to ratification by the Academic Council-Implemented- Orders Issued

G & A - IV - B

U.O.No. 11756/2024/Admn	Dated, Calicut University.P.O, 31.07.2024

*Read:-*1.U.O.No. 3103/2024/Admn dated 22.02.2024.
2.Item No 3 of the minutes of the combined meeting of the Board of Studies in Economics UG and PG held on 23.04.2024.
3.Remarks of the Dean, Faculty of Humanities dated 25.05.2024.
4. Orders of the Vice Chancellor in the file of even No and dated 01.06.2024.

ORDER

1. The Regulations of the Calicut University Four Year UG Programmes (CUFYUGP Regulations 2024) for Affiliated Colleges, were implemented with effect from 2024 admission onwards, vide paper read as (1) above.
2. The combined meeting of the Board of Studies in Economics UG and PG held on 23.04.2024, vide paper read as (2) above, has approved the scheme and syllabus of the BA Economics with Foreign Trade Honours programme in tune with CUFYUGP Regulations 2024 with effect from 2024 Admission onwards.
3. The Dean, Faculty of Humanities vide paper read as (3) above, has approved the minutes of the combined meeting of the Board of Studies in Economics UG and PG held on 23.04.2024.
4. Under these circumstances, considering the urgency, the Vice Chancellor has approved the minutes of the combined meeting of the Board of Studies in Economics UG and PG held on 23.04.2024 and has accorded sanction to implement the scheme and syllabus of the BA Economics with Foreign Trade Honours programme in tune with CUFYUGP Regulations 2024 with effect from 2024 Admission onwards, subject to ratification by the Academic Council.
5. The scheme and syllabus of the BA Economics with Foreign Trade Honours programme in tune with CUFYUGP Regulations 2024 are implemented with effect from 2024 Admission onwards, subject to ratification by the Academic Council.
6. Orders are issued accordingly. (Syllabus appended)

Ajayakumar T.K

Assistant Registrar

To

1.The Principals of all Affiliated Colleges 2. Deputy Registrar CDOE
Copy to: PS to VC/PA to PVC/ PA to Registrar/PA to CE/JCE I/JCE II/JCE VIII/DoA/EX and EG Sections/GA I F/CHMK Library/Information Centres, Suvega/SF/DF/FC

Forwarded / By Order

Section Officer

UNIVERSITY OF CALICUT

B.A. ECONOMICS WITH FOREIGN TRADE HONOURS

(MAJOR, MINOR AND GENERAL FOUNDATION COURSES)

SYLLABUS & MODEL QUESTION PAPERS

w.e.f. 2024 admission

(CUFYUGP Regulations 2024)

1

B.A. ECONOMICS WITH FOREIGN TRADE HONOURS

(MAJOR, MINOR AND GENERAL FOUNDATION COURSES)

SYLLABUS

PROGRAMME OUTCOMES (PO):

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At the end of the graduate programme at Calicut University, a student would:

PO1	Knowledge Acquisition: Demonstrate a profound understanding of knowledge trends and their impact on the chosen discipline of study.
PO2	Communication, Collaboration, Inclusiveness, and Leadership: Become a team player who drives positive change through efEFTtive communication, collaborative acumen, transformative leadership, and a dedication to inclusivity.
PO3	Professional Skills: Demonstrate professional skills to navigate diverse career paths with confidence and adaptability.
PO4	Digital Intelligence: Demonstrate proficiency in varied digital and technological tools to understand and interact with the digital world, thus efEFTtively processing complex information.
PO5	Scientific Awareness and Critical Thinking: Emerge as an innovative problem-solver and impactful mediator, applying scientific understanding and critical thinking to address challenges and advance sustainable solutions.
PO6	Human Values, Professional Ethics, and Societal and Environmental Responsibility: Become a responsible leader, characterized by an unwavering commitment to human values, ethical conduct, and a fervent dedication to the well-being of society and the environment.
PO7	Research, Innovation, and Entrepreneurship: Emerge as a researcher and entrepreneurial leader, forging collaborative partnerships with industry, academia, and communities to contribute enduring solutions for local, regional, and global development.

PROGRAMME SPECIFIC OUTCOMES (PSO):

At the end of the BA Economics with Foreign Trade Honours programme at Calicut University, a student would:

PSO1	Understand basic concepts of economics and foreign trade.
PSO2	Examine the socio-economic problems and find out the strategies to overcome these problems through community engagement
PSO3	Achieve organizational, management and leadership skills for international business.

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PSO4	Acquire skills to evaluate contemporary socio-economic issues by accessing information from various sources and analyzing the collected information using software			
PSO5	Understand diverse needs of the marginalized segments of the society and equip them to engage in endeavours leading to their emancipation			
PSO6	Inculcate ethical values and to avoid unethical practices such as plagiarism, misrepresentation of data and violation of intellectual property rights			
PSO7	Apply analytical thinking to various economic phenomena, including analysis and evaluation of economic policies, practices, evidence, arguments, claims and beliefs			
PSO8	Acquire skills and knowledge to address real world economic issues in familiar and unfamiliar contexts			
PSO9	Develop appropriate methodology and tools for data collection, presentation and analysis, formulate appropriate and relevant research questions, and predict cause-effect relationships to deal with problems and situations to be solved through innovative practices			

MINIMUM CREDIT REQUIREMENTS OF THE DIFFERENT PATHWAYS IN THE THREE-YEAR PROGRAMME IN CUFYUGP

Sl. No.	Academic Pathway	Major	Minor/ Other Disciplines	Foundation Courses AEC: 4 MDC: 3 SEC: 3 VAC: 3	Intern-ship	Total Credits	Example
		Each course has 4 credits		Each course has 3 credits			
1	Single Major (A)	68 (17 courses)	24 (6 courses)	39 (13 courses)	2	133	Major: Economics + six courses in different disciplines in different combinations
2	Major (A) with Multiple Disciplines (B, C)	68 (17 courses)	12 + 12 (3 + 3 = 6 courses)	39 (13 courses)	2	133	Major: Economics + History and Political Science

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3	Major (A) with Minor (B)	68 (17 courses)	24 (6 courses)	39 (13 courses)	2	133	Major: Economics Minor: History
4	Major (A) with Vocational Minor (B)	68 (17 courses)	24 (6 courses)	39 (13 courses)	2	133	Major: Economics Minor: Taxation Practices and Procedures
5	Double Major (A, B)	A: 48 (12 courses) B: 44 (11 courses)	- The 24 credits in the Minor stream are distributed between the two Majors. 2 MDC, 2 SEC, 2 VAC and the Internship should be in Major A. Total credits in Major A should be 48 + 20 = 68 (50% of 133) 1 MDC, 1 SEC and 1 VAC should be in Major B. Total credits in Major B should be 44 + 9 = 53 (40% of 133)	12 + 18 + 9	2	133	Economics and Mathematics double major

| | Exit with UG Degree / Proceed to Fourth Year with 133 Credits | | | | | | |

B.A. ECONOMICS WITH FOREIGN TRADE HONOURS PROGRAMME
COURSE STRUCTURE FOR PATHWAYS 1 – 4

1. Single Major   2. Major with Multiple Disciplines
3. Major with Minor   4. Major with Vocational Minor

Se mes ter	Course Code	Course Title	Total Hours	Hours/ Week	Credi ts	Marks		
						Inte rnal	Exte rnal	Total
1	ECO1CJ 101/ ECO1M N100	Core Course 1 in Major – Principles of Economics	75	5	4	30	70	100

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		Minor Course 1	60/ 75	4/ 5	4	30	70	100
		Minor Course 2	60/ 75	4/ 5	4	30	70	100
	ENG1FA 101(1B)	Ability Enhancement Course 1– English	60	4	3	25	50	75
		Ability Enhancement Course 2 – Additional Language	45	3	3	25	50	75
		Multi-Disciplinary Course 1 – Other than Major	45	3	3	25	50	75
		Total		**23/ 25**	**21**			**525**
2	ECO2CJ 102/ ECO2MN100	Core Course 2 in Major – Budget Analysis	75	5	4	30	70	100
		Minor Course 3	60/ 75	4/ 5	4	30	70	100
		Minor Course 4	60/ 75	4/ 5	4	30	70	100
	ENG2FA 103(1B)	Ability Enhancement Course 3– English	60	4	3	25	50	75
		Ability Enhancement Course 4 – Additional Language	45	3	3	25	50	75
		Multi-Disciplinary Course 2 – Other than Major	45	3	3	25	50	75
		Total		**23/ 25**	**21**			**525**
3	ECO3CJ 201	Core Course 3 in Major – Analytical Tools for Economics – I	60	4	4	30	70	100
	ECO3CJ 202/ ECO3MN200	Core Course 4 in Major – Evolution of Economic Theories	60	4	4	30	70	100
		Minor Course 5	60/ 75	4/ 5	4	30	70	100
		Minor Course 6	60/ 75	4/ 5	4	30	70	100
		Multi-Disciplinary Course 3 – Kerala Knowledge System	45	3	3	25	50	75
	ENG3FV 108(1B)	Value-Added Course 1 – English	45	3	3	25	50	75
		Total		**22/ 24**	**22**			**550**
4	ECO4CJ 203	Core Course 5 in Major – Intermediate Microeconomics	60	4	4	30	70	100
	ECO4CJ 204	Core Course 6 in Major – Intermediate Macroeconomics	60	4	4	30	70	100

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Sem	Code	Course Title						
	ECO4CJ 205	Core Course 7 in Major – Analytical Tools for Economics – II	60	4	4	30	70	100
	ENG4F V 109(1B)	Value-Added Course 2 – English	45	3	3	25	50	75
		Value-Added Course 3 – Additional Language	45	3	3	25	50	75
	ENG4F S 111(1B)	Skill Enhancement Course 1 – English	60	4	3	25	50	75
		Total		**22**	**21**			**525**
5	ECO5CJ 301	Core Course 8 in Major – Advanced Microeconomics	60	4	4	30	70	100
	EFT5CJ 302	Core Course 9 in Major – Foreign Trade Documentation and Logistics	60	4	4	30	70	100
	EFT5CJ 303	Core Course 10 in Major – Export Marketing	60	4	4	30	70	100
		Elective Course 1 in Major	60	4	4	30	70	100
		Elective Course 2 in Major	60	4	4	30	70	100
		Skill Enhancement Course 2 –	45	3	3	25	50	75
		Total		**23**	**23**			**575**
6	EFT6CJ 304/ EFT8M N304	Core Course 11 in Major – Economics of Shipping and Insurance Practices	60	4	4	30	70	100
	EFT6CJ 305/ EFT8M N305	Core Course 12 in Major – Foreign Trade Financing and Procedure	75	5	4	30	70	100
	ECO6CJ 306/ ECO8M N306	Core Course 13 in Major – Advanced Macroeconomics	60	4	4	30	70	100
		Elective Course 3 in Major	60	4	4	30	70	100
		Elective Course 4 in Major	60	4	4	30	70	100
	ECO6F S 113	Skill Enhancement Course 3 – Economic Research with R	45	3	3	25	50	75
	EFT6CJ 349	Internship in Major (Credit for internship to be awarded only at the end of Semester 6)	60		2	50	-	50
		Total		**24**	**25**			**625**
		Total Credits for Three Years			**133**			**3325**

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7	ECO7CJ 401	Core Course 14 in Major – Time Series Econometrics	75	5	4	30	70	100
	ECO7CJ 402	Core Course 15 in Major – Game Theory and Economic Behaviour	75	5	4	30	70	100
	ECO7CJ 403	Core Course 16 in Major – Development Theories and Models	75	5	4	30	70	100
	ECO7CJ 404	Core Course 17 in Major – Balance of Payments and Exchange Market	75	5	4	30	70	100
	ECO7CJ 405	Core Course 18 in Major – Development Issues in Kerala	75	5	4	30	70	100
		Total		**25**	**20**			**500**
8	ECO8CJ 406 / ECO8MN406	Core Course 19 in Major – Macroeconomic Models and Measurement	75	5	4	30	70	100
	ECO8CJ 407 / ECO8MN407	Core Course 20 in Major – Applied Microeconomics and Evaluation	60	4	4	30	70	100
	ECO8CJ 408 / ECO8MN408	Core Course 21 in Major – Heterodox Economics	60	4	4	30	70	100
	OR (instead of Core Courses 19 – 21 in Major)							
	EFT8CJ 449	Project (in Honours programme)	360*	13*	12	90	210	300
	EFT8CJ 499	Project (in Honours with Research programme)	360*	13*	12	90	210	300
		Elective Course 5 in Major / Minor Course 7	60	4	4	30	70	100
		Elective Course 6 in Major / Minor Course 8	60	4	4	30	70	100
		Elective Course 7 in Major / Minor Course 9 / Major Course in any Other Discipline	60	4	4	30	70	100
	OR (instead of Elective Course 7 in Major, in the case of Honours with Research Programme)							
	ECO8CJ 489 (1)/ ECO8CJ 489 (2)	Methods for Quantitative Research in Economics/ Methods for Qualitative Research in Economics	60	4	4	30	70	100
		Total		**25**	**24**			**600**
	Total Credits for Four Years			**177**				**4425**

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* The teacher should have 13 hrs/week of engagement (the hours corresponding to the three core courses) in the guidance of the Project(s) in Honours programme and Honours with Research programme, while each student should have 24 hrs/week of engagement in the Project work. Total hours are given based on the student's engagement.

CREDIT DISTRIBUTION FOR PATHWAYS 1 – 4

1. Single Major
2. Major with Multiple Disciplines
3. Major with Minor
4. Major with Vocational Minor

Semester	Major Courses	Minor Courses	General Foundation Courses	Internship/ Project	Total
1	4	4 + 4	3 + 3 + 3	-	21
2	4	4 + 4	3 + 3 + 3	-	21
3	4 + 4	4 + 4	3 + 3	-	22
4	4 + 4 + 4	-	3 + 3 + 3	-	21
5	4 + 4 + 4 + 4 + 4	-	3	-	23
6	4 + 4 + 4 + 4 + 4	-	3	2	25
Total for Three Years	**68**	**24**	**39**	**2**	**133**
7	4 + 4 + 4 + 4 + 4	-	-	-	20
8	4 + 4 + 4	4 + 4 + 4	-	12*	24
* Instead of three Major courses					
Total for Four Years	**88 + 12 = 100**	**36**	**39**	**2**	**177**

DISTRIBUTION OF MAJOR COURSES IN ECONOMICS WITH FOREIGN TRADE
FOR PATHWAYS 1 – 4

1. Single Major
2. Major with Multiple Disciplines
3. Major with Minor
4. Major with Vocational Minor

Semester	Course Code	Course Title	Hours/ Week	Credits
1	ECO1CJ	Core Course 1 in Major – Principles of Economics	5	4

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	101 / ECO1MN 100			
2	ECO2CJ 102 / ECO2MN 100	Core Course 2 in Major – Budget Analysis	5	4
3	ECO3CJ 201	Core Course 3 in Major – Analytical Tools for Economics – I	4	4
	ECO3CJ 202 / ECO3MN 200	Core Course 4 in Major – Evolution of Economic Theories	4	4
4	ECO4CJ 203	Core Course 5 in Major – Intermediate Microeconomics	4	4
	ECO4CJ 204	Core Course 6 in Major – Intermediate Macroeconomics	4	4
	ECO4CJ 205	Core Course 7 in Major – Analytical Tools for Economics – II	4	4
5	ECO5CJ 301	Core Course 8 in Major – Advanced Microeconomics	4	4
	EFT5CJ 302	Core Course 9 in Major – Foreign Trade Documentation and Logistics	4	4
	EFT5CJ 303	Core Course 10 in Major – Export Marketing	4	4
		Elective Course 1 in Major	4	4
		Elective Course 2 in Major	4	4
6	EFT6CJ 304 / EFT8MN 304	Core Course 11 in Major – Economics of Shipping and Insurance Practices	4	4
	EFT6CJ 305 / EFT8MN 305	Core Course 12 in Major – Foreign Trade Financing and Procedure	5	4
	ECO6CJ 306 / ECO8MN 306	Core Course 13 in Major – Advanced Macroeconomics	4	4
		Elective Course 3 in Major	4	4
		Elective Course 4 in Major	4	4

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	EFT6CJ 349	Internship in Major	-	2
	Total for the Three Years			**70**
7	ECO7CJ 401	Core Course 14 in Major – Time Series Econometrics	5	4
	ECO7CJ 402	Core Course 15 in Major – Game Theory and Economic Behaviour	5	4
	ECO7CJ 403	Core Course 16 in Major – Development Theories and Models	5	4
	ECO7CJ 404	Core Course 17 in Major – Balance of Payments and Exchange Market	5	4
	ECO7CJ 405	Core Course 18 in Major – Development Issues in Kerala	5	4
8	ECO8CJ 406 / ECO8MN 406	Core Course 19 in Major – Macroeconomic Models and Measurement	5	4
	ECO8CJ 407 / ECO8MN 407	Core Course 20 in Major – Applied Microeconomics and Evaluation	4	4
	ECO8CJ 408 / ECO8MN 408	Core Course 21 in Major – Heterodox Economics	4	4
	OR (instead of Core Courses 19 – 21 in Major)			
	EFT8CJ 449	Project (in Honours programme)	13	12
	EFT8CJ 499	Project (in Honours with Research programme)	13	12
		Elective Course 5 in Major	4	4
		Elective Course 6 in Major	4	4
		Elective Course 7 in Major	4	4
	OR (instead of Elective course 7 in Major, in Honours with Research programme)			
	ECO8CJ 489 (1)/ ECO8CJ 489 (2)	Methods for Quantitative Research in Economics/ Methods for Qualitative Research in Economics	4	4
	Total for the Four Years			**114**

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ELECTIVE COURSES IN ECONOMICS WITH FOREIGN TRADE

Sl. No.	Course Code	Title	Semester	Total Hrs	Hrs/ Week	Credits	Marks		
							Internal	External	Total
1	ECO5EJ 301	Gender Analysis in Economics	5	60	4	4	30	70	100
2	ECO5EJ 302	Environment and Sustainable Development	5	60	4	4	30	70	100
3	ECO5EJ 303	Economic Database Management	5	60	4	4	30	70	100
4	ECO5EJ 304	Economics of Labour Market	5	60	4	4	30	70	100
5	ECO5EJ 305	Health Economics	5	60	4	4	30	70	100
6	ECO5EJ 306	Human Capital and Economic Development	5	60	4	4	30	70	100
7	EFT5EJ 307	Foreign Trade in India	5	60	4	4	30	70	100
8	EFT5EJ 308	International Economics	5	60	4	4	30	70	100
9	ECO6EJ 307	Industrial Economics	6	60	4	4	30	70	100
10	ECO6EJ 308	Agricultural Economics	6	60	4	4	30	70	100
11	ECO6EJ 309	Indian Financial Market	6	60	4	4	30	70	100
12	ECO6EJ 310	Demography	6	60	4	4	30	70	100

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13	ECO6EJ 311	Basic Methods for Economic Research	6	60	4	4	30	70	100
14	ECO6EJ 312	Economic Geography	6	60	4	4	30	70	100
15	EFT6EJ 313	Foreign Exchange Management	6	60	4	4	30	70	100
16	EFT6EJ 314	Computer Applications in Foreign Trade	6	60	4	4	30	70	100
17	ECO8EJ 401	Social Choice Theory	8	60	4	4	30	70	100
18	ECO8EJ 402	Banking and Insurance	8	60	4	4	30	70	100
19	ECO8EJ 403	Economics of Education	8	60	4	4	30	70	100
20	ECO8EJ 404	Law and Economics	8	60	4	4	30	70	100
21	ECO8EJ 405	Local Level Planning	8	60	4	4	30	70	100
22	ECO8EJ 406	Finance and Technology	8	60	4	4	30	70	100

DISTRIBUTION OF GENERAL FOUNDATION COURSES IN ECONOMICS WITH FOREIGN TRADE

Semester	Course Code	Course Title	Total Hours	Hours/ Week	Credits	Marks		
						Internal	External	Total
1	ECO1FM 105	Multi-Disciplinary Course 1 – Security Trading Practices	45	3	3	25	50	75
2	ECO2FM 106	Multi-Disciplinary Course 2 – Digital Economy	45	3	3	25	50	75

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Semester	Course Code	Course Title	Total Hours	Hours/ Week	Credits	Internal	External	Total
3	ECO3FV 108	Value-Added Course 1 – Financial Literacy and Personal Finance	45	3	3	25	50	75
4	ECO4FV 110	Value-Added Course 2 – Digital Marketing and E-Commerce Strategies	45	3	3	25	50	75
5	ECO5FS 112	Skill Enhancement Course 2 – Big Data Analysis in Economics	45	3	3	25	50	75
6	ECO6FS 113	Skill Enhancement Course 3 – Economic Research with R	45	3	3	25	50	75

COURSE STRUCTURE FOR BATCH A1(B2)
IN PATHWAY 5: DOUBLE MAJOR

A1: 68 credits in Economics with Foreign Trade (Major A)

B1: 68 credits in Major B

A2: 53 credits in Economics with Foreign Trade (Major A)

B2: 53 credits in Major B

The combinations available to the students: (A1 & B2), (B1 & A2)

Note: Unless the batch is specified, the course is for all the students of the class

Semester	Course Code	Course Title	Total Hours	Hours/ Week	Credits	Marks		
						Internal	External	Total
1	ECO1CJ 101 / ECO1MN 100	Core Course 1 in Major Economics with Foreign Trade– Principles of Economics	75	5	4	30	70	100
	BBB1CJ 101	Core Course 1 in Major B –	60/ 75	4/ 5	4	30	70	100
	ECO1CJ 102 / ECO2CJ 102* / ECO2MN100*	Core Course 2 in Major Economics with Foreign Trade – Budget Analysis (for batch A1 only)	75	5	4	30	70	100
	ENG1FA 101(1B)	Ability Enhancement Course 1 – English	60	4	3	25	50	75
		Ability Enhancement Course 2 – Additional Language	45	3	3	25	50	75

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	ECO1FM 105	Multi-Disciplinary Course 1 in Economics with Foreign Trade – Security Trading Practices (for batch A1 only)	45	3	3	25	50	75
		Total		**24/ 25**	**21**			**525**
2	ECO2CJ 101 / ECO3CJ 201*	Core Course 3 in Major Economics with Foreign Trade – Analytical Tools for Economics – I	60	4	4	30	70	100
	BBB2CJ 101	Core Course 2 in Major B –	60/ 75	4/ 5	4	30	70	100
	BBB2CJ 102 / BBB1CJ 102	Core Course 3 in Major B – (for batch B2 only)	60/ 75	4/ 5	4	30	70	100
	ENG2F A 103(1B)	Ability Enhancement Course 3 – English	60	4	3	25	50	75
		Ability Enhancement Course 4 – Additional Language	45	3	3	25	50	75
	ECO2FM 106	Multi-Disciplinary Course 2 in Economics with Foreign Trade – Digital Economy	45	3	3	25	50	75
		Total		**22/24**	**21**			**525**
3	ECO3CJ 202 / ECO3M N200	Core Course 4 in Major Economics with Foreign Trade – Evolution of Economic Theories	60	4	4	30	70	100
	ECO3CJ 203 / ECO4CJ 203*	Core Course 5 in Major Economics with Foreign Trade – Intermediate Microeconomics	60	4	4	30	70	100
	BBB3CJ 201	Core Course 4 in Major B	60/ 75	4/ 5	4	30	70	100
	BBB3CJ 202	Core Course 5 in Major B	60/ 75	4/ 5	4	30	70	100
	BBB3F M 106 / BBB2F M 106	Multi-Disciplinary Course 1 in B –	45	3	3	25	50	75

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	ECO3FV 108	Value-Added Course 1 in Economics with Foreign Trade – Financial Literacy and Personal Finance (for batch A1 only)	45	3	3	25	50	75
		Total		**22/24**	**22**			**550**
4	ECO4CJ 204	Core Course 6 in Major Economics with Foreign Trade – Intermediate Macroeconomics	60	4	4	30	70	100
		Core Course 6 in Major B	60/ 75	4/ 5	4	30	70	100
	ECO4CJ 205	Core Course 7 in Major Economics with Foreign Trade – Analytical Tools for Economics – II (for batch A1 only)	60	4	4	30	70	100
	ECO4FV 110	Value-Added Course 2 in Economics with Foreign Trade – Digital Marketing and E-Commerce Strategies	45	3	3	25	50	75
	BBB4FV 110	Value-Added Course 1 in B –	45	3	3	25	50	75
	ECO4FS 112 / ECO5FS 112*	Skill Enhancement Course 1 in Economics with Foreign Trade – Big Data Analysis in Economics	45	3	3	25	50	75
		Total		**21/ 22**	**21**			**525**
5	EFT5CJ 302	Core Course 8 in Major Economics with Foreign Trade – Foreign Trade Documentation and Logistics	60	4	4	30	70	100
		Core Course 7 in Major B –	60/ 75	4/ 5	4	30	70	100
	EFT5CJ 303	Core Course 9 in Major Economics with Foreign Trade – Export Marketing (for batch A1 only)	60	4	4	30	70	100
		Elective Course 1 in Major Economics with Foreign Trade	60	4	4	30	70	100
		Elective Course 1 in Major B	60	4	4	30	70	100

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BBB5FS 112 / BBB4FS 112	Skill Enhancement Course 1 in B	45	3	3	25	50	75
	Total		**23/ 24**	**23**			**575**
EFT6CJ 304 / EFT8MN 304	Core Course 10 in Major Economics with Foreign Trade – Economics of Shipping and Insurance Practices	60	4	4	30	70	100
	Core Course 8 in Major B –	60/ 75	4/ 5	4	30	70	100
BBB6CJ 305	Core Course 9 in Major B – (for batch B2 only)	60	4	4	30	70	100
	Elective Course 2 in Major Economics with Foreign Trade	60	4	4	30	70	100
	Elective Course 2 in Major B	60	4	4	30	70	100
ECO6FS 113	Skill Enhancement Course 2 in Economics with Foreign Trade – Economic Research with R (for batch A1 only)	45	3	3	25	50	75
EFT6CJ 349	Internship in Major Economics with Foreign Trade (Credit for internship to be awarded only at the end of Semester 6)	60		2	50	-	50
	Total		**23/ 24**	**25**			**625**
	Total Credits for Three Years			**133**			**3325**

For batch A1(B2), the course structure in semesters 7 and 8 is the same as for pathways 1 – 4, except that the number of the core and elective courses is in continuation of the number of courses in the two categories completed at the end of semester 6.

* The course code of the same course as used for the pathways 1 – 4

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CREDIT DISTRIBUTION FOR BATCH A1(B2)
IN PATHWAY 5: DOUBLE MAJOR

Semester	Major Courses in Economics with Foreign Trade	General Foundation Courses in Economics with Foreign Trade	Internship/ Project in Economics with Foreign Trade	Major Courses in B	General Foundation Courses in B	AEC	Total
1	4 + 4	3	-	4	-	3 + 3	21
2	4	3	-	4 + 4	-	3 + 3	21
3	4 + 4	3	-	4 + 4	3	-	22
4	4 + 4	3 + 3	-	4	3	-	21
5	4 + 4 + 4	-	-	4 + 4	3	-	23
6	4 + 4	3	2	4 + 4 + 4	-	-	25
Total for Three Years	**48**	**18**	**2**	**44**	**9**	**12**	**133**
	68			**53**		**12**	**133**

	Major Courses in Economics with Foreign Trade	Minor Courses					
7	4 + 4 + 4 + 4 + 4	-			-	-	20
8	4 + 4 + 4	4 + 4 + 4	12*		-	-	24
* Instead of three Major courses							
Total for Four Years	**88 + 12 = 100**	**12**					**177**

COURSE STRUCTURE FOR BATCH B1(A2)
IN PATHWAY 5: DOUBLE MAJOR

A1: 68 credits in Economics with Foreign Trade(Major A)

B1: 68 credits in Major B

A2: 53 credits in Economics with Foreign Trade (Major A)

B2: 53 credits in Major B

The combinations available to the students: (A1 & B2), (B1 & A2)

Note: Unless the batch is specified, the course is for all the students of the class

Semester	Course Code	Course Title	Total Hours	Hours/ Week	Credits	Marks		
						Internal	External	Total
1	ECO1CJ 101 / ECO1MN 100	Core Course 1 in Major Economics with Foreign Trade – Principles of Economics	75	5	4	30	70	100
	BBB1CJ 101	Core Course 1 in Major B –	60/ 75	4/ 5	4	30	70	100
	BBB1CJ 102 / BBB2CJ 102	Core Course 2 in Major B – (for batch B1 only)	60/ 75	4/ 5	4	30	70	100
	ENG1FA 101(1B)	Ability Enhancement Course 1 – English	60	4	3	25	50	75
		Ability Enhancement Course 2 – Additional Language	45	3	3	25	50	75
	BBB1FM 105	Multi-Disciplinary Course 1 in B – (for batch B1 only)	45	3	3	25	50	75
		Total		**23/25**	**21**			**525**
2	ECO2CJ 101 / ECO3CJ 201*	Core Course 2 in Major Economics with Foreign Trade – Analytical Tools for Economics – I	60	4	4	30	70	100
	BBB2CJ 101	Core Course 3 in Major B –	60/ 75	4/ 5	4	30	70	100
	ECO2CJ 102 / ECO2MN 100	Core Course 3 in Major Economics with Foreign Trade – Budget Analysis (for batch A2 only)	75	5	4	30	70	100

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	ENG2FA 103(1B)	Ability Enhancement Course 3 – English	60	4	3	25	50	75
		Ability Enhancement Course 4 – Additional Language	45	3	3	25	50	75
	ECO2FM 106	Multi-Disciplinary Course 1 in Economics with Foreign Trade – Digital Economy	45	3	3	25	50	75
		Total		**23/ 24**	**21**			**525**
3	ECO3CJ 202 / ECO3MN200	Core Course 4 in Major Economics with Foreign Trade – Evolution of Economic Theories	60	4	4	30	70	100
	ECO3CJ 203 / ECO4CJ 203*	Core Course 5 in Major Economics with Foreign Trade – Intermediate Microeconomics	60	4	4	30	70	100
	BBB3CJ 201	Core Course 4 in Major B	60/ 75	4/ 5	4	30	70	100
	BBB3CJ 202	Core Course 5 in Major B	60/ 75	4/ 5	4	30	70	100
	BBB3FM 106 / BBB2FM 106	Multi-Disciplinary Course 2 in B –	45	3	3	25	50	75
	BBB3FV 108	Value-Added Course 1 in B – (for batch B1 only)	45	3	3	25	50	75
		Total		**22/24**	**22**			**550**
4	ECO4CJ 204	Core Course 6 in Major Economics with Foreign Trade – Intermediate Macroeconomics	60	4	4	30	70	100
		Core Course 6 in Major B	60/ 75	4/ 5	4	30	70	100
		Core Course 7 in Major B – (for batch B1 only)	60/ 75	4/ 5	4	30	70	100

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	ECO4FV 110	Value-Added Course 1 in Economics with Foreign Trade – Digital Marketing and E-Commerce Strategies	45	3	3	25	50	75
	BBB4FV 110	Value-Added Course 2 in B –	45	3	3	25	50	75
	ECO4FS 112 / ECO5FS 112*	Skill Enhancement Course 1 in Economics with Foreign Trade – Big Data Analysis in Economics	45	3	3	25	50	75
		Total		**21/23**	**21**			**525**
5	EFT5CJ 302	Core Course 7 in Major Economics with Foreign Trade – Foreign Trade Documentation and Logistics	60	4	4	30	70	100
		Core Course 8 in Major B –	60/ 75	4/ 5	4	30	70	100
		Core Course 9 in Major B – (for batch B1 only)	60	4	4	30	70	100
		Elective Course 1 in Major Economics with Foreign Trade	60	4	4	30	70	100
		Elective Course 1 in Major B	60	4	4	30	70	100
	BBB5FS 112 / BBB4FS 112	Skill Enhancement Course 1 in B	45	3	3	25	50	75
		Total		**23/ 24**	**23**			**575**
6	EFT6CJ 304 / EFT8MN304	Core Course 8 in Major Economics with Foreign Trade – Economics of Shipping and Insurance Practices	60	4	4	30	70	100
		Core Course 10 in Major B –	60/ 75	4/ 5	4	30	70	100

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Code	Title						
EFT6CJ 305 / EFT8M N305	Core Course 9 in Major Economics with Foreign Trade – Foreign Trade Financing and Procedure (for batch A2 only)	75	5	4	30	70	100
	Elective Course 2 in Major Economics with Foreign Trade	60	4	4	30	70	100
	Elective Course 2 in Major B	60	4	4	30	70	100
BBB6F S 113	Skill Enhancement Course 2 in B – (for batch B1 only)	45	3	3	25	50	75
BBB6CJ 349	Internship in Major B (Credit for internship to be awarded only at the end of Semester 6)	60		2	50	-	50
	Total		**24/ 25**	**25**			**625**
	Total Credits for Three Years			**133**			**3325**

To continue to study Economics with Foreign Trade in semesters 7 and 8, batch B1(A2) needs to earn additional 15 credits in Economics with Foreign Trade to make the total credits of 68. Suppose this condition is achieved, and the student of batch B1(A2) proceeds to the next semesters to study Economics with Foreign Trade. The course structure in semesters 7 and 8 is the same as for pathways 1 – 4, except that the number of the core and elective courses is in continuation of the number of courses in the two categories completed at the end of semester 6, taking into account the number of courses in Economics with Foreign Trade taken online to earn the additional 15 credits.

* The course code of the same course as used for the pathways 1 – 4

CREDIT DISTRIBUTION FOR BATCH B1(A2)
IN PATHWAY 5: DOUBLE MAJOR

Semester	Major Courses in B	General Foundation Courses in B	Internship/ Project in B	Major Courses in Economics with Foreign Trade	General Foundation Courses in Economics with Foreign Trade	AEC	Total
1	4 + 4	3	-	4	-	3 + 3	21
2	4	-	-	4 + 4	3	3 + 3	21
3	4 + 4	3 + 3	-	4 + 4	-	-	22
4	4 + 4	3	-	4	3 + 3	-	21
5	4 + 4 + 4	3	-	4 + 4	-	-	23

6	4 + 4	3	2	4 + 4 + 4	-	-	25
Total for Three Years	**48**	**18**	**2**	**44**	**9**	**12**	**133**
	68			**53**		**12**	**133**
	Major Courses in B	Minor Courses					
7	4 + 4 + 4 + 4 + 4	-			-	-	20
8	4 + 4 + 4	4 + 4 + 4	12*		-	-	24
	* Instead of three Major courses						
Total for Four Years	**88 + 12 = 100**	**12**					**177**

EVALUATION SCHEME

1. The evaluation scheme for each course contains two parts: internal evaluation (about 30%) and external evaluation (about 70%). Each of the Major and Minor courses is of 4-credits. It is evaluated for 100 marks, out of which 30 marks is from internal evaluation and 70 marks, from external evaluation. Each of the General Foundation course is of 3-credits. It is evaluated for 75 marks, out of which 25 marks is from internal evaluation and 50 marks, from external evaluation.

2. The 4-credit courses (Major and Minor courses) are of two types: (i) courses with only theory and (ii) courses with 3-credit theory and 1-credit practical.

   - In 4-credit courses with only theory component, out of the total 5 modules of the syllabus, one open-ended module with 20% content is designed by the faculty member teaching that course, and it is internally evaluated for 10 marks. The internal evaluation of the remaining 4 theory modules is for 20 marks.

   - In 4-credit courses with 3-credit theory and 1-credit practical components, out of the total 5 modules of the syllabus, 4 modules are for theory and the fifth module is for practical. The practical component is internally evaluated for 20 marks. The internal evaluation of the 4 theory modules is for 10 marks.

3. All the 3-credit courses (General Foundational Courses) in Economics with Foreign Trade are with only theory component. Out of the total 5 modules of the syllabus, one open-ended module

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with 20% content is designed by the faculty member teaching that course, and it is internally evaluated for 5 marks. The internal evaluation of the remaining 4 theory modules is for 20 marks.

4. The students can write the external examination in Economics either completely in English or in Malayalam.

Sl. No.	Nature of the Course		Internal Evaluation in Marks (about 30% of the total)		External Exam on 4 modules (Marks)	Total Marks
			Open-ended module / Practical	On the other 4 modules		
1	4-credit course	only theory (5 modules)	10	20	70	100
2	4-credit course	Theory (4 modules) + Practical	20	10	70	100
3	3-credit course	only theory (5 modules)	5	20	50	75

1. MAJOR AND MINOR COURSES

1.1. INTERNAL EVALUATION OF THEORY COMPONENT

Sl. No.	Components of Internal Evaluation of Theory Part of a Major / Minor Course	Internal Marks for the Theory Part of a Major / Minor Course of 4-credits			
		Theory Only		Theory + Practical	
		4 Theory Modules	Open-ended Module	4 Theory Modules	Practical
1	Test paper/ Mid-semester Exam	10	4	5	-
2	Seminar/ Viva/ Quiz	6	4	3	-
3	Assignment	4	2	2	-
		20	10	10	20*
	Total	30		30	

* Refer the table in section 1.2 for the evaluation of practical component

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1.2. EVALUATION OF PRACTICAL COMPONENT

The evaluation of practical component in Major and Minor courses is completely by internal evaluation.

- Continuous evaluation of practical by the teacher-in-charge shall carry a weightage of 50%.

- The end-semester practical examination and viva-voce, and the evaluation of practical records shall be conducted by the teacher in-charge and an internal examiner appointed by the Department Council.

- The process of continuous evaluation of practical courses shall be completed before 10 days from the commencement of the end-semester examination.

- Those who passed in continuous evaluation alone will be permitted to appear for the end-semester examination and viva-voce.

The scheme of continuous evaluation and the end-semester examination and viva-voce of practical component shall be as given below:

Sl. No.	Evaluation of Practical Component of Credit-1 in a Major / Minor Course	Marks for Practical	Weightage
1	Continuous evaluation of practical/ exercise performed in practical classes by the students	10	50%
2	End-semester examination and viva-voce to be conducted by teacher-in-charge along with an additional examiner arranged internally by the Department Council	7	35%
3	Evaluation of the Practical records submitted for the end semester viva–voce examination by the teacher-in-charge and additional examiner	3	15%
	Total Marks	20	

1.3. EXTERNAL EVALUATION OF THEORY COMPONENT

External evaluation carries 70% marks. Examinations will be conducted at the end of each semester. Individual questions are evaluated in marks and the total marks are converted into grades by the University based on 10-point grading system (refer section 5).

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PATTERN OF QUESTION PAPER FOR MAJOR AND MINOR COURSES

Duration	Type	Total No. of Questions	No. of Questions to be Answered	Marks for Each Question	Ceiling of Marks
2 Hours	Short Answer	10	8 – 10	3	24
	Paragraph/ Problem	8	6 – 8	6	36
	Essay	2	1	10	10
				Total Marks	70

2. INTERNSHIP

- All students should undergo Internship of 2-credits during the first six semesters in a firm, industry or organization, or training in labs with faculty and researchers of their own institution or other Higher Educational Institutions (HEIs) or research institutions.

- Internship can be for enhancing the employability of the student or for developing the research aptitude.

- Internship can involve hands-on training on a particular skill/ equipment/ software. It can be a short project on a specific problem or area. Attending seminars or workshops related to an area of learning or skill can be a component of Internship.

- A faculty member/ scientist/ instructor of the respective institution, where the student does the Internship, should be the supervisor of the Internship.

2.1. GUIDELINES FOR INTERNSHIP

1. All students shall undergo Internship or Apprenticeship in a firm, industry or organization, or training in labs with faculty and researchers of their own institution or other Higher Educational Institutions (HEIs) or research institutions.

2. For an internship, one credit of Internship means two-hour engagement per week. Accordingly, in a semester of 15 weeks' duration, two credits in this course is equivalent to 60 hours of engagement.

3. The students involved in the internship may continue their internship subject to the condition that his/her academic credits do not get afEFTted in terms of attendance and other assignments. If the need arises, students may also have an opportunity to make use of summer & winter breaks for extending their learning from internships.

4. The internship aims to impart:

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- The students should have an understanding and ability to develop solutions for real-life problems.

- The students will be made aware of the research ethics, professional accountability, conduct and will be able to practice the research ethics and appropriate skills in his/her own research work.

- The student will be able to enhance academic productivity by developing writing and reading skills and can make contributions towards social and economic issues.

- The intern can possess an attitude and skill of adaptability and flexibility for new challenges at organisational and individual level with a mindset of teamwork and collaborations.

- To increase the likelihood of securing future employment and to explore and clarify carrier goals.

- To develop a strong work ethics, time management and professionalism in a professional environment.

5. Role of Internship Coordinator

- An internship coordinator is a teacher, who will be nominated by the Department Council (DC) for monitoring and supervising the student during the internship duration. This person will be nominated at the start of the academic year for each batch.

- Internship Supervisor from the host institute should monitor the regularity of the intern at his/her workplace. On the completion of internship, the student should submit the project report in the prescribed format along with internship completion certificate issued by Internship Supervisor/authority from host organisation. The project report shall be evaluated by faculty member delegated by the department council.

- Students can choose following organisations and mentor from HEIs/research organizations/registered industries/registered media organizations/ and companies/registered retail service providers/R&D labs and centres. They can also opt Cooperative Organisations/Banking and nonbanking organizations/Insurance companies/Stock Broking Companies/Microfinance Institutions/Other national and international reputed institutions/libraries in HEIs and registered under library council /NGOs/certified farmers/plantations/local self-governing bodies/ outside India experts working at the international level, Organisations under State Government/Central Government, elected representatives to the parliament/ state assembly. Students can also undertake an internship from national/international reputed institutions through online mode.

6. Guidelines for Internship Report

- The Internship certificate should be certified by the Head of the Institution. It should contain the Name of the Student, Name of the Internship course, Name of the Institute, Type of work done and duration of work (60 hrs).
- Internship Report should contain 3000-5000 words typed in Times New Roman, size 12, 1.5 space, on double sides and neatly soft bound. It should be submitted to the concerned Department before VI Semester university Exam Notification.
- The Internship Report should be in the following structure

    a) Title page- Title of the Internship, Name and Register Number of the Student, Year, Name of the institute and name of the college and department.

    b) Declaration

    c) Certificate signed by the Head of the Institution (Internship Institute)

    d) Index

    e) Content Page - Introduction

    Nature of the work

    Methodology

    Outcome of the work

    Limitations

    Suggestions

2.2. EVALUATION OF INTERNSHIP

- The evaluation of Internship shall be done internally through continuous assessment mode by a committee internally constituted by the Department Council of the college where the student has enrolled for the UG Honours programme.
- The credits and marks for the Internship will be awarded only at the end of semester 6.
- The scheme of continuous evaluation and the end-semester viva-voce examination based on the submitted report shall be as given below:

Sl. No.	Components of Evaluation of Internship	Marks for Internship 2 Credits	Weightage

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#				
1	Continuous evaluation of internship through interim presentations and reports by the committee internally constituted by the Department Council	Acquisition of skill set	10	40%
2		Interim Presentation and Viva-voce	5	
3		Punctuality	5	
4	Report of Institute Visit/ Study Tour		5	10%
5	End-semester viva-voce examination to be conducted by the committee internally constituted by the Department Council	Quality of the work	6	35%
6		Presentation of the work	5	
7		Viva-voce	6	
8	Evaluation of the day-to-day records, the report of internship supervisor, and final report submitted for the end semester viva–voce examination before the committee internally constituted by the Department Council		8	15%
	Total Marks		50	

3. PROJECT

3.1. PROJECT IN HONOURS PROGRAMME

- In Honours programme, the student has the option to do a Project of 12-credits instead of three Core Courses in Major in semester 8.
- The Project can be done in the same institution/ any other higher educational institution (HEI)/ research centre/ training centre.
- The Project in Honours programme can be a short research work or an extended internship or a skill-based training programme.
- A faculty member of the respective institution, where the student does the Project, should be the supervisor of the Project.

3.2. PROJECT IN HONOURS WITH RESEARCH PROGRAMME

- Students who secure 75% marks and above (equivalently, CGPA 7.5 and above) cumulatively in the first six semesters are eligible to get selected to Honours with Research stream in the fourth year.

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- A relaxation of 5% in marks (equivalently, a relaxation of 0.5 grade in CGPA) is allowed for those belonging to SC/ ST/ OBC (non-creamy layer)/ Differently-Abled/ Economically Weaker Section (EWS)/ other categories of candidates as per the decision of the UGC from time to time.

- In Honours with Research programme, the student has to do a mandatory Research Project of 12-credits instead of three Core Courses in Major in semester 8.

- The approved research centres of University of Calicut or any other university/ HEI can offer the Honours with Research programme. The departments in the affiliated colleges under University of Calicut, which are not the approved research centres of the University, should get prior approval from the University to offer the Honours with Research programme. Such departments should have minimum two faculty members with Ph.D., and they should also have the necessary infrastructure to offer Honours with Research programme.

- A faculty member of the University/ College with a Ph.D. degree can supervise the research project of the students who have enrolled for Honours with Research. One such faculty member can supervise maximum five students in Honours with Research stream.

- The maximum intake of the department for Honours with Research programme is fixed by the department based on the number of faculty members eligible for project supervision, and other academic, research, and infrastructural facilities available.

- If a greater number of eligible students are opting for the Honours with Research programme than the number of available seats, then the allotment shall be based on the existing rules of reservations and merits.

3.3. GUIDELINES FOR THE PROJECT IN HONOURS PROGRAMME AND HONOURS WITH RESEARCH PROGRAMME

1. Project can be done in topics related to Economics.
2. Project should be done individually.
3. Project work can be of experimental/ theoretical/ analytical in nature.
4. There should be minimum 240 hrs. of engagement from the student in the Project work in Honours programme.
5. There should be minimum 13 hrs./week of engagement (the hours corresponding to the three core courses in Major in semester 8) from the teacher in the guidance of the Project(s) in Honours programme and Honours with Research programme.
6. The various steps in project works are the following:
   - Wide review of a topic.
   - Investigation on a problem in systematic way using appropriate techniques.

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- ➢ Systematic recording of the work.
- ➢ Reporting the results with interpretation in a standard documented form.
- ➢ Presenting the results before the examiners.

7. A hard copy of the report should be kept for reference at the department. A soft copy of the report should be submitted in pdf format for external evaluation well in advance.

8. It is desirable, but not mandatory, to publish the results of the Project in a peer reviewed journal.

9. The project report shall have declaration from the student and certificate from the research supervisor for originality of the work, stating that the work has not been submitted for the award of any other degree/ diploma in the same institution or any other institution.

10. Plagiarism check report has to be incorporated in the project report after the declaration of the student.

11. The project proposal, institution at which the project is being carried out, and the project supervisor should be prior-approved by the Department Council of the college where the student has enrolled for the UG Honours programme.

12. Structure of the Project

- ➢ Cover Page and Front Page
  - a. Title of the project
  - b. Degree for which project is submitted.
  - c. Name of the Candidate & University Register Number
  - d. Name of the College
  - e. Month and year of the project report submission
- ➢ Contents
  - a. Declaration by the student
  - b. Plagiarism check certificate
  - c. Certificate of the supervising teacher countersigned by the head of the department.
  - d. Acknowledgement.
  - e. Table of Contents
  - f. List of Tables
  - g. List of Figures
  - h. Introductory Chapter
  - i. Analysis Chapters
  - j. Concluding Chapter
  - k. Bibliography
  - l. Appendix

- ➤ Contents of the Introductory Chapter

    1. Introduction

    2. Review of literature

    3. Research Gap

    4. Statement of the problem

    5. Significance of the study

    6. Scope of the study

    7. Statement of objectives

    8. Hypotheses (optional)

    9. Methodology

        - a. Data sources

        - b. Tools of analysis (quantitative and qualitative)

        - c. Conceptual Framework-Optional (specification of terms and concepts)

    10. Limitations of the study

    11. Chapter outlines.

- ➤ Style of Report

    1. Report Length: 50 to 70 pages excluding Appendix and Certificates

    2. Alignment: Justify

    3. Font: Times New Roman

    4. Font size: 12

    5. Line spacing: 1.5

    6. Bibliography: APA style

3.4. EVALUATION OF PROJECT

- The evaluation of Project will be conducted at the end of the eighth semester by both internal and external modes.

- The Project in Honours programme as well as that in Honours with Research programme will be evaluated for 300 marks. Out of this, 90 marks is from internal evaluation and 210 marks, from external evaluation.

- The internal evaluation of the Project work shall be done through continuous assessment mode by a committee internally constituted by the Department Council of the college where the student has enrolled for the UG Honours programme. 30% of the weightage shall be given through this mode.

- The remaining 70% shall be awarded by the external examiner appointed by the University.

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- The scheme of continuous evaluation and the end-semester viva-voce of the Project shall be as given below:

Components of Evaluation of Project	Marks for the Project (Honours/ Honours with Research)	Weightage
Continuous evaluation of project work through interim presentations and reports by the committee internally constituted by the Department Council	90	30%
End-semester viva-voce examination to be conducted by the external examiner appointed by the university	150	50%
Evaluation of the day-to-day records and project report submitted for the end-semester viva–voce examination conducted by the external examiner	60	20%
Total Marks	300	

INTERNAL EVALUATION OF PROJECT

Sl. No	Components of Evaluation of Project	Marks for the Project (Honours/ Honours with Research)
1	Skill in doing project work	30
2	Interim Presentation and Viva-Voce	20
3	Punctuality and Log book	20
4	Scheme/ Organization of Project Report	20
	Total Marks	90

EXTERNAL EVALUATION OF PROJECT

Sl. No	Components of Evaluation of Project	Marks for the Project (Honours/ Honours with Research) 12 credits
1	Content and relevance of the Project, Methodology, Quality of analysis, and Innovations of Research	50
2	Presentation of the Project	50
3	Project Report (typed copy), Log Book and References	60
4	Viva-Voce	50

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	Total Marks	210

4. GENERAL FOUNDATION COURSES

● All the General Foundation Courses (3-credits) in Economics with Foreign Trade are with only theory component.

4.1. INTERNAL EVALUATION

Sl. No.	Components of Internal Evaluation of a General Foundation Course in Economics with Foreign Trade	Internal Marks of a General Foundation Course of 3-credits in Economics with Foreign Trade	
		4 Theory Modules	Open-ended Module
1	Test paper/ Mid-semester Exam	10	2
2	Seminar/ Viva/ Quiz	6	2
3	Assignment	4	1
		20	5
	Total	25	

4.2. EXTERNAL EVALUATION

External evaluation carries about 70% marks. Examinations will be conducted at the end of each semester. Individual questions are evaluated in marks and the total marks are converted into grades by the University based on 10-point grading system (refer section 5).

PATTERN OF QUESTION PAPER FOR GENERAL FOUNDATION COURSES

Duration	Type	Total No. of Questions	No. of Questions to be Answered	Marks for Each Question	Ceiling of Marks
1.5 Hours	Short Answer	10	8 – 10	2	16
	Paragraph/ Problem	5	4 – 5	6	24
	Essay	2	1	10	10
				Total Marks	50

5. LETTER GRADES AND GRADE POINTS

● Mark system is followed for evaluating each question.

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- For each course in the semester letter grade and grade point are introduced in 10-point indirect grading system as per guidelines given below.

- The Semester Grade Point Average (SGPA) is computed from the grades as a measure of the student's performance in a given semester.

- The Cumulative GPA (CGPA) is based on the grades in all courses taken after joining the programme of study.

- Only the weighted grade point based on marks obtained shall be displayed on the grade card issued to the students.

LETTER GRADES AND GRADE POINTS

Sl. No.	Percentage of Marks (Internal & External Put Together)	Description	Letter Grade	Grade Point	Range of Grade Points	Class
1	95% and above	Outstanding	O	10	9.50 – 10	First Class with Distinction
2	Above 85% and below 95%	Excellent	A+	9	8.50 – 9.49	
3	75% to below 85%	Very Good	A	8	7.50 – 8.49	
4	65% to below 75%	Good	B+	7	6.50 – 7.49	First Class
5	55% to below 65%	Above Average	B	6	5.50 – 6.49	
6	45% to below 55%	Average	C	5	4.50 – 5.49	Second Class
7	35% to below 45% aggregate (internal and external put together) with a minimum of 30% in external valuation	Pass	P	4	3.50 – 4.49	Third Class
8	Below an aggregate of 35% or below 30% in external evaluation	Fail	F	0	0 – 3.49	Fail
9	Not attending the examination	Absent	Ab	0	0	Fail

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- When students take audit courses, they will be given Pass (P) or Fail (F) grade without any credits.

- The successful completion of all the courses and capstone components prescribed for the three-year or four-year programme with 'P' grade shall be the minimum requirement for the award of UG Degree or UG Degree Honours or UG Degree Honours with Research, as the case may be.

5.1. COMPUTATION OF SGPA AND CGPA

- The following method shall be used to compute the Semester Grade Point Average (SGPA): The SGPA equals the product of the number of credits (C_i) with the grade points (G_i) scored by a student in each course in a semester, summed over all the courses taken by a student in the semester, and then divided by the total number of credits of all the courses taken by the student in the semester,

$$\text{i.e. SGPA } (S_i) = \Sigma_i\,(C_i \times G_i) \,/\, \Sigma_i\,(C_i)$$

where C_i is the number of credits of the ith course and G_i is the grade point scored by the student in the ith course in the given semester. Credit Point of a course is the value obtained by multiplying the credit (C_i) of the course by the grade point (G_i) of the course.

$$SGPA = \frac{Sum\ of\ the\ credit\ points\ of\ all\ the\ courses\ in\ a\ semester}{Total\ credits\ in\ that\ semester}$$

ILLUSTRATION – COMPUTATION OF SGPA

Semester	Course	Credit	Letter Grade	Grade point	Credit Point (Credit x Grade)
I	Course 1	3	A	8	3 x 8 = 24
I	Course 2	4	B+	7	4 x 7 = 28
I	Course 3	3	B	6	3 x 6 = 18
I	Course 4	3	O	10	3 x 10 = 30
I	Course 5	3	C	5	3 x 5 = 15
I	Course 6	4	B	6	4 x 6 = 24
	Total	20			139
	SGPA				139/20 = 6.950

- The Cumulative Grade Point Average (CGPA) of the student shall be calculated at the end of a programme. The CGPA of a student determines the overall academic level of the student in a programme and is the criterion for ranking the students.

  CGPA for the three-year programme in CUFYUGP shall be calculated by the following formula.

$$CGPA = \frac{Sum\ of\ the\ credit\ points\ of\ all\ the\ courses\ in\ six\ semesters}{Total\ credits\ in\ six\ semesters}\ (133)$$

  CGPA for the four-year programme in CUFYUGP shall be calculated by the following formula.

$$CGPA = \frac{Sum\ of\ the\ credit\ points\ of\ all\ the\ courses\ in\ eight\ semesters}{Total\ credits\ in\ eight\ semesters}\ (177)$$

- The SGPA and CGPA shall be rounded off to three decimal points and reported in the transcripts.

- Based on the above letter grades, grade points, SGPA and CGPA, the University shall issue the transcript for each semester and a consolidated transcript indicating the performance in all semesters.

Major Courses in Economics with Foreign Trade

Programme	B.A. Economics with Foreign Trade Honours				
Course Title	**PRINCIPLES OF ECONOMICS**				
Type of Course	**Major**				
Semester	I				
Academic Level	100 - 199				
Course Details	Credit	Lecture per week	Tutorial per week	Practical per week	Total Hours
	4	3	-	2	75
Pre-requisites	Basic Economics Course of 0 – 99 level .				
Course Summary	This course explores important principles, basic theories and models, various economic systems and other fundamental aspects of economics.				

COURSE OUTCOMES (CO):

CO	CO Statement	Cognitive Level*	Knowledge Category#	Evaluation Tools used
CO1	Understand the basic principles of economics and its real-world applications.	U	C	Instructor-created exams / Quiz
CO2	Develop and practice the skill of thinking like an economist.	Ap	P	Practical Assignment / Observation of Practical Skills
CO3	Help the beginning student master the principles essential for understanding the economizing problem, specific economic issues, and policy alternatives.	U	P	Seminar Presentation / Group Discussion
CO4	Understand and apply the economic perspective and reason accurately and objectively about economic matters.	Ap	C	Instructor-created exams / Home Assignments
CO5	Instil in students a fascination with both the functioning of the economy and the power and breadth of economics	U	F	Writing assignments
CO6	Demonstrate critical thinking and problem-solving skills by applying the acquired knowledge to address complex economic challenges in the contemporary world.	Ap	P	Viva Voce
* - Remember (R), Understand (U), Apply (Ap), Analyse (An), Evaluate (E), Create (C) # - Factual Knowledge(F) Conceptual Knowledge (C) Procedural Knowledge (P) Metacognitive Knowledge (M)				

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Module	Unit	Content	Hrs	Marks
		Basic Principles of Economics	**10**	
		How People Make Decisions		
	1	People Face Trade-Offs	1	
	2	The Cost of Something Is What You Give	1	
	3	Rational People Think at the Margin	1	
	4	People Respond to Incentives	1	
		How People Interact		
	5	Trade Can Make Everyone Better Off	1	
I	6	Markets Are Usually a Good Way to Organize Economic Activity	1	**15**
	7	Governments Can Sometimes Improve Market Outcomes	1	
		How the Economy as a Whole Works		
	8	A Country's Standard of Living Depends on its Ability to Produce Goods and Services	1	
	9	Prices Rise When the Government Prints Too Much Money	1	
	10	Society Faces a Short-Run Trade-Off between Inflation and Unemployment	1	
		Thinking like an Economist	**10**	
	11	**The Economist as Scientist**: The Scientific Method: Observation, Theory, and More Observation, The Role of Assumptions, Economic Models, The Circular-Flow Diagram, The Production Possibilities Frontier, Microeconomics and Macroeconomics;	4	
II	12	**The Economist as Policy Adviser**: Positive versus Normative Analysis, Why Economists' Advice Is Not Always Followed;	3	**15**
	13	**Why Economists Disagree:** Differences in Scientific Judgments, Differences in Values, Perception versus Reality	3	
		Limits, Alternatives, and Choices	**10**	
	14	**The Economic Perspective**: Scarcity and Choice, Purposeful Behaviour, Marginal Analysis: Comparing Benefits and Costs	3	
III	15	**Individual's Economizing Problem**	2	**15**
	16	**Society's Economizing Problem**	2	
	17	**Unemployment, Growth, and the Future**: A Growing Economy, Present Choices and Future Possibilities, A Qualification: International Trade	3	
		The Market System	**15**	
	18	**Economic Systems**: Laissez-Faire Capitalism, The Command System, The Market System	2	
IV	19	**Characteristics of the Market System**: Private Property, Freedom of Enterprise and Choice, Self-Interest, Competition, Markets and Prices, Technology and Capital Goods, Specialization, Use of Money, Active but Limited Government	2	**25**

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	20	**Five Fundamental Questions**: What Will Be Produced? How Will the Goods and Services Be Produced? Who Will Get the Output? How Will the System Accommodate Change? How Will the System Promote Progress?	4	
	21	**The "Invisible Hand"**: The Demise of the Command Systems, The Incentive Problem	3	
	22	**How the Market System Deals with Risk**: The Profit System, Shielding Employees and Suppliers from Business Risk, Benefits of Restricting Business Risk to Owners	4	
V		**Open Ended Module**	**30**	
		Discussion based on different economic systems prevailing in the world		
		Practical Assignments on economic decision making in different economies in the world		
		Seminar on the influence of institutions, regional cooperations, blocks and international cartels on economic policies		

Note: The syllabus has five modules. There should be total 22 units in the first four modules together, composed of the theory topics. The number of units in the last module can vary. There are 45 instructional hours for the first four modules and 30 hrs for the final one. Module V is designed to equip students with practical skills. The 20 marks for the evaluation of practical will be based on Module V. Internal assessments (30 marks) are split between the practical module (20 marks) and the first four modules (10 marks). The end-semester examination for the theory part will be based on the 22 units in the first four modules. The 70 marks shown in the last column, distributed over the first four modules, are only for the external examination.

REFERENCE:

1. Mankiw, N. G. (2021). *Principles of Economics,* 9TH EDITION*,* Cengage Learning. **(Module 1 and Module 2)**

2. Stiglitz, J. E., & Walsh, C. E. (2006). *Economics*. W. W. Norton. **(Module 2)**

3. McConnell, C. R., Brue, S. L., & Flynn, S. M. (2015). *Economics: Principles, Problems, and Policies*. TWENTIETH EDITION, McGraw-Hill Education. **(Module 3 and Module 4)**

ADDITIONAL READINGS

1. Team, C., & Press, O. U. (2017). The economy: Economics for a Changing World. Oxford University Press, USA.
2. Klein, G., & Bauman, Y. (2010). The cartoon Introduction to economics: Volume One: Microeconomics. Macmillan.
3. Sowell, T. (2015). Basic Economics: A Common Sense Guide to the Economy, FIFTH EDITION, Basic Books, New York.
4. Wheelan, C. (2010). Naked Economics: Undressing the Dismal Science (Fully Revised and Updated). W. W. Norton & Company.

MAPPING OF COs WITH PSOs:

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9
CO 1	3	-	-	-	-	-	-	3	-
CO 2	-	2	2	-	-	-	3	2	-
CO 3	-	3	2	-	1	-	1	1	-
CO 4	-	3	-	-	-	-	-	2	-
CO 5	-	-	-	-	-	-	2	3	-
CO 6	-	3	2	-	-	-	2	2	-

CORRELATION LEVELS:

Level	Correlation
-	Nil
1	Slightly / Low
2	Moderate / Medium
3	Substantial / High

ASSESSMENT RUBRICS:

- Quiz / Assignment/ Viva Voce/ Discussion / Seminar
- Internal Exam
- Practical Assignments (20%)
- Final Exam (70%)

MAPPING OF COs TO ASSESSMENT RUBRICS:

	Internal Exam	Quiz / Assignment/ Viva Voce/ Discussion / Seminar	Practical Assignment	End Semester Examination
CO 1	✓	✓		✓
CO 2	✓		✓	✓
CO 3	✓	✓		✓
CO 4	✓	✓		✓
CO 5		✓	✓	
CO 6			✓	

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Programme	B.A. Economics with Foreign Trade Honours				
Course Title	**BUDGET ANALYSIS**				
Type of Course	**Major**				
Semester	II				
Academic Level	100 - 199				
Course Details	Credit	Lecture per week	Tutorial per week	Practical per week	Total Hours
	4	3	-	2	75
Pre-requisites	Basic Economics Course of 0 – 99 level				
Course Summary	This course explores important concepts, documents and other fundamental aspects of budget process with reference to Central Budget in India.				

COURSE OUTCOMES (CO):

CO	CO Statement	Cognitive Level*	Knowledge Category#	Evaluation Tools used
CO1	Understand the basic concepts and documents of budgeting.	U	C	Instructor-created exams / Quiz
CO2	Develop and practice the skill of interpretation of budget.	Ap	P	Practical Assignment / Observation of Practical Skills
CO3	Understand the roles and responsibilities of various stakeholders in the budget process.	U	P	Seminar Presentation / Group Discussion
CO4	Appreciate the insights of public finance in the real world	Ap	C	Instructor-created exams / Home Assignments
CO5	Develop critical thinking about policy issues by emphasizing the links between economic analysis and current political issues.	Ap	P	Viva Voce
* - Remember (R), Understand (U), Apply (Ap), Analyse (An), Evaluate (E), Create (C)				
# - Factual Knowledge(F) Conceptual Knowledge (C) Procedural Knowledge (P) Metacognitive Knowledge (M)				

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Module	Unit	Content	Hrs	Marks
I		**Introduction to the Budget**	**10**	**15**
	1	**Budget:** Definition, Budget in India	1	
	2	**Features of Budget:** Budget is prepared on Cash Basis, Rule of Lapse, Realistic Estimation, Budget to be on Gross/Net Basis, Form of Estimates to correspond to Accounts, Estimates to be on Departmental Basis	3	
	3	**Scope of Budget:** Budget Estimates, Revised Estimates, Actuals of the year preceding the current year, Consolidated Fund of India, Contingency Fund of India and the Public Account, Revenue account and Capital account	3	
	4	**Budget documents:** Annual Financial Statement (AFS), Demands for Grants (DG), Finance Bill, Statements mandated under FRBM Act, Expenditure Budget, Receipt Budget, Expenditure Profile	3	
II		**Roles and Responsibilities**	**10**	**15**
	5	**Role of Legislature:** Role of Parliament, President's Approval, Summary for The President, Summary for The Cabinet	2	
	6	**Budget Presentation and Bills:** Budget Presentation, General Discussions, Cut-Motions, Guillotine, Appropriation Bill, Finance Bill, Vote on Account	2	
	7	**Role of Executive:** Role of The Executive in The Budget Process, Role of Ministry of Finance, Role of Budget Division, Department of Expenditure, Administrative Ministries, Financial Advisers	2	
	8	**Role of Constitutional Authorities:** Controller General of Accounts, Niti Aayog, Finance Commission, Reserve Bank of India, Comptroller and Auditor General of India	2	
	9	**Parliamentary Control:** Estimates Committee, Department Related Standing Committees, Public Accounts Committee	2	
III		**Budget Process**	**10**	**15**
	10	**Budget Circular**	1	
	11	**Estimates of Receipts:** Revenue Receipts, Estimates of Capital Receipts	1	
	12	**Estimates of Expenditure:** General Guidelines for Preparation of Estimates of Expenditure, Information for Pre-Budget Discussions, Pre-Budget Discussions & Finalization of Provisional Estimates	2	
	13	**Provisions for North Eastern Region and Sikkim**	1	
	14	**Special Instructions for the Composite Demand for Civil 'Pensions':** Arrangements for submission of estimates, Compassionate Fund, Central Government Employees' Insurance Scheme	1	
	15	**Estimates to be included in Demands for Grants Controlled by Budget Division**	1	
	16	**Instructions related to allocation for SC/ ST sub-component**	1	

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	17	**Disclosures under FRBM Act:** Guarantees given by the Government, Tax Revenues raised but not realized, Arrears of Non -Tax Revenues, Asset Register	2	
IV		**Budget Finalization**	**15**	**25**
	18	**Budget Activities**	1	
	19	**Timelines for Budget Activities**	2	
	20	**Scrutiny of Statement of Budget Estimates (SBE):** Centre's Expenditure, Centrally Sponsored Schemes and other Transfers, Expenditure Type (voted expenditure, charged expenditure, recovery, receipt)	5	
	21	**Outcome Budget / Output-Outcome Monitoring Framework (OOMF)**	2	
	22	**Budget in Parliament:** Lok Sabha, Rajya Sabha	5	
V		**Open Ended Module**	**30**	
		Analyze the budget allocations for specific sectors (e.g., education, healthcare, infrastructure) over time. Look for trends and changes.		
		Consider how the government's commitment to addressing various issues is reflected in budget allocations		
		Discuss the impact of budget decisions on different groups, regions, and sectors		
		Research the concept of outcome budgeting, which emphasizes efficient resource utilization and fiscal discipline		
		Discuss pressures affecting public sector budgeting, including the quantity of money available and how it's allocated		

Note: The syllabus has five modules. There should be total 22 units in the first four modules together, composed of the theory topics. The number of units in the last module can vary. There are 45 instructional hours for the first four modules and 30 hrs for the final one. Module V is designed to equip students with practical skills. The 20 marks for the evaluation of practical will be based on Module V. Internal assessments (30 marks) are split between the practical module (20 marks) and the first four modules (10 marks). The end-semester examination for the theory part will be based on the 22 units in the first four modules. The 70 marks shown in the last column, distributed over the first four modules, are only for the external examination.

REFERENCE:

1. Budget Manual 2022, Ministry of Finance, Government of India **(All modules)**

ADDITIONAL READINGS

1. Shim, J. K., & Siegel, J. G. (2008). *Budgeting basics and beyond*. Wiley.
2. Burtt, E. S., Fleming, P. H., Clark, M. B., & Valuation, L. C. O. D. O. F. M. a. R. (1988). *Financial Budget Manual*.

Mapping of COs with PSOs:

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9
CO 1	3	-	-	-	-	-	-	-	-
CO 2	-	-	2	-	-	-	3	1	-
CO 3	-	-	-	-	-	-	-	3	-
CO 4	-	-	-	-	-	-	3	3	-
CO 5	-	2	-	-	2	-	3	3	-

Correlation Levels:

Level	Correlation
-	Nil
1	Slightly / Low
2	Moderate / Medium
3	Substantial / High

Assessment Rubrics:

- Quiz / Assignment/ Viva Voce/ Discussion / Seminar
- Internal Exam
- Practical Assignments (20%)
- Final Exam (70%)

Mapping of COs to Assessment Rubrics:

	Internal Exam	Quiz / Assignment/ Viva Voce/ Discussion / Seminar	Practical Assignment	End Semester Examination
CO 1	✓	✓		✓
CO 2	✓		✓	✓
CO 3	✓	✓		✓
CO 4	✓	✓		✓
CO 5		✓	✓	

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Programme	B.A. Economics with Foreign Trade Honours				
Course Title	**ANALYTICAL TOOLS FOR ECONOMICS I**				
Type of Course	**Major**				
Semester	III				
Academic Level	200 - 299				
Course Details	Credit	Lecture per week	Tutorial per week	Practical per week	Total Hours
	4	4	-	-	60
Pre-requisites	Basic Economics Course of 0 – 99 level				·
Course Summary	Students shall acquire in-depth knowledge and able to explain the concepts of sets, functions, Differentiation, Integration and their applications in Economics.				

COURSE OUTCOMES (CO):

CO	CO Statement	Cognitive Level*	Knowledge Category#	Evaluation Tools used
CO1	To Understand the basic concept of set theory and functions	U	C	Instructor-created exams / Quiz
CO2	To Apply differentiation in solving economic problems	Ap	P	Practical Assignment / Observation of Practical Skills
CO3	To apply integration in solving economic problems	U	P	Seminar Presentation / Group Discussion
CO4	To analyse relationship between economic variables mathematically, analyze, optimize and interpret them	An	P	Instructor-created exams / Home Assignments
CO5	To equip the students to identify a problem, investigate to find out relevant facts and find a logical conclusion	Ap	F	Viva Voce/Project
* - Remember (R), Understand (U), Apply (Ap), Analyse (An), Evaluate (E), Create (C)				
# - Factual Knowledge(F) Conceptual Knowledge (C) Procedural Knowledge (P) Metacognitive Knowledge (M)				

Module	Unit	Content	Hrs	Marks
I		**Set theory and Functions**	**10**	**15**
	1	Set theory: concepts, set operations, relations, functions and their properties	4	
	2	Elementary types of functions – linear, quadratic, cubic, polynomial, exponential and logarithmic	3	
	3	Graphs of functions-linear and quadratic algebraic functions	1	
	4	Applications of functions in Economics	2	
II		**Differential Calculus**	**18**	**25**
	5	Limits and continuity of functions	2	
	6	Meaning of Derivative, Rules, Derivative of single variable and multi variable (except trigonometric function)	2	
	7	Derivatives of implicit functions and Inverse functions	2	
	8	Rate of change- Slope of a curve	2	
	9	Partial Differentiation	2	
	10	Marginal concepts related to Economic functions, Elasticity	2	
	11	Second order Derivatives	2	
	12	Conditions for Optimisation, Single and Multivariate Optimisation	2	
	13	Application in consumption and production decisions	2	
III		**Integral Calculus**	**10**	**15**
	14	Meaning of integral, The Definite Integral, Rules of Integration, Integration by substitution	3	
	15	Integration by parts	2	
	16	Area under a curve-estimation of producers and consumers surplus.	1	
	17	The First and Second Fundamental Theorems of Calculus	2	
	18	The Mean Value Theorem for integrals.	2	
IV		**Linear Models and Matrix**	**10**	**15**
	19	Matrix: Meaning, Types and operations	2	
	20	Linear Models and Matrix Algebra and their Applications in Economics	3	
	21	Rank of a Matrix- Solving linear equations using Matrix Inverse	2	
	22	Determinants, Properties of Determinants and Cramer's Rule and their applications	3	
V		**Open Ended Module**	**12**	
	1	Develop critical thinking and problem-solving skills by applying statistical methods in Economic theories		

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2	Discussion based on statistical tools	
3	Practical Assignments	
4	Seminar	

Note: The course is divided into five modules, with four modules together having total 22 fixed units and one open-ended module with a variable number of units. There are total 48 instructional hours for the fixed modules and 12 hours for the open-ended one. Internal assessments (30 marks) are split between the open-ended module (10 marks) and the fixed modules (20 marks). The final exam, however, covers only the 22 units from the fixed modules. The 70 marks shown in the last column, distributed over the first four modules, are only for the external examination.

REFERENCE:

1. Chiang, A and Wainwright, K. (2005). Fundamental methods of mathematical economics. Boston, Mass. McGraw- Hill/Irwin. EC (1262)-18.08.202219(**Module 1,2,3,4&5**)
2. Hoy, M., Livernois, J., McKenna, C., Rees, R., Stengos, T. (2001). Mathematics for Economics, Prentice-Hall India. (**Module 1,2,3,4&5**)
3. Sydsaeter and P. Hammond, Mathematics for Economic Analysis, Pearson Educational Asia: Delhi, 2002. (**Module 1,2,3,4&5**)
4. Introduction to Mathematical Economics, Third edition, Edward T Dowling, Schaum's outline series, McGraw – Hill (Module 1,2,3,4&5)

ADDITIONAL READINGS

1. A.Chiang & K.Wainwright: Fundamental Methods of Mathematical Economics, McGraw Hill.
2. E. Silberberg & Suen: The Structure of Economics, McGraw Hill
3. Simon & Blume, Mathematics for Economists, Viva Books.
4. Rudin W.: Principles of Mathematical Analysis, McGraw-Hill
5. D. Varberg, E. J. Purcell, S. E. Rigdon. Calulus, Eighth Edition, Prentice Hall.

MAPPING OF COs WITH PSOs:

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9
CO 1	3	-	-	-	-	-	-	-	-
CO 2	-	-	-	1	-	-	2	-	3
CO 3	-	-	-	1	-	-	2	-	3
CO 4	-	-	-	1	-	-	2	-	3
CO 5	-	2	-	-	-	-	2	-	3

CORRELATION LEVELS:

Level	Correlation
-	Nil
1	Slightly / Low
2	Moderate / Medium
3	Substantial / High

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ASSESSMENT RUBRICS:

- Quiz / Assignment/ Viva Voce/ Discussion / Seminar
- Internal Exam
- Practical Assignments (20%)
- Final Exam (70%)

MAPPING OF COS TO ASSESSMENT RUBRICS:

	Internal Exam	Quiz / Assignment/ Viva Voce/ Discussion / Seminar	Practical Assignment	End Semester Examination
CO 1	✓	✓		✓
CO 2	✓		✓	✓
CO 3	✓	✓		✓
CO 4	✓	✓		✓
CO 5		✓	✓	

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Programme	B.A. Economics with Foreign Trade Honours				
Course Title	**EVOLUTION OF ECONOMIC THEORIES**				
Type of Course	**Major**				
Semester	III				
Academic Level	200 - 299				
Course Details	Credit	Lecture per week	Tutorial per week	Practical per week	Total Hours
	4	4	-	-	60
Pre-requisites	Basic Economics Courses of 100 – 199 level				
Course Summary	This course aims to explore the key ideas of lasting value in the history of economic theory.				

COURSE OUTCOMES (CO):

CO	CO Statement	Cognitive Level*	Knowledge Category#	Evaluation Tools used
CO1	Acquire knowledge of basic economic principles behind various economic issues	U	C	Instructor-created exams / Quiz
CO2	Understand the origins of key economic concepts and models	U	C	Seminar Presentation / Group Discussion
CO3	Trace the evolution of major ideas through time	An	P	Seminar Presentation / Group Discussion
CO4	Discuss the influence and value of different writers and their contributions	Ap	P	Instructor-created exams / Home Assignments
CO5	Place theories and ideas studied within the context of the time	Ap	P	Practical Assignment / Observation of Practical Skills
* - Remember (R), Understand (U), Apply (Ap), Analyse (An), Evaluate (E), Create (C) # - Factual Knowledge(F) Conceptual Knowledge (C) Procedural Knowledge (P) Metacognitive Knowledge (M)				

Module	Unit	Content	Hrs	Marks
I		**People and Markets (Microeconomics) – Market mechanism, Competition, Price and Utility**	**13**	**19**
		The Invisible Hand of the Market		
	1	From Mercantilism to Market Economy	1	
	2	Monopolies and the Cournot Point	1	
		Competition in Theory and in Practice		
	3	From ''Perfect Competition'' to Dynamic Competition	1	
	4	Competition Policy: Harvard versus Chicago	1	
	5	Natural Monopolies and Government Market Access Barriers	1	
		Prices, Costs and Profits		
	6	Alfred Marshall's Scissor Theorem	1	
	7	The Laws of Large-Scale Production and Their Limits	1	
	8	Turgot's Law of Returns and Marshall's Producers' Surplus	1	
	9	Trade Margins and Speculation	1	
	10	Fair Prices and Government Intervention into Markets	1	
		The Utility and Real Value of Commodities:		
	11	The Classical Paradox of Value and Gossen's Laws,	1	
	12	Pareto Optimality and Distribution of Income,	1	
	13	Consumer Sovereignty and Merit Goods	1	
II		**People and Markets (Microeconomics) –Market Failure, Wage and Capital**	**10**	**15**
	14	**Causes of Market Failure:** Should the State Act as Night Watchman? Natural Collective Goods, The Non-Applicability of the Exclusion Principle, Externalities and Environmental Problems, Are Environmental Taxes and Charges Unjust? Voluntary Negotiations: The Coase Theorem, The Environment and Politics	4	
	15	**Fair Wages and the Right to Work:** Thunen's Equation for a Natural Wage, Karl Marx's Labour Theory of Value, Problems of Socialism, The Pareto Curve, Minimum Wages and Maximum Income Limits? Productivity and Wage Rates	3	
	16	**The Mystery of Capital and Interest:** Interest Rates and Bans on Interest, Who do Capital Gains Belong to? Bohm-Bawerk's Third Reason, Paradoxes of Capital Theory, Natural Interest Rates and Monetary Policy	3	
III		**Crises of Market Economies (Macroeconomics) – Money and Business Cycle**	**13**	**19**
	17	**How Does Money Enter the Economy?** From Shell Money to the Peel Banking Act, Money Supply and Price Levels	3	
	18	**Business Cycles and Shortages in Demand:** Francois Quesnay's Tableau Economique, The Say Theorem, Marx's Theory of Crises and the Theory of the Purchasing Power of Wages, The Keynesian Revolution	5	

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	19	**Why Do Business Cycles Fluctuate?** Knife-Edge Growth, Aftalion's Use of Fire as an Example: The Accelerator Principle, Business Cycle Policy: Is it Possible to Master the Chaos? Business Cycle Theory at a Political Level, The Influence of Politicians on the Business Cycle	5	
IV		**Crises of Market Economies (Macroeconomics) – Inflation, Unemployment and Growth**	**12**	**17**
	20	**Inflation and Unemployment:** The Quantity Theory, The Controversy about the Philips Curve, The Bullionist Controversy	4	
	21	**Growth and Wealth:** In Praise of Saving, Shortages of Capital and Underdevelopment, The Golden Rule of Accumulation, The Connection Between Interest Rates and Growth Rates	4	
	22	**Limits of Economic Growth:** The Oil Price Shocks of the 1970s, Are the World's Raw Materials Running Out? The ''Robber-Booty'' Problem and the Hotelling Rule, Is there any Justice for Future Generations?	4	
V		**Open Ended Module**	**12**	
		Discussion based on reports about economic problems such as high unemployment or rising government debt.		
		Practical Assignments to trace the evolution of major ideas through time		
		Seminar on the influence and value of different writers and their contributions to the development of modern economic thought		

Note: The course is divided into five modules, with four modules together having total 22 fixed units and one open-ended module with a variable number of units. There are total 48 instructional hours for the fixed modules and 12 hours for the open-ended one. Internal assessments (30 marks) are split between the open-ended module (10 marks) and the fixed modules (20 marks). The final exam, however, covers only the 22 units from the fixed modules. The 70 marks shown in the last column, distributed over the first four modules, are only for the external examination.

REFERENCE:

1. Van Suntum, U. (2005). The Invisible Hand: Economic Thought Yesterday and Today.

   Springer Science & Business Media. **(All modules)**

ADDITIONAL READINGS

1. Haney, L. H. 1. (2018). History of Economic Thought; A critical account of the origin and development of the economic theories of the leading thinkers in the leading nations. Franklin Classics.
2. Blaug, M. (1997). *Economic theory in retrospect*. Cambridge University Press.
3. Wolff, R. D., & Resnick, S. A. (2012). Contending economic theories: Neoclassical, Keynesian, and Marxian. MIT Press.
4. Buchholz, T. G. (2007). *New Ideas from Dead Economists: An Introduction to Modern Economic Thought*. Penguin.

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MAPPING OF COs WITH PSOs:

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9
CO 1	3	-	-	-	2	-	-	2	-
CO 2	3	-	-	-	-	-	-	-	-
CO 3	-	-	1	-	-	-	3	-	-
CO 4	-	-	-	2	-	-	3	-	-
CO 5	-	-	2	2	-	-	-	3	-

CORRELATION LEVELS:

Level	Correlation
-	Nil
1	Slightly / Low
2	Moderate / Medium
3	Substantial / High

ASSESSMENT RUBRICS:

- Quiz / Assignment/ Viva Voce/ Discussion / Seminar
- Internal Exam
- Practical Assignments (20%)
- Final Exam (70%)

MAPPING OF COs TO ASSESSMENT RUBRICS:

	Internal Exam	Quiz / Assignment/ Viva Voce/ Discussion / Seminar	Practical Assignment	End Semester Examination
CO 1	✓	✓		✓
CO 2	✓			✓
CO 3	✓	✓		✓
CO 4	✓	✓		✓
CO 5		✓		

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Programme	B.A. Economics with Foreign Trade Honours
Course Title	**INTERMEDIATE MICROECONOMICS**
Type of Course	**Major**
Semester	IV
Academic Level	200 – 299

Course Details	Credit	Lecture per week	Tutorial per week	Practical per week	Total Hours
	4	4	-	-	60

Pre-requisites	Basic Economics of 100 – 199 level
Course Summary	This course focuses on the behaviour of consumers under certain conditions, optimisation in production, different conditions prevailing in competitive markets and the choices of a competitive firm.

OURSE OUTCOMES (CO):

CO	CO Statement	Cognitive Level*	Knowledge Category#	Evaluation Tools used
CO1	To understand the core concepts and methods of microeconomics	U	C	Instructor-created exams / Practical Assignment
CO2	Understand the basic elements of consumption and production theories.	U	F	Writing assignments / Quiz
CO3	To analyze the consumer choice under different conditions of preferences.	An	P	Observation of Practical Skills / Group Discussion
CO4	Apply the economic perspective and reason accurately in relation to different competitive market conditions.	Ap	P	Observation of Practical Skills / Home Assignments
CO5	To solve and interpret stylized problems based on microeconomic models.	An	P	Group Discussion / Instructor-created exams
CO6	Use microeconomic models to evaluate real-world microeconomic phenomena and issues.	E	M	Practical Assignment Viva Voce

* - Remember (R), Understand (U), Apply (Ap), Analyse (An), Evaluate (E), Create (C)

\# - Factual Knowledge(F) Conceptual Knowledge (C) Procedural Knowledge (P) Metacognitive Knowledge (M)

Module	Unit	Content	Hrs	Marks
I		**Choice Under Certainty**	**10**	**15**
	1	Optimal Choice determination: Budget Line – Marginal Rate of Substitution;	2	
	2	Consumer's Equilibrium using indifference curves -	2	
	3	Interior Optimum - Boundary Optimum.	2	
	4	Optimisation: Perfect Substitutes and Perfect Complements.	2	
	5	Estimating Utility Functions and implication of the MRS condition.	2	
II		**Comparative Statics in Consumer Theory**	**14**	**20**
	6	Offer Curves: Income Offer Curves- Engel Curves – Normal, Inferior and Giffen Goods –	3	
	7	Perfect Substitutes and Perfect Complements – Homothetic and Quasilinear preferences - Price Offer Curves:	2	
	8	Perfect Substitutes and Perfect Complements – Discrete Goods – Inverse Demand Function	1	
	9	Revealed Preference Approach: WARP and SARP;	2	
	10	The total change in demand: The substitution effect and income effect with suitable examples.	2	
	11	Rates of changes	1	
	12	Elasticity-Price elasticity of demand-The elasticity of linear demand curve-Income elasticity of demand; cross elasticity of demand;	2	
	13	Consumer Surplus.	1	
III		**Optimisation In Production**	**12**	**17**
	14	Short run and long run production function- Cost curves- Profit Maximisation in the Short Run and Long Run.	5	
	15	Cost Minimisation - Returns to Scale and the Cost Function	5	
	16	Cobb Douglas Production Function	2	

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		The Analysis of Competitive Markets	12	
IV	17	Short run and long run Equilibrium in perfectly competitive firm and industry	3	18
	18	Monopoly – linear demand curve – Mark up pricing – Inefficiency of monopoly-Dead Weight Loss-	2	
	19	Price Discrimination-bundling-Two-part tariffs	2	
	20	Monopolistic Competition-Product differentiation-selling cost	2	
	21	Oligopoly-collusive versus non collusive oligopoly-	2	
	22	Kinked demand curve model.	1	
		Open ended module	12	
V		Discussion based on different market structures in the world		
		Seminars to analyse changing equilibrium conditions under different market structures.		
		Practical Assignments to compare and relate market of different products with different market structures.		

Note: The course is divided into five modules, with four modules together having total 22 fixed units and one open-ended module with a variable number of units. There are total 48 instructional hours for the fixed modules and 12 hours for the open-ended one. Internal assessments (30 marks) are split between the open-ended module (10 marks) and the fixed modules (20 marks). The final exam, however, covers only the 22 units from the fixed modules. The 70 marks shown in the last column, distributed over the first four modules, are only for the external examination.

REFERENCE:

1. H.R Varian (2009), Intermediate Microeconomics- A Modern Approach. W W Norton & Co
2. Pindyck, R. and Rubinfeld, D. Microeconomics (2017, Ninth Edition). ISBN: 978-1-292-21-331-6.

ADDITIONAL READINGS

1. Dominick Salvatore (2013): Microeconomics: Theory and Applications- 5thEdition, Oxford
2. A Koutsoyiannis (1979): Modern Microeconomics- 2ndEdition, Macmillan
3. Gregory Mankiw (2006) Principles of Microeconomics, (Paperback) South Western
4. Robert Y Awh (1976): Microeconomics: Theory and Applications- John Wiley & Sons.
5. Watson and Getz (2004): Price Theory and its Uses- 5thEdition, AITBS Publishers and Distributors.

MAPPING OF COs WITH PSOs:

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9
CO 1	3	1	-	-	-	-	-	1	1
CO 2	3	1	-	1	-	-	1	1	1
CO 3	3	2	-	1	-	-	1	2	1
CO 4	-	3	2	1	1	-	1	2	2
CO 5	2	1	-	1	-	-	2	2	3
CO 6	-	2	2	2	2	-	3	2	3

CORRELATION LEVELS:

Level	Correlation
-	Nil
1	Slightly / Low
2	Moderate / Medium
3	Substantial / High

ASSESSMENT RUBRICS:

- Quiz / Assignment/ Viva Voce/ Discussion / Seminar
- Internal Exam
- Practical Assignments (20%)
- Final Exam (70%)

MAPPING OF COs TO ASSESSMENT RUBRICS:

	Internal Exam	Quiz / Assignment/ Viva Voce/ Discussion / Seminar	Practical Assignment	End Semester Examination
CO 1	✓	✓		✓
CO 2	✓	✓		✓
CO 3	✓	✓	✓	✓
CO 4	✓	✓		✓
CO 5		✓	✓	
CO 6			✓	

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Programme	B.A. Economics with Foreign Trade Honours				
Course Title	**INTERMEDIATE MACROECONOMICS**				
Type of Course	**Major**				
Semester	IV				
Academic Level	200 - 299				
Course Details	Credit	Lecture per week	Tutorial per week	Practical per week	Total Hours
	4	4	-	-	60
Pre-requisites	Basic Economics Course of 100 – 199 level				
Course Summary	This course explores important concepts, basic theories and models and other fundamental macro aspects of economics.				

COURSE OUTCOMES (CO):

CO	CO Statement	Cognitive Level*	Knowledge Category#	Evaluation Tools used
CO1	Understand the important concepts of economics and its real-world applications.	U	C	Instructor-created exams / Quiz
CO2	Develop and practice the skill of thinking like an economist.	Ap	P	Practical Assignment / Observation of Practical Skills
CO3	Help the student master the macroeconomic aspects essential for understanding the economic climate, specific economic issues, and policy alternatives.	U	P	Seminar Presentation / Group Discussion
CO4	Understand and apply the macroeconomic perspective and reason accurately and objectively about economic matters.	Ap	C	Instructor-created exams / Home Assignments
CO5	To make the students curious about the functioning of the economy and the power and breadth of economics	U	F	Writing assignments
CO6	Demonstrate critical thinking and problem-solving skills by applying the acquired knowledge to address complex economic challenges in the contemporary world.	Ap	P	Viva Voce
* - Remember (R), Understand (U), Apply (Ap), Analyse (An), Evaluate (E), Create (C)				
# - Factual Knowledge(F) Conceptual Knowledge (C) Procedural Knowledge (P) Metacognitive Knowledge (M)				

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Module	Unit	Content	Hrs	Marks
I		**Classical Macroeconomics**	**12**	**17**
	1	The Classical Revolution, Production, Employment: Labor Demand, Labor Supply,	2	
	2	Equilibrium Output and Employment: The Determinants of Output and Employment, Factors That Do Not Affect Output,	2	
	3	The Quantity Theory of Money: The Equation of Exchange, The Cambridge Approach to the Quantity Theory,	2	
	4	Theory, The Classical Aggregate Demand Curve, The Classical Theory of the Interest Rate,	3	
	5	Policy Implications of the Classical Equilibrium Model: Fiscal Policy, Monetary Policy	3	
II		**The Keynesian System**	**12**	**17**
	6	The Problem of Unemployment, The Simple Keynesian Model: Conditions for Equilibrium Output	2	
	7	The Components of Aggregate Demand: Consumption, Investment, Government Spending and Taxes	2	
	8	Determining Equilibrium Income, Changes in Equilibrium Income	1	
	9	Fiscal Stabilization Policy	1	
	10	Exports and Imports in the Simple Keynesian Model Money in the Keynesian System: Interest Rates and Aggregate Demand,	2	
	11	The Keynesian Theory of the Interest Rate,	2	
	12	The Keynesian Theory of Money Demand, The Effects of an Increase in the Money Supply	2	
III		**The orthodox Keynesian school**	**12**	**17**
	13	The IS–LM model for a closed economy: Money Market Equilibrium: The LM Schedule, Product Market Equilibrium:	2	
	14	The IS Schedule, The IS and LM Schedules Combined, Underemployment equilibrium in the Keynesian model,	2	
	15	Factors That Affect Equilibrium Income and the Interest Rate:	1	
	16	Monetary Influences: Shifts in the LM Schedule, Real Influences: Shifts in the IS Schedule,	1	
	17	The Relative Effectiveness of Monetary and Fiscal Policy: Policy Effectiveness and the Slope of the IS Schedule, Policy Effectiveness and the Slope of the LM Schedule,	2	
	18	The IS–LM model for an open economy,	2	
	19	The Phillips curve and orthodox Keynesian economics, The central propositions of orthodox Keynesian economics	2	

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		Aggregate Supply and Demand	13	
IV	20	The Keynesian Aggregate Demand Schedule, The Keynesian Aggregate Demand Schedule Combined with the Classical Theory of Aggregate Supply,	3	**19**
	21	A Contractual View of the Labor Market: Sources of Wage Rigidity, A Flexible Price–Fixed Money Wage Model, Labor Supply and Variability in the Money Wage: Classical and Keynesian Theories of Labor Supply,	3	
	22	The Keynesian Aggregate Supply Schedule with a Variable Money Wage, Policy Effects in the Variable-Wage Keynesian Model,	3	
	23	The Effects of Shifts in the Aggregate Supply Schedule: Factors That Shift the Aggregate Supply Schedule	4	
V		**Open ended module**	12	
		Discussion based on different schools of thought		
		Practical Assignments		
		Seminar		

Note: The course is divided into five modules, with four modules together having total 22 fixed units and one open-ended module with a variable number of units. There are total 48 instructional hours for the fixed modules and 12 hours for the open-ended one. Internal assessments (30 marks) are split between the open-ended module (10 marks) and the fixed modules (20 marks). The final exam, however, covers only the 22 units from the fixed modules. The 70 marks shown in the last column, distributed over the first four modules, are only for the external examination.

REFERENCE:

1. Froyen, R. T., (2013). Study guide macroeconomics theories and policies, tenth edition, Pearson Education India
2. Brian Snowdon and Howard R. Vane (2005), Modern Macroeconomics: Its Origins, Development and Current State, Edward Elgar

ADDITIONAL READINGS

1. Goodwin, N., Harris, J. M., Nelson, J. A., Roach, B., & Torras, M. (2015b). Macroeconomics in context. Routledge.
2. Sikdar, S. (2020). Principles of macroeconomics. Oxford University Press.
3. Mankiw, N. G., Kneebone, R. D., & McKenzie, K. J. (2023). Principles of Macroeconomics, 9th Edition. Cengage Canada.
4. DeLorme, C. D., & Ekelund, R. B. (1983). Macroeconomics. Plano, Tex.: Business Publications.

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MAPPING OF COs WITH PSOs:

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO 7	PSO 8	PSO 9
CO 1	3	-	-	1	-	-	-	-	-
CO 2	1	1	1	1	-	-	2	1	-
CO 3	3	2	-	2	-	-	2	1	-
CO 4	3	2	-	2	-	-	3	2	-
CO 5	2	1	-	-	-	-	-	1	-
CO 6	1	-	2	1	3	-	2	1	-

CORRELATION LEVELS:

Level	Correlation
-	Nil
1	Slightly / Low
2	Moderate / Medium
3	Substantial / High

ASSESSMENT RUBRICS:

- Quiz / Assignment/ Viva Voce/ Discussion / Seminar
- Internal Exam
- Practical Assignments (20%)
- Final Exam (70%)

MAPPING OF COs TO ASSESSMENT RUBRICS:

	Internal Exam	Quiz / Assignment/ Viva Voce/ Discussion / Seminar	Practical Assignment	End Semester Examination
CO 1	✓	✓		✓
CO 2	✓		✓	✓
CO 3	✓	✓		✓
CO 4	✓	✓		✓
CO 5		✓	✓	
CO 6			✓	

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Programme	B.A. Economics with Foreign Trade Honours				
Course Title	**ANALYTICAL TOOLS FOR ECONOMICS II**				
Type of Course	**Major**				
Semester	IV				
Academic Level	200-299				
Course Details	Credit	Lecture per week	Tutorial per week	Practical per week	Total Hours
	4	4	-	-	60
Pre-requisites	Basic Economics Course of 0 – 99 level				
Course Summary	This course introduces students about statistical methods for economic analysis. Students shall acquire in-depth knowledge in the concepts of probability, probability distributions, theory of estimation, hypothesis testing and their applications in economic analysis.				

COURSE OUTCOMES (CO):

CO	CO Statement	Cognitive Level*	Knowledge Category#	Evaluation Tools used
CO1	Basic understanding of computation of probability.	U	C	Instructor-created exams / Quiz
CO2	Identify various probability distributions and its applications	Ap	P	Practical Assignment / Observation of Practical Skills
CO3	Understand estimation of mean, variance and population of parameters of sampling distributions	U	P	Seminar Presentation / Group Discussion
CO4	Understand and Apply hypothesis testing for economics theories	Ap	C	Instructor-created exams / Home Assignments
CO5	Develop critical thinking and problem-solving skills by applying statistical methods in Economic theories and acquired knowledge to address complex economic challenges in the contemporary world.	Ap	F	Viva Voce/Project
* - Remember (R), Understand (U), Apply (Ap), Analyse (An), Evaluate (E), Create (C) # - Factual Knowledge(F) Conceptual Knowledge (C) Procedural Knowledge (P) Metacognitive Knowledge (M)				

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Module	Unit	Content	Hrs	Marks
I		**Elementary Probability Theory**	**14**	**21**
	1	Concepts- Set theory- Permutations and Combinations, Definitions of Probability - classical, empirical and axiomatic approaches- Addition and multiplication laws	3	
	2	Conditional probability- Bay's theorem	2	
	3	Random variables- probability distribution- Mathematical expectation- moments	3	
	4	Two random variables: joint, Marginal and conditional probability functions	3	
	5	Computing expected values- Covariance and correlation coefficients	3	
II		**Probability Distributions**	**11**	**16**
	6	Discrete Probability Distributions, Binomial , Poisson, Uniform - simple applications	4	
	7	Continuous probability distributions- Normal, Lognormal and Exponential Distributions (Derivations are not expected)	4	
	8	Concept of law of large numbers and Central limit theorem	1	
	9	Distribution function- Distribution function of one random variable	2	
III		**Theory of Estimation**	**12**	**17**
	10	Statistical Inference, Concept of population, sample- Sampling distributions- Standard error	3	
	11	Distributions of sample mean, Sample variance - chi square Student's t, and F distributions	3	
	12	Small and large sample properties of Z, t, Chi Square and F	2	
	13	Estimation of population parameters using method of OLS	1	
	14	Estimation of population parameters using method of maximum likelihood procedures	1	
	15	Point and interval estimation- Confidence intervals for population parameters	1	
	16	Properties of estimators	1	
IV		**Testing of Hypothesis**	**11**	**16**
	17	Simple and composite hypothesis- Null and alternative hypothesis	1	
	18	Type I and Type II error, Critical region- Level of significance, Power of a test	1	
	19	Test procedure - Test of significance in respect of Mean, Proportion, Variance and Correlation coefficient and their differences	2	
	20	Chi Square test of goodness of fit, and test for independence of attributes	2	
	21	Non parametric tests - Sign test, Wilcoxon- Mann Whitney U Test, Signed rank test	3	
	22	Kruskal Wallis test, Wald-Wolfowitz test	2	
V		**Open Ended Module**	**12**	
	1	Develop critical thinking and problem-solving skills by applying statistical methods in Economic theories		

	2	Discussion based on statistical tools		
	3	Practical Assignments		
	4	Seminar		

Note: The course is divided into five modules, with four modules together having total 22 fixed units and one open-ended module with a variable number of units. There are total 48 instructional hours for the fixed modules and 12 hours for the open-ended one. Internal assessments (30 marks) are split between the open-ended module (10 marks) and the fixed modules (20 marks). The final exam, however, covers only the 22 units from the fixed modules. The 70 marks shown in the last column, distributed over the first four modules, are only for the external examination.

REFERENCE:

1. Paul G. Hoel, Sidney C. Port, Charles J. Stone: Introduction to Probability Theory, Universal Book Store, Delhi (Module 1)
2. John E. Freund's Mathematical Statistics with Applications, Pearson, 2014 (Module2)
3. G Casella and R L Berger, Statistical Inference, Duxbury Advanced Series, Cengage Learning, 200 and William G. Cochran, Sampling Techniques, John Wiley, 2007(Module 3)
4. Mood, A.M., F.A.Greybill and D.C. Boes: Introduction to the theory of statistics, McGraw Hill (Module 4)
5. Goon, Gupta and Dasgupta, Fundamentals of Statistics, Volume 1, 2, World Press(Module 4)

ADDITIONAL READINGS

1. Taro Yamane, Statistics: An Introductory Analysis, Harper & Row, Edition 3,1973
2. Hoel PG: Introduction to Mathematical Statistics, John Wiley & Sons, Edition 4,1971
3. YP Agarwal: Statistical Methods: Concepts, Application and Computation, Sterling Publishers1986
4. Sidney Siegal, N. John Castellan: Non parametric Statistics for Behaviour Sciences, Edition 2, 1988, McGraw-Hill
5. Tulsian, P.C and Vishal Pandey: Quantitative Techniques, Pearson Education, NewDelhi
6. S.P. Gupta: Statistical Methods, Sulthan Chand and Sons, NewDelhi.
7. Hooda R.P: Statistics for Business and Economics, Mac Million, NewDelhi
8. Alpha C Chiang: Fundamental Methods of Mathematical Economics, 2 nd Ed. -International Student Edition, McGrawhill
9. Edward T Dowling: Introduction to Mathematical Economics, Third Edition, Shaum's Outlines, Tata McGrawhill Publishing Co. Ltd, New Delhi.
10. SreenathBaruah: Basic Mathematics and its applications in Economics, Macmillan India Ltd.

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MAPPING OF COs WITH PSOs:

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9
CO 1	3	-	-	-	-	-	-	-	-
CO 2	-	-	-	1	-	-	3	1	
CO 3	1	-	-	1	-	-	-	-	3
CO 4	-	-	1	2	-	-	2	-	3
CO 5	-	-	-	-	-	-	2		3

CORRELATION LEVELS:

Level	Correlation
-	Nil
1	Slightly / Low
2	Moderate / Medium
3	Substantial / High

ASSESSMENT RUBRICS:

- Quiz / Assignment/ Viva Voce/ Discussion / Seminar
- Internal Exam
- Practical Assignments (20%)
- Final Exam (70%)

MAPPING OF COs TO ASSESSMENT RUBRICS:

	Internal Exam	Quiz / Assignment/ Viva Voce/ Discussion / Seminar	Practical Assignment	End Semester Examination
CO 1	✓	✓		✓
CO 2	✓		✓	✓
CO 3	✓	✓		✓
CO 4	✓	✓		✓
CO 5		✓	✓	

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Programme	B.A. Economics with Foreign Trade Honours
Course Title	**ADVANCED MICROECONOMICS**
Type of Course	**Major**
Semester	V
Academic Level	300-399

Course Details	Credit	Lecture per week	Tutorial per week	Practical per week	Total Hours
	4	4	-	-	60

Pre-requisites	Basic Economics Course of 0 – 99 level
Course Summary	This course focuses on market on factor inputs, various aspects of general equilibrium and economic efficiency, the behaviour of consumers under uncertain conditions and basic concepts of behavioural economics.

COURSE OUTCOMES (CO):

CO	CO Statement	Cognitive Level*	Knowledge Category#	Evaluation Tools used
CO1	To understand the fundamental methods and theories of microeconomics	U	C	Instructor-created exams / Practical Assignment
CO2	Understand the functioning of factor markets.	U	C	Writing assignments / Quiz
CO3	To analyze the concept of general equilibrium and welfare analysis.	An	P	Observation of Practical Skills / Group Discussion
CO4	Apply microeconomic concepts to analyse real-life economic situations.	Ap	P	Observation of Practical Skills / Home Assignments
CO5	To evaluate consumer behaviour under uncertain conditions .	E	P	Group Discussion / Instructor-created exams

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		Develop microeconomic models to evaluate real-world microeconomic phenomena and issues.	C	M	Practical Assignment Viva Voce
CO6					

* - Remember (R), Understand (U), Apply (Ap), Analyse (An), Evaluate (E), Create (C)

- Factual Knowledge(F) Conceptual Knowledge (C) Procedural Knowledge (P) Metacognitive Knowledge (M)

DETAILED SYLLABUS:

Module	Unit	Content	Hrs:	Marks
I		**Market for Factor Inputs**	**13**	**18**
	1	Competitive Factor Markets - Demand for a Factor input with a single variable input	3	
	2	Demand for a Factor input with a several variable inputs	3	
	3	Supply of inputs - Equilibrium	3	
	4	Factor markets with Monopoly Power	2	
	5	Factor markets with Monopsony Power	2	
II		**General Equilibrium and Economic Efficiency**	**15**	**20**
	6	Efficiency in Exchange - The Advantages of trade	2	
	7	Edgeworth Box Diagram - Efficient Allocations	2	
	8	Contract Curve - Economic Efficiency of Competitive Markets	2	
	9	Equity and Efficiency - The Utility Possibilities Frontier	2	
	10	Social Welfare Functions	2	
	11	Equity and Perfect Competition	1	
	12	Efficiency in Production - Input efficiency - Production Possibility Frontier - Marginal Rate of Transformation	3	
	13	Efficiency in Output Markets	1	
III		**Uncertainty and Consumer Behaviour**	**10**	**16**
	14	Describing Risk- Probability- Expected Value – Variability -	1	
	15	Preferences towards Risk – Risk Averse- Risk Neutral – Risk Loving	2	
	16	Reducing Risk – Diversification – Law of Large Numbers – Actuarial Fairness	2	
	17	The Value of Information	2	
	18	Demand for Risky Assets – Trade-off between risk and return – Investor's Choice Problem	3	
IV		**Behavioural Economics**	**10**	**16**
	19	Reference Points and Consumer's preferences	3	
	20	Endowment Effect – Loss Aversion – Framing- Fairness	3	
	21	Rules of Thumb and Biases in Decision making –	2	
	22	Anchoring – Rules of Thumb – Law of Small Numbers	2	

	Open Ended Module	12	
V	Discussion based on different market securities and its valuation.		
	Practical Assignments about firms' decision making in calculating the worthiness of a capital investment.		

Note: The course is divided into five modules, with four modules together having total 22 fixed units and one open-ended module with a variable number of units. There are total 48 instructional hours for the fixed modules and 12 hours for the open-ended one. Internal assessments (30 marks) are split between the open-ended module (10 marks) and the fixed modules (20 marks). The final exam, however, covers only the 22 units from the fixed modules. The 70 marks shown in the last column, distributed over the first four modules, are only for the external examination.

REFERENCE:

1. Pindyck, R. and Rubinfeld, D. Microeconomics (2017, Ninth Edition). ISBN: 978-1-292-21-331-6.
2. H.R Varian (2009), Intermediate Microeconomics- A Modern Approach. W W Norton & Co

ADDITIONAL READINGS

1. Dominick Salvatore (2013): Microeconomics: Theory and Applications- 5thEdition, Oxford
2. A Koutsoyiannis (1979): Modern Microeconomics- 2ndEdition, Macmillan
3. Gregory Mankiw (2006) Principles of Microeconomics, (Paperback) South Western
4. Robert Y Awh (1976): Microeconomics: Theory and Applications- John Wiley & Sons.
5. Watson and Getz (2004): Price Theory and its Uses- 5thEdition, AITBS Publishers and Distributors.

MAPPING OF COs WITH PSOs:

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9
CO 1	3	-	-	-	-	-	-	-	-
CO 2	3	1	-	1	-	-	1	1	-
CO 3	3	2	-	1	-	-	1	1	-
CO 4	-	3	2	1	1	-	1	2	2
CO 5	2	1	-	1	-	-	2	2	2
CO 6	-	2	2	2	2	-	3	2	2

CORRELATION LEVELS:

Level	Correlation
-	Nil
1	Slightly / Low
2	Moderate / Medium
3	Substantial / High

ASSESSMENT RUBRICS:

- Quiz / Assignment/ Viva Voce/ Discussion / Seminar
- Internal Exam
- Practical Assignments (20%)
- Final Exam (70%)

MAPPING OF COs TO ASSESSMENT RUBRICS:

	Internal Exam	Quiz / Assignment/ Viva Voce/ Discussion / Seminar	Practical Assignment	End Semester Examination
CO 1	✓	✓		✓
CO 2	✓	✓		✓
CO 3	✓	✓	✓	✓
CO 4	✓	✓		✓
CO 5		✓	✓	
CO 6			✓	

Programme	B.A. Economics with Foreign Trade Honours				
Course Title	**FOREIGN TRADE DOCUMENTATION AND LOGISTICS**				
Type of Course	**Major**				
Semester	V				
Academic Level	300-399				
Course Details	Credit	Lecture per week	Tutorial per week	Practical per week	Total hours
	4	4	-	-	60
Pre-requisites	Economics Course of 200 – 299 level				
Course Summary	This course covers the procedures, documents, intermediaries, trade terms and logistics in the context of exporting and importing of goods and services.				

COURSE OUTCOMES (CO):

CO	CO Statement	Cognitive Level*	Knowledge Category#	Evaluation Tools used
CO1	Understand the different documents used in international trade	U	C	Instructor-created exams / Quiz
CO2	Identify the rationale behind documentation	Ap	C	Practical Assignment / Observation of Practical Skills
CO3	Analyse the procedures involved in exporting and importing	An	P	Writing assignments
CO4	Develop an idea about the concept of logistics and its various facets.	C	M	Instructor-created exams / Home Assignments
CO5	Analyse the procedures involved in excise and custom clearance of cargo	A	P	Seminar Presentation / Group Discussion
* - Understand (U), Apply (Ap), Analyse (An), Create (C)				
# - Conceptual Knowledge (C) Procedural Knowledge (P) Metacognitive Knowledge (M)				

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DETAILED SYLLABUS:

Module	Unit	Content	Hrs	Marks
I		**Documentation in Foreign Trade**	**12**	**15**
	1	Foreign trade documentation -Meaning,	2	
	2	Need and importance of Foreign trade documentation	2	
	3	Types of documents as commercial and regulatory documents	2	
	4	Aligned Documentation System.	2	
	5	INCO TERMS	2	
	6	C &F Agents -export and import	2	
II		**Export Procedures**	**13**	**20**
	7	Export preliminaries-obtaining Reserve Bank Code Number, registration with Export Promotion Councils -IEC number -RCMC	3	
	8	Export licensing	2	
	9	Processing of an export order-Getting an export order-Pre shipment, Shipment, Post shipment	4	
	10	Customs clearance of export cargo	2	
	11	Excise clearance of export cargo	2	
III		**Import Procedures**	**8**	**20**
	12	Import licensing	2	
	13	Procedure for import in detail	3	
	14	Customs clearance of import cargo	2	
	15	Excise clearance of import cargo	1	
IV		**International Logistics Management**	**15**	**15**
	16	Logistics- definition, concept, types and importance	3	
	17	Overview of logistics in international trade	2	
	18	Logistics operations -transportation management	2	
	19	Logistics operations -Inventory management	2	
	20	Logistics operations -Warehousing	2	
	21	Logistics operations -distribution	2	
	22	Reverse logistics, Make or buy decision in business	2	
		Open Ended Module		
V		**International trade and the role of export import management in global business**	**12**	
	1	DiscussionandSeminar on - The role of export promotion organizations and bodies in the international trade of India - Current list of EPC's in India - The influence of logistics and supply chain management in modern world - Usage of different documents in international trade		
	2	Practical applicationson		

		- Hands on experience with documentation - Site visit to logistic companies - Visit to different government offices related to export and import		

Note: The course is divided into five modules, with four modules together having total 22 fixed units and one open-ended module with a variable number of units. There are total 48 instructional hours for the fixed modules and 12 hours for the open-ended one. Internal assessments (30 marks) are split between the open-ended module (10 marks) and the fixed modules (20 marks). The final exam, however, covers only the 22 units from the fixed modules. The 70 marks shown in the last column, distributed over the first four modules, are only for the external examination.

REFERENCE:

1. C. Rama Gopal –Export Import Procedure, Documentation and Logistics– New Age Publications
2. Usha Kiran Rai –Export , Import and Logistics Management– PHI learning Pvt.Ltd.
3. M.I. Mahajan –Foreign Trade Procedures and Documentation– Snow White Publishers.

ADDITIONAL READINGS

1. P.K.Khurana –Export Management – PHI learning Pvt. Ltd.
2. Khurana P K, Export Management, Galgotia Publications.
3. Justin Paul & Rajiv Aserkar, Export Import management, Oxford Publication
4. Rakesh Mohan Joshi, International Business, Oxford Publication.
5. E. Johnson, Export/Import Procedures And Documentation (Export/Import Procedures & Documentation)

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https://www.dgft.gov.in/CP/

https://commerce.gov.in/

https://www.cbic.gov.in/

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MAPPING OF COs WITH PSOs:

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9
CO 1	-	-	2	-	-	-	-	-	-
CO 2	-	-	3	-	-	2	-	-	-
CO 3	-	-	3	-	-	3	-	-	-
CO 4	-	-	1	-	-	2	2	3	-
CO 5	-	-	2	-	-	3	2	-	-

CORRELATION LEVELS:

Level	Correlation
-	Nil
1	Slightly / Low
2	Moderate / Medium
3	Substantial / High

ASSESSMENT RUBRICS:

- Quiz / Assignment/ Viva Voce/ Discussion / Seminar
- Internal Exam
- Practical Assignments (20%)
- Final Exam (70%)

MAPPING OF COs TO ASSESSMENT RUBRICS:

	Internal Exam	Quiz / Assignment/ Viva Voce/ Discussion / Seminar	Practical Assignment	End Semester Examination
CO 1	✓	✓	✓	✓
CO 2	✓	✓	✓	✓
CO 3	✓	✓	✓	✓
CO 4		✓	✓	✓
CO 5		✓	✓	✓

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Programme	B.A. Economics with Foreign Trade Honours				
Course Title	**EXPORT MARKETING**				
Type of Course	**Major**				
Semester	V				
Academic Level	300- 399				
Course Details	Credit	Lecture per week	Tutorial per week	Practical per week	Total hours
	4	4	-	-	60
Pre-requisites	Economics Course of 200 – 299 level				
Course Summary	The course covers international market dynamics, strategies for entering foreign markets and other crucial marketing aspects for successful business expansion.				

COURSE OUTCOMES (CO):

CO	CO Statement	Cognitive Level*	Knowledge Category#	Evaluation Tools used
CO1	Examine the concept, factors influencing, importance, risk involved in export marketing,	U	C	Instructor-created exams / Quiz
CO2	Understand how to manage export marketing activities in international market.	U	C	Practical Assignment / Observation of Practical Skills
CO3	Explain the new product development and pricing in global market.	R	F	Seminar Presentation / Group Discussion
CO4	Recognize the promotional strategies and channels of distribution in international market.	R	F	Instructor-created exams / Home Assignments
CO5	Evaluate different modes of entry into foreign market	E	M	Writing assignments
CO6	Apply the market entry and export marketing strategy in international market.	Ap	P	Viva Voce
* - Remember (R), Understand (U), Apply (Ap), , Evaluate (E),				
# - Factual Knowledge(F) Conceptual Knowledge (C) Procedural Knowledge (P) Metacognitive Knowledge (M)				

DETAILED SYLLABUS:

Module	Unit	Content	Hrs	Marks
I		**Basics of export marketing**	**10**	**15**
	1	Concept and features of Export Marketing	2	
	2	Domestic Marketing Vs Export Marketing,	2	
	3	Factors influencing Export Marketing;	2	
	4	Risks involved in Export Marketing	2	
	5	Export Marketing Development through Internet	2	
II		**Export marketing Mix**	**8**	**15**
	5	Export marketing Mix- 4Ps	3	
	6	4Cs of export marketing mix	1	
	7	International Market entry strategies	4	
III		**Product and pricing for export marketing**	**18**	**20**
	8	Product: Meaning– product planning – product design strategy- Product Life Cycle – product mix- product line.	3	
	9	Packaging– Functions and Types	2	
	10	Branding- objectives, brand types and brand piracy,	2	
	11	Labeling and marking in exports.	2	
	12	Meaning of Price	1	
	13	Factors determining Export Price	2	
	14	Objectives of Export Pricing	2	
	15	Export Pricing methods	2	
	16	Export Pricing Strategies	2	
IV		**Place and Promotion in export marketing**	**12**	**20**
	17	Place- meaning and importance	2	
	18	Channels of distribution in export markets	2	
	19	Need and importance of warehousing	2	
	20	Promotion: Meaning and Importance	2	
	21	Promotional mix and strategies	2	
	22	Promotional strategies	2	
V		**Case studies and practical applications**	**12**	
		Analyzing successful and unsuccessful export marketing campaigns		
		Developing an export marketing plan		
		Analyzing the market entry strategies of global companies		

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Note: The course is divided into five modules, with four modules together having total 22 fixed units and one open-ended module with a variable number of units. There are total 48 instructional hours for the fixed modules and 12 hours for the open-ended one. Internal assessments (30 marks) are split between the open-ended module (10 marks) and the fixed modules (20 marks). The final exam, however, covers only the 22 units from the fixed modules. The 70 marks shown in the last column, distributed over the first four modules, are only for the external examination.

REFERENCE:

1. Export Marketing, Dr.Neelam Arora
2. Export management, DC Kapoor,Vikas Publishing
3. Kumar Aseem, Export and Import Management, , Excel Books, New Delhi
4. B. S. Rathor - Export Marketing – Himalaya Publishing House

ADDITIONAL READINGS

1. International Business, P. Subha Rao,2023
2. Export Import and logistics Management, Usha Kiran Rai
3. International Business – Oded Shankar &YadongLuo John Wiley & sons Inc –Noida
4. International Marketing – Michael R – Czinkota and iikkaRonkainen South – Western Cengag Learning India Pvt Ltd – NewDelhi
5. International Business – Cherunilan, F, Prentice Hall Of India, NewDelhi
6. International Marketing – Cateora PR, and Graham, J.L , Tata MC Grow – Hill NewDelhi
7. Onkvist, S.and J.J. Shaw, International Marketing; Analysis and Strategy, Prentice Hall, New Delhi
8. https://www.dgft.gov.in/CP/

MAPPING OF COs WITH PSOs:

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9
CO 1	-	-	3		-	-	-	-	
CO 2	-	2	3	-	-	-		-	-
CO 3	-	-	3		-	-	-	-	-
CO 4	-	3	3	-	-	-	-	-	-
CO 5	-	-	3	-	-	-	2	-	-
CO 6	-	-	3	-	-	-	3	1	-

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CORRELATION LEVELS:

Level	Correlation
-	Nil
1	Slightly / Low
2	Moderate / Medium
3	Substantial / High

ASSESSMENT RUBRICS:

- Quiz / Assignment/ Viva Voce/ Discussion / Seminar
- Internal Exam
- Practical Assignments (20%)
- Final Exam (70%)

MAPPING OF COs TO ASSESSMENT RUBRICS:

	Internal Exam	Quiz / Assignment/ Viva Voce/ Discussion / Seminar	Practical Assignment	End Semester Examination
CO 1	✓			✓
CO 2	✓		✓	✓
CO 3	✓	✓		✓
CO 4	✓	✓		✓
CO 5	✓	✓	✓	
CO 6			✓	

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Programme	B.A. Economics with Foreign Trade Honours
Course Title	**ECONOMICS OF SHIPPING AND INSURANCE PRACTICES**
Type of Course	**Major**
Semester	VI
Academic Level	300-399

Course Details	Credit	Lecture per week	Tutorial per week	Practical per week	Total hours
	4	4	-	-	60

Pre-requisites	Economics Course of 200 – 299 level
Course Summary	This course includes prospects and implications of Indian and world shipping, marine insurance, container shipping, credit insurance knowledge and the role of ECGC in smoothing international trade.

COURSE OUTCOMES (CO):

CO	CO Statement	Cognitive Level*	Knowledge Category#	Evaluation Tools used
CO1	Understand about Practices and processes involved in shipping	U	C	Instructor-created exams / Quiz
CO2	Understand the latest trends, developments and problems of Indian shipping	U	C	Seminar Presentation / Group Discussion.
CO3	Analyse information about various insurance policies related to shipping and its claim procedure	An	P	Seminar Presentation / Group Discussion.
CO4	Understanding of the role of ECGC in facilitating and promoting international trade	U	C	Instructor-created exams / Quiz
CO5	Evaluate different types of risks in international trade	E	M	Writing assignments/ group discussion
* Understand (U), Analyse (An), Evaluate (E)				
# - Factual Knowledge(F) Conceptual Knowledge (C) Procedural Knowledge (P) Metacognitive Knowledge (M)				

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DETAILED SYLLABUS:

Module	Unit	Content	Hrs	Marks
I		**Introduction to Shipping Economics**	**12**	**15**
	1	Nature of export cargo	2	
	2	Mode of transportation -Types	2	
	3	Mode of transportation: Merits and Demerits	2	
	4	Types of ships and market structure in shipping-Liner, Tramp ,Chartering and Conference shipping	4	
	5	Emerging issues in shipping economics	2	
II		**World and Indian Shipping**	**11**	**15**
	6	Overview of maritime industry-Historical development and evolution in the world	2	
	7	Shipping and international trade-Key players ,Importance,	1	
	8	Major commodities trading in international shipping	2	
	9	Indian shipping-Importance, Problems and Challenges and opportunities.	3	
	10	Indian ports and shipping infrastructure-Major ports in India and their significance	2	
	11	Shipping Corporation of India	1	
III		**Containerization**	**11**	**20**
	12	Containerisation-Historical context, Types, Importance, Merits and Demerits	4	
	13	Multimodal transport document and Dry Port	2	
	14	Procedure for export import through ICD and CFS	2	
	15	Procedure for excise and customs clearance in respect of containerisation	2	
	16	CONCOR	1	
IV		**Marine Insurance and ECGC**	**14**	**20**
	17	Marine insurance -Definition, Scope,	2	
	18	Marine insurance: Parties, and Principles	2	
	19	Types of marine insurance policies and claim procedure-hull and machinery insurance, cargo insurance, freight insurance	2	
	20	Underwriting and risk management-Risk factors in marine insurance, Underwriting process	2	
	21	Different types of risk in international trade	1	
	22	ECGC-objectives, functions and policies in detail	5	

		Practical applications and case studies	**12**	
V		Discussion/ Seminar/ assignment on -Current trends and future developments in Indian shipping - Environmental sustainability in shipping -Role of containers in E -commerce logistics Practical applications and case studies -Case studies on technology adoption in shipping industry Case studies on different port projects Case studies about environmental regulations in Indian shipping Case study on successful containerised trade routes Case studies on eco friendly initiatives in containisation Case study sound legal challenges in marine insurance Case studies on trade finance arrangements with ECGC involvement Case study on successful credit risk management by exporters through ECGC		

Note: The course is divided into five modules, with four modules together having total 22 fixed units and one open-ended module with a variable number of units. There are total 48 instructional hours for the fixed modules and 12 hours for the open-ended one. Internal assessments (30 marks) are split between the open-ended module (10 marks) and the fixed modules (20 marks). The final exam, however, covers only the 22 units from the fixed modules. The 70 marks shown in the last column, distributed over the first four modules, are only for the external examination.

Report Based on Industrial Visit: An industrial visit is recommended because it may add direct experience to learners about shipping and insurance practices in the country. All the students need to prepare a report of the industrial visit and submit it to the Head of the Department soon after the completion of it.

REFERENCE:

1.C. Rama Gopal –Export Import Procedure, Documentation and Logistics– New Age Publications

2.International Logistics – Pierre David –Bizatantra –New Delhi

ADDITIONAL READINGS:

1. International trade and Export Management – Francis cherunilam
2. Logistics Management – Vinod U. Sople – Pearson Education – New Delhi.
3. Logistics Management – Raj Ismail – Excel Books – New Delhi.
4. Foreign Trade Policy – Business Date info Publishing Company – New Delhi
5. Export Management - S. R Ullal
6. Export Management - TAS Balagopal
7. Alan E.Branch. 2008, Elements of Shipping. Chapman and Hall, Fairplay Publications, U.K.

8. Hariharan, K. V. (2002) A Text Book on Containerization and Multimodal Transport. Shroff Publishers and Distributors: New Delhi.
9. STOPFORD, M. (2009) Maritime Economics. New York.
10. Wayne K. Talley (2012) The Blackwell Companion to Maritime Economics. Wiley-Blackwell: U.K
11. https://www.imo.org/en/
12. https://www.dgshipping.gov.in/
13. https://www.shipindia.com/
14. https://shipmin.gov.in/
15. http://www.ipa.nic.in/

MAPPING OF COs WITH PSOs:

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9
CO 1	3	-	2	-	2	-	1	2	-
CO 2	-	-	3		-	3	2	2	-
CO 3	-	-	2	-	-	-	2	3	-
CO 4	3	-	3	-	-	2	2	3	-
CO 5	3	-	2	-	-	3	3	3	-
CO 6	-	-	3	-	-	-	2	3	-

CORRELATION LEVELS:

Level	Correlation
-	Nil
1	Slightly / Low
2	Moderate / Medium
3	Substantial / High

ASSESSMENT RUBRICS:

- Quiz / Assignment/ Viva Voce/ Discussion / Seminar
- Internal Exam
- Practical Assignments (20%)
- Final Exam (70%)

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MAPPING OF COs TO ASSESSMENT RUBRICS:

	Internal Exam	Quiz / Assignment/ Viva Voce/ Discussion / Seminar	Practical Assignment	End Semester Examination
CO 1	✓	✓	✓	✓
CO 2	✓	✓	✓	✓
CO 3	✓	✓		✓
CO 4	✓	✓	✓	✓
CO 5	✓	✓		
CO 6	✓	✓	✓	

Programme	B.A. Economics with Foreign Trade Honours				
Course Title	**FOREIGN TRADE FINANCING AND PROCEDURE**				
Type of Course	**Major**				
Semester	VI				
Academic Level	300 – 399				
Course Details	Credit	Lecture per week	Tutorial per week	Practical per week	Total Hours
	4	3	-	2	75
Pre-requisites	Economics Course of 200 – 299 level				
Course Summary	The paper aims to equip with the updated information on various methods and procedures of Foreign trade financing.				

COURSE OUTCOMES (CO):

CO	CO Statement	Cognitive Level*	Knowledge Category#	Evaluation Tools used
CO1	Understand about various sources of foreign trade finance.	U	C	Instructor-created exams / Quiz
CO2	Understand various institutions involved in export finance.	U	C	Practical Assignment / Observation of Practical Skills
CO3	Explain the various methods of payment involved in export finance.	A	P	Seminar Presentation / Group Discussion
CO4	Understand about various methods and procedures of pre shipment and post shipment finance.	U	C	Instructor-created exams / Home Assignments
CO5	Describe the various incentives and assistance offered by Indian government to Indian Exporters.	R	F	Writing assignments
CO6	Apply the knowledge of trade finance solutions and mitigating risks involved with foreign trade.	Ap	C	Viva Voce
* - Remember (R), Understand (U), Apply (Ap),				
# - Factual Knowledge(F) Conceptual Knowledge (C) Procedural Knowledge (P)				

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Module	Unit	Content	Hrs	Marks
I		**Introduction to Foreign Trade Financing**	**10**	**15**
	1	Meaning and types of Foreign trade Finance	2	
	2	Need for foreign trade finance	2	
	3	Financing of imports in India	2	
	4	Financing of exports in India	2	
	5	Foreign exchange regulations- FEMA	2	
II		**Export Financing**	**9**	**15**
	6	Role of RBI, commercial banks, Export Credit Guarantee Corporation, Export Import Bank and other institutional arrangement in providing export finance and promoting India's exports.	4	
	7	Terms of payment in foreign trade finance	2	
	8	Methods of payment- Payment in advance, open account, documentary bills- Document against payment and Document against payment, documentary credit under letter of credit.	3	
III		**Pre Shipment and Post Shipment Finance**	**11**	**20**
	9	Pre-shipment: Meaning	1	
	10	Post-shipment Finance: Meaning	1	
	11	Need for pre shipment finance	1	
	12	Need for post shipment finance	1	
	13	Pre shipment finance: Methods and procedures	2	
	14	Post shipment finance: Methods and procedures	2	
	15	Export Finance in Foreign Currency.	3	
IV		Export Assistance and Incentives	**15**	**20**
	16	Major current Export Incentives extended to Exporters by the Indian Government – Duty Drawback , EPCG Scheme , MDA, MAI, GST Refund etc. for Exporters.	3	
	17	Deemed Exports benefits	2	
	18	Institutional Assistance to Indian Exporters	2	
	19	Federation of Indian Export Organisations (FIEO)	2	
	20	Export Promotion Councils (EPCs) & Commodity Boards (CBs),	2	
	21	Indian Institute of Foreign Trade(IIFT)	2	
	22	Director General of Foreign Trade.	2	
V		Case studies and practical applications	30	
		Analyzing the problems of Indian exporters in availing foreign trade finance		
		Assignments related specific aspect of foreign trade finance		
		Analysing digitalization in foreign trade finance.		

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Note: The syllabus has five modules. There should be total 22 units in the first four modules together, composed of the theory topics. The number of units in the last module can vary. There are 45 instructional hours for the first four modules and 30 hrs for the final one. Module V is designed to equip students with practical skills. The 20 marks for the evaluation of practical will be based on Module V. Internal assessments (30 marks) are split between the practical module (20 marks) and the first four modules (10 marks). The end-semester examination for the theory part will be based on the 22 units in the first four modules. The 70 marks shown in the last column, distributed over the first four modules, are only for the external examination.

REFERENCE:

1. Export Marketing, Dr.Neelam Arora
2. Export management, DC Kapoor,Vikas Publishing
3. Export Import and logistics Management, Usha Kiran Rai
5. B. S. Rathor - Export Marketing – Himalaya Publishing House

ADDITIONAL READINGS

1. Elements of International Economics – Giancarlo - Springar International Finance – gasdolfo – Springer
2. International Economies, Mundell , R.A Macmillan , New York
3. International Business Environment – Francis Cherunilam – Himalaya Publishing House
6. International Economic Problems – Leonark Gomes – Macmillan, London
7. Kumar Aseem, Export and Import Management, New Delhi, Excel Books, 2007.
8. https://www.dgft.gov.in/CP/

MAPPING OF COs WITH PSOs:

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9
CO 1	2	-	-	-	-	-	-		
CO 2	2	-	-	-	-	-	-	1	
CO 3	-	-	3	-	-	-	-	2	
CO 4		-	1	-	-	-	-	-	3
CO 5	-	2	-	-	-	-	-	2	
CO 6	-	-	-	-	-	-	3	3	

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CORRELATION LEVELS:

Level	Correlation
-	Nil
1	Slightly / Low
2	Moderate / Medium
3	Substantial / High

ASSESSMENT RUBRICS:

- Quiz / Assignment/ Viva Voce/ Discussion / Seminar
- Internal Exam
- Practical Assignments (20%)
- Final Exam (70%)

MAPPING OF COs TO ASSESSMENT RUBRICS:

	Internal Exam	Quiz / Assignment/ Viva Voce/ Discussion/ Seminar	Practical Assignment	End Semester Examination
CO 1	✔	✔		✔
CO 2	✔	✔		✔
CO 3	✔	✔		✔
CO 4	✔	✔		✔
CO 5	✔	✔		
CO 6			✔	

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Programme	B.A. Economics with Foreign Trade Honours				
Course Title	**ADVANCED MACROECONOMICS**				
Type of Course	**Major**				
Semester	VI				
Academic Level	300 - 399				
Course Details	Credit	Lecture per week	Tutorial per week	Practical per week	Total Hours
	4	4	-	-	60
Pre-requisites	Intermediate Macroeconomics course of 200 – 299 level				
Course Summary	This course explores important concepts, theories, models and other fundamental macro aspects of economics.				

COURSE OUTCOMES (CO):

CO	CO Statement	Cognitive Level*	Knowledge Category#	Evaluation Tools used
CO1	Understand the important concepts of economics and its real-world applications.	U	C	Instructor-created exams / Quiz
CO2	Develop and practice the skill of thinking like an economist.	Ap	P	Practical Assignment / Observation of Practical Skills
CO3	Help the student master the macroeconomic aspects essential for understanding the economic climate, specific economic issues, and policy alternatives.	AN	P	Seminar Presentation / Group Discussion
CO4	Apply the macroeconomic perspectives and reason accurately and objectively about economic matters.	EV	C	Instructor-created exams / Home Assignments
CO5	To make the students curious about the functioning of the economy and the power and breadth of economics	C	F	Writing assignments
CO6	Demonstrate critical thinking and problem-solving skills by applying the acquired knowledge to address complex economic challenges in the contemporary world.	Ap	P	Viva Voce
* - Remember (R), Understand (U), Apply (Ap), Analyse (An), Evaluate (E), Create (C) # - Factual Knowledge(F) Conceptual Knowledge (C) Procedural Knowledge (P) Metacognitive Knowledge (M)				

DETAILED SYLLABUS:

Module	Unit	Content	Hrs	Marks
I		**The Orthodox Monetarist School**	**11**	**16**
	1	The quantity theory of money approach,	2	
	2	The expectations-augmented Phillips curve analysis,	3	
	3	The monetary approach to balance of payments theory and exchange rate determination,	3	
	4	The orthodox monetarist school and stabilization policy	3	
II		**The New Classical School and the Real Business Cycle School**	**12**	**18**
	5	The structure of new classical models,	1	
	6	Equilibrium business cycle theory,	2	
	7	The policy implications of the new classical approach,	3	
	8	The real business cycle school: Real business cycle theory, The structure of a real business cycle model,	3	
	9	A real business cycle aggregate demand and supply model,	2	
	10	The policy implications of real business cycle theory	1	
III		**The New Keynesian School**	**10**	**15**
	11	The fall and rise of Keynesian economics, New Keynesian economics,	3	
	12	Core propositions and features of new Keynesian economics, Nominal rigidities,	2	
	13	Dornbusch's overshooting model,	2	
	14	Real rigidities,	1	
	15	New Keynesian business cycle theory, Policy implications	2	
IV		**The New Political Macroeconomics**	**15**	**21**
	16	Political distortions and macroeconomic performance, Political influences on policy choice,	2	
	17	The role of government, Politicians and stabilization policy,	2	
	18	Alternative approaches to the 'political business cycle': an Overview,	2	
	19	The Nordhaus opportunistic model, The Hibbs partisan model,	2	
	20	The decline and renaissance of opportunistic and partisan models, Rational political business cycles,	2	
	21	Rational partisan theory, Opportunistic and partisan behaviour: a synthesis,	2	
	22	Politics, time inconsistency, credibility and reputation, Policy implications of politico-economic models	3	
V		**Open Ended Module**	**12**	
	1	Consumer theories after Keynes		
	2	Investment Theories		
	3	Theories of demand for money and supply of money		

Note: The course is divided into five modules, with four modules together having total 22 fixed units and one open-ended module with a variable number of units. There are total 48 instructional hours for the fixed modules and 12 hours for the open-ended one. Internal assessments (30 marks) are split between the open-ended module (10 marks) and the fixed modules (20 marks). The final exam,

however, covers only the 22 units from the fixed modules. The 70 marks shown in the last column, distributed over the first four modules, are only for the external examination.

REFERENCE:

1. Brian Snowdon and Howard R. Vane (2005), Modern Macroeconomics: Its Origins, Development and Current State, Edward Elgar

ADDITIONAL READINGS

1. Goodwin, N., Harris, J. M., Nelson, J. A., Roach, B., & Torras, M. (2015b). Macroeconomics in context. Routledge.
2. Sikdar, S. (2020). Principles of macroeconomics. Oxford University Press.
3. Mankiw, N. G., Kneebone, R. D., & McKenzie, K. J. (2023). Principles of Macroeconomics, 9th Edition. Cengage Canada.
4. DeLorme, C. D., & Ekelund, R. B. (1983). Macroeconomics. Plano, Tex. : Business Publications.

MAPPING OF COs WITH PSOs:

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO 8	PSO 9
CO 1	3	1	-	-	-	-	-	-	-
CO 2	1	2	-	1	-	-	2	2	-
CO 3	3	-	-	1	-	-	-	2	-
CO 4	-	3	1	2	-	-	3	1	-
CO 5	3	-	-	-	-	-	2	1	-
CO 6	-	2	2	3	2	-	1	2	-

CORRELATION LEVELS:

Level	Correlation
-	Nil
1	Slightly / Low
2	Moderate / Medium
3	Substantial / High

ASSESSMENT RUBRICS:

- Quiz / Assignment/ Viva Voce/ Discussion / Seminar
- Internal Exam
- Practical Assignments (20%)
- Final Exam (70%)

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MAPPING OF COs TO ASSESSMENT RUBRICS:

	Internal Exam	Quiz / Assignment/ Viva Voce/ Discussion / Seminar	Practical Assignment	End Semester Examination
CO 1	✓	✓		✓
CO 2	✓		✓	✓
CO 3	✓	✓		✓
CO 4	✓	✓		✓
CO 5		✓	✓	
CO 6			✓	

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Programme	B.A. Economics with Foreign Trade Honours				
Course Title	**TIME SERIES ECONOMETRICS**				
Type of Course	**Major**				
Semester	VII				
Academic Level	400-499				
Course Details	Credit	Lecture per week	Tutorial per week	Practical per week	Total Hours
	4	3	-	2	75
Pre-requisites	Econometrics course of 300-399 level				
Course Summary	This course introduces students to the econometric methods using time series data to conduct empirical analysis in Economics. The course is designed to provide the students with the basic econometric techniques needed to undertake applied research projects using macroeconomic time series data.				

COURSE OUTCOMES (CO):

CO	CO Statement	Cognitive Level*	Knowledge Category#	Evaluation Tools used
CO1	To Understand the basic concepts of Time series Econometrics	R,U	C	Instructor-created exams / Quiz
CO2	To analyse dynamic econometric models	An	P	Instructor-created exams- Practical Assignment
CO3	To understand and evaluate the stochastic processes	E	P	Seminar Presentation / Quiz /Practical sessions
CO4	To analyse the models of stochastic processes	E	P	Instructor-created exams / Home Assignments
CO5	To understand the nature of financial time series and apply the models to measure volatility	Ap	F	Writing assignments
CO6	Forecasting using estimated models - Demonstrate econometric models and analysing skills by applying the acquired knowledge to address economic phenomena in the contemporary world.	C	P	Practical sessions/Viva Voce
* - Remember (R), Understand (U), Apply (Ap), Analyse (An), Evaluate (E), Create (C) # - Factual Knowledge(F) Conceptual Knowledge (C) Procedural Knowledge (P) Metacognitive Knowledge (M)				

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Module	Unit	Content	Hrs	Marks
I		**Dynamic Econometric Models**	**11**	**18**
	1	Role of Lags in Economics	1	
	2	Distributed Lag (DL) model, Autoregressive (AR) model and Autoregressive Distributed Lag (ARDL) model	2	
	3	The Koyck distributed lag model	2	
	4	Rationalisation of Koyck model (AE model)	2	
	5	Estimation of ARDL Model - Instrumental Variable Method	2	
	6	Almon Approach to Distributed lag model	2	
II		**Basic Concepts in Time Series Econometrics**	**16**	**22**
	7	Stochastic processes, Stationary processes, Purely random processes	1	
	8	Nonstationary stochastic processes – Random walk without drift, Random walk with drift	1	
		Unit root stochastic process, Integrated Process	2	
	9	Transforming nonstationary time series into stationary: Trend stationary process, Difference stationary stochastic processes	3	
	10	Tests of stationarity- ACF and correlogram,	2	
	11	Dickey Fuller and Augmented Dickey Fuller tests of stationarity	3	
	12	Cointegration, Cointegration Test, Error Correction Model	4	
III		**Modelling Stochastic Processes**	**12**	**18**
	13	AR, MA, ARMA and ARIMA models	2	
	14	The Box Jenkins methodology	3	
	15	Forecasting using estimated ARIMA model	1	
	16	Multivariate time series - VAR	1	
	17	Estimation of VAR and Forecasting with VAR	2	
	18	VAR and causality, Problems with VAR modelling	3	
IV		**Modelling Financial Time Series**	**6**	**12**
	19	Volatility Clustering in financial time series	1	
	20	ARCH model	2	
	21	GARCH model	1	
	22	Forecasting volatility in financial time series	2	
V		**Simultaneous Equation Models**	**30**	
		Examples for Simultaneous equation models- Simultaneous equation bias – Identification Problem- Estimation Approaches : Recursive model & OLS estimation, ILS, TSLS – Forecasting		

Note: The syllabus has five modules. There are 22 units in the first four modules composed of the theory topics. There are 45 instructional hours for the first four modules and 30 hrs for the final one. Module V is an open module designed to equip students to analyse simultaneous equations in macroeconomic models. The 10 marks for the evaluation will be based on Module V. The end-semester examination will be based on the 22 units in the first four modules.

REFERENCE:

1. Damodar N Gujarati, Dawn C Porter, Sangeetha Gunasekar (2012): Basic Econometrics (fifth edition) McGrawHill (Module I,II,III,IV,V)

2. Damodar N Gujarati and Dawn C Porter (2009): Basic Econometrics- Fifth Edition, McGraw Hill International Edition (Module I,II,III)

3. Gujarati, D. (2014). Econometrics by example, 2nd ed. Palgrave Macmillan. (Module II,III,IV)

4. A Koutsoyiannis (1977): Theory of Econometrics- An introductory exposition of Econometric Methods, 2nd Edition, Palgrave

5. Jack Johnston, John Dinardo, Econometric Methods, McGraw Hill International Edition (Modules I, III,IV)

ADDITIONAL READINGS

1. Dougherty, C. (2011). Introduction to econometrics, 4th ed. Oxford University Press.

2. Gujarati, D., Porter, D. (2010). Essentials of econometrics, 4th ed. McGrawHill.

3. Kmenta, J. (2008). Elements of econometrics. Khosla Publishing House.

4. Maddala, G., Lahiri, K. (2009). Introduction to econometrics, 4th ed. Wiley.

5. Wooldridge, J. (2014). Introduction to econometrics: A modern approach, 5th ed. Cengage Learning.

6. Lawrence R Klein (1975), A Text Book of Econometrics, Fourth Edition, Prentice Hall, Inc,Englewood cliffs, NJ, USA

7. James H Stock and Mark W Watson (2008): Introduction to Econometrics- Pearson, Addison Wesley.

8. Christopher Dougherty (2007): Introduction to Econometrics, Third Edition, Oxford University Press.

9. Robert S Pyndick and Daniel L Rubinfeld (1998): Econometric Models and Economic Forecasts- Fourth Edition, McGraw Hill International Edition

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MAPPING OF COs WITH PSOs:

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9
CO 1	3	-	-	-	-	-	-	-	-
CO 2	-	2	-	3	-	-	2		
CO 3	-	-	-	-	-	-	2	2	3
CO 4	-	-	-	-	-	-	2	2	3
CO 5	-	-	-	2	-	-	3	3	3
CO 6	-	-	-	2	-	-	3	3	3

CORRELATION LEVELS:

Level	Correlation
-	Nil
1	Slightly / Low
2	Moderate / Medium
3	Substantial / High

ASSESSMENT RUBRICS:

- Quiz / Assignment/ Viva Voce/ Discussion / Seminar
- Internal Exam
- Practical Assignments (20%)
- Final Exam (70%)

MAPPING OF COs TO ASSESSMENT RUBRICS:

	Internal Exam	Quiz / Assignment/ Viva Voce/ Discussion / Seminar	Practical Assignment	End Semester Examination
CO 1	✓	✓		✓
CO 2	✓	✓	✓	✓
CO 3	✓	✓	✓	✓
CO 4	✓	✓		✓
CO 5	✓	✓		✓
CO 6	✓	✓	✓	

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Programme	B.A. Economics with Foreign Trade Honours				
Course Title	**GAME THEORY AND ECONOMIC BEHAVIOUR**				
Type of Course	**Major**				
Semester	VII				
Academic Level	400 - 499				
Course Details	Credit	Lecture per week	Tutorial per week	Practical per week	Total Hours
	4	3	-	2	75
Pre-requisites	Advanced Microeconomics course of 300 – 399 level				
Course Summary	The expected outcome is for students to gain a comprehensive understanding of game theory principles and their application in economics, fostering strong analytical, problem-solving, and policy evaluation skills essential for tackling real-world economic challenges.				

COURSE OUTCOMES (CO):

CO	CO Statement	Cognitive Level*	Knowledge Category#	Evaluation Tools used
CO1	Understand the theory of games	U	C	Instructor-created exams / Quiz
CO2	Analyze the decision making under interdependent situations	An	P	Practical Assignment
CO3	Evaluate different strategies	E	P	Seminar Presentation
CO4	Can predict the optimal strategies of players and how the players can exploit strategic situations for their benefit	Ap	P	Instructor-created exams / Home Assignments
CO5	The students can understand how to formulate different real-life situations as games	Ap	P	Viva
* - Remember (R), Understand (U), Apply (Ap), Analyse (An), Evaluate (E), Create (C)				
# - Factual Knowledge(F) Conceptual Knowledge (C) Procedural Knowledge (P) Metacognitive Knowledge (M)				

DETAILED SYLLABUS:

Module	Unit	Content	Hrs	Marks
I		**Introduction to Game Theory**	**5**	**8**
	1	What is game theory?	1	
	2	History of game theory	1	
	3	Theory of rational choice	2	
	4	Interacting decision makers	1	
II		**Strategic Games and Nash Equilibrium**	**14**	**22**
	5	Strategic games: examples	3	
	6	Nash equilibrium: concept and examples	2	
	7	Best response functions	2	
	8	Dominated Actions	2	

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	9	Symmetric games and symmetric equilibria	2	
	10	Illustrations of Nash equilibrium-Cournot and Bertrand's model of duopoly market	3	
III		**Mixed Strategy Equilibrium**	**15**	**23**
	11	Introduction	2	
	12	Strategic games with randomisation	2	
	13	Mixed strategy Nash equilibrium: concept and examples	2	
	14	Dominated Actions	2	
	15	Pure equilibria when randomization is allowed	3	
	16	Equilibrium in a single population	2	
	17	Formation of Players' beliefs	2	
IV		**Extensive Games with perfect information**	**11**	**17**
	18	Introduction to extensive games	2	
	19	Strategies and outcomes	2	
	20	Nash equilibrium- Subgame perfect Nash equilibrium	2	
	21	Backward induction	2	
	22	Illustrations of Extensive Games and Nash Equilibrium-Stackelberg model of duopoly markets	3	
V		**Open Ended Module**	**30**	
	1	Seminar on other examples like ; *Bach or Stravinsky, Matching Pennies* the *Stag Hunt* etc		
	2	Discussion on the importance of game theory in modern economy		
	3	Exercises- saddle point		

Note: The syllabus has five modules. There should be total 22 units in the first four modules together, composed of the theory topics. The number of units in the last module can vary. There are 45 instructional hours for the first four modules and 30 hrs for the final one. Module V is designed to equip students with practical skills. The 20 marks for the evaluation of practical will be based on Module V. Internal assessments (30 marks) are split between the practical module (20 marks) and the first four modules (10 marks). The end-semester examination for the theory part will be based on the 22 units in the first four modules. The 70 marks shown in the last column, distributed over the first four modules, are only for the external examination.

REFERENCE

1. Osborne, Martin J. *An introduction to game theory*. Vol. 3. No. 3. New York: Oxford university press, 2004.

ADDITIONAL READINGS

1. Gibbons, Robert. "An introduction to applicable game theory." *Journal of Economic Perspectives* 11.1 (1997): 127-149.

2. Gibbons, Robert, and Robert Gibbons. "A primer in game theory." (1992).

3. Fudenberg, Drew, and Jean Tirole. *Game theory*. MIT press, 1991.

4. Pindyck, Robert S. *Microeconomics*. 2018.

MAPPING OF COs WITH PSOs:

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9
CO 1	3	2	-	-	1	-	-	-	-
CO 2	-	-	2	3	-	-	-	-	-
CO 3	-	-	2	1	2	-	-	-	-
CO 4	-	-	-	-	-	-	3	-	2
CO 5	-	-	-	-	-	-	-	3	2

CORRELATION LEVELS:

Level	Correlation
-	Nil
1	Slightly / Low
2	Moderate / Medium
3	Substantial / High

ASSESSMENT RUBRICS:

- Quiz / Assignment/ Viva Voce/ Discussion / Seminar /Survey
- Internal Exam
- Practical Assignments
- Final Exam (70%)

MAPPING OF COs TO ASSESSMENT RUBRICS:

	Internal Exam	Quiz / Assignment/ Viva Voce/ Discussion / Seminar	Practical Assignment	End Semester Examination
CO 1	✓	✓		✓
CO 2	✓	✓	✓	✓
CO 3	✓	✓		✓
CO 4	✓	✓	✓	✓
CO 5		✓	✓	

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Programme	B.A. Economics with Foreign Trade Honours
Course Title	**DEVELOPMENT THEORIES AND MODELS**
Type of Course	**Major**
Semester	VII
Academic Level	400 - 499

Course Details	Credit	Lecture per week	Tutorial per week	Practical per week	Total Hours
	4	3	-	2	75

Pre-requisites	Microeconomics and Macroeconomics course of 200 – 299 level
Course Summary	To understand the theoretical aspects of development and the factors influencing it.

COURSE OUTCOMES (CO):

CO	CO Statement	Cognitive Level*	Knowledge Category#	Evaluation Tools used
CO1	Understand the process of economic development	U	C	Instructor-created exams / Quiz
CO2	Analyze the theoretical aspects of development	An	P	Practical Assignment
CO3	Evaluate various development theories	Ap	F	Seminar Presentation
CO4	Apply the theoretical knowledge into understanding the development process	Ap	C	Instructor-created exams / Home Assignments
CO5	Create complete understanding of the development process	U	F	Viva

* - Remember (R), Understand (U), Apply (Ap), Analyse (An), Evaluate (E), Create (C)

\# - Factual Knowledge(F) Conceptual Knowledge (C) Procedural Knowledge (P) Metacognitive Knowledge (M)

DETAILED SYLLABUS:

Module	Unit	Content	Hrs	Marks
I		**The Concept of Economic Development**	**10**	**15**
	1	Development and underdevelopment	1	
	2	Development gap	1	
	3	Measurement of poverty	2	
	4	Views of Amartya Sen	2	
	5	Capability approach	1	
	6	Development and institutions	2	
	7	Human capital with reference to gender gap in development process	1	
II		**Theories of Development**	**16**	**26**
	8	Rostow's stages of growth	2	
	9	Kaldor's six characteristics of growth	2	
	10	Structural change model – Prebish-Singer model, Lewis	4	
	11	Dependency theories – Emmanuel dualism	3	
	12	False Paradigm	1	

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	13	Dualism-financial, technical and social Jorgenson's theory of dual economy	2	
	14	Jorgenson's theory of dual economy	2	
III		**Contemporary Development Theories**	**10**	**15**
	15	Big push theory	2	
	16	Underdevelopment as coordination failure	1	
	17	Multiple equilibria	3	
	18	O ring theory	1	
	19	Leibenstein's Theory of Critical Minimum Efforts	3	
IV		**Regional Development Models**	**9**	**14**
	20	Growth Pole theory – Francois Perroux	3	
	21	Gunnar Myrdal- Theory of cumulative causation	3	
	22	Friedman- Core Periphery theory	3	
V		**Open Ended Module**	**30**	
		Discussion Developing experience of third world economies		
		Practical Assignments Study about the relevance of theories in explaining the development experience of third world countries		
		Seminar present the student's understanding of development indicators using a particular economy's experience.		

Note: The syllabus has five modules. There should be total 22 units in the first four modules together, composed of the theory topics. The number of units in the last module can vary. There are 45 instructional hours for the first four modules and 30 hrs for the final one. Module V is designed to equip students with practical skills. The 20 marks for the evaluation of practical will be based on Module V. Internal assessments (30 marks) are split between the practical module (20 marks) and the first four modules (10 marks). The end-semester examination for the theory part will be based on the 22 units in the first four modules. The 70 marks shown in the last column, distributed over the first four modules, are only for the external examination.

REFERENCE:

1. Thirlwall A.P, Economics of Development, Macmillan; 9th edition (1 December 2011

ADDITIONAL READINGS

1. Debraj Ray, Development Economics, Oxford University Press, 2009
2. Misra & Puri, Economics of Development and Planning, Himalaya Publishing House, Mumbai, 2016.
3. Todaro and Smith, Economic Development, Pearson Education India; 10th edition 2011

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Mapping of COs with PSOs:

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9
CO 1	3	-	-	-	-	-	-		2
CO 2	-	-	-	1	-	-	-	3	-
CO 3	-	-	-	3		-	-	3	-
CO 4	-	3	1	2	-	-	3	3	2
CO 5	3	-	-	-	-	-	-		2

Correlation Levels:

Level	Correlation
-	Nil
1	Slightly / Low
2	Moderate / Medium
3	Substantial / High

Assessment Rubrics:

- Quiz / Assignment/ Viva Voce/ Discussion / Seminar
- Internal Exam
- Practical Assignments (20%)
- Final Exam (70%)

Mapping of COs to Assessment Rubrics:

	Internal Exam	Quiz / Assignment/ Viva Voce/ Discussion / Seminar	Practical Assignment	End Semester Examination
CO 1	✓	✓		✓
CO 2	✓		✓	✓
CO 3	✓	✓		✓
CO 4	✓	✓		✓
CO 5	✓	✓	✓	✓

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Programme	B.A. Economics with Foreign Trade Honours				
Course Title	**BALANCE OF PAYMENTS AND EXCHANGE MARKET**				
Type of Course	**Major**				
Semester	VII				
Academic Level	400 - 499				
Course Details	Credit	Lecture per week	Tutorial per week	Practical per week	Total Hours
	4	3	-	2	75
Pre-requisites	Microeconomics and Macroeconomics course of 200 – 299 level				
Course Summary	This course explores the important principles and theories of balance of payment, foreign exchange transactions and working of current International Monetary system. It also explores the foreign exchange management in Indian context .				

COURSE OUTCOMES (CO):

CO	CO Statement	Cognitive Level*	Knowledge Category#	Evaluation Tools used
CO1	Understand the concepts in BoP and foreign Exchange	U	C	Instructor-created exams / Quiz
CO2	Analyze the various approaches of Balance of payment and theories of Exchange Rate determination	An	P	Practical Assignment
CO3	Evaluate the process of foreign exchange transactions and management	Ap	F	Seminar Presentation / Group Discussion
CO4	Apply the theoretical knowledge to current international Monetary system	Ap	C	Instructor-created exams / Home Assignments
CO5	Create complete understanding of the BoP and forex Management in India.	U	F	Viva
* - Remember (R), Understand (U), Apply (Ap), Analyse (An), Evaluate (E), Create (C) # - Factual Knowledge(F) Conceptual Knowledge (C) Procedural Knowledge (P) Metacognitive Knowledge (M)				

DETAILED SYLLABUS:

Module	Unit	Content	Hrs	Marks
I		**Balance of Payment and Balance of Trade**	**10**	**15**
	1	Balance of trade & Balance of Payment: Accounts in BOP	2	
	2	Equilibrium and Disequilibrium is BoP and Measures to correct BoP	3	
	3	Marshall Lerner Condition, J curve effect and Absorption approach	3	
	4	Foreign Trade Multiplier	2	
II		**Foreign Exchange Rate**	**11**	**17**
	5	Evolution and Functions of foreign exchange market	2	
	6	Theories of Exchange Rate Determination-Mint Parity, Purchasing Power Parity and Balance of Payment theory	2	
	7	Exchange Rate systems - fixed, flexible and Managed Floating	2	
	8	Different Types of Transactions in foreign Exchange Market	2	
	9	IMF and International Liquidity management.	3	
III		**Approaches to Balance of Payment and Exchange Rate**	**15**	**24**
	10	Monetary Approach to Balance of Payment	2	
	11	Portfolio Balance Approach	2	
	12	Exchange Rate overshooting	1	
	13	Internal and External Balance - Swan model	2	
	14	IS- L M- BP Model	2	
	15	Currency substitution Model	2	
	16	Exchange rate volatility	2	
	17	Redux and Target zone Models	2	
IV		**Balance of payment and Forex Management in India**	**9**	**14**
	18	Direction and composition of Balance of payments in India	2	
	19	BOP crisis in India	2	
	20	Currency Convertibility	1	
	21	Exchange control Measures in India	2	
	22	Foreign Exchange Management in India- Fiscal, monetary and trade policy.	2	
V		**Open Ended Module**	**30**	
		Discussion - International Monetary System –Present and Future		
		Practical Assignments 1) Study about the recent trends of balance of payments in developing countries with special reference to India. OR 2) Compare and contrast BoP Account Statement of India and USA.		
		Seminar Discuss the role of IMF as a global financial controller.		

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Note: The syllabus has five modules. There should be total 22 units in the first four modules together, composed of the theory topics. The number of units in the last module can vary. There are 45 instructional hours for the first four modules and 30 hrs for the final one. Module V is designed to equip students with practical skills. The 20 marks for the evaluation of practical will be based on Module V. Internal assessments (30 marks) are split between the practical module (20 marks) and the first four modules (10 marks). The end-semester examination for the theory part will be based on the 22 units in the first four modules. The 70 marks shown in the last column, distributed over the first four modules, are only for the external examination.

REFERENCE:

1. Dominick Salvatore (2014) International Economics Trade and Finance – Eleventh Edition Wiley (Module I,Il & Ill)

ADDITIONAL READINGS

1. Sodersten , Bo and Geoffrey Reed , *International Economics* .Macmillan Education Ltd 1998.
2. Gandolfo (2002), *International Finance and Open economy Macroeconomics* ,Springer ,Tokyo.
3. Pilbeam ,Keith(2006) ,*International Finance* ,Palgrave McMillan New York (Module III)
4. Grath. A(2008*), International Trade and Finance*, London
5. Kindleberger, C.P,*International Economics*, R.D. Irwin, Homewood
6. Bhagwati, J.N(Ed), *International Trade: Selected Readings*, MIT press, 1987.

MAPPING OF COs WITH PSOs:

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9
CO 1	3	-	-	-	-	-	-	-	-
CO 2	-	3	-	2	2	-	2	3	3
CO 3			-	2	-		-		2
CO 4	-		1	2	3		3	3	2
CO 5	3	-	-	-	3		2	-	2

CORRELATION LEVELS:

Level	Correlation
-	Nil
1	Slightly / Low
2	Moderate / Medium
3	Substantial / High

ASSESSMENT RUBRICS:

- Quiz / Assignment/ Viva Voce/ Discussion / Seminar
- Internal Exam
- Practical Assignments (20%)
- Final Exam (70%)

MAPPING OF COs TO ASSESSMENT RUBRICS:

	Internal Exam	Quiz / Assignment/ Viva Voce/ Discussion / Seminar	Practical Assignment	End Semester Examination
CO 1	✓	✓		✓
CO 2	✓	✓	✓	✓
CO 3	✓	✓	✓	✓
CO 4	✓	✓	✓	✓
CO 5	✓	✓	✓	

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Programme	B.A. Economics with Foreign Trade Honours				
Course Title	**DEVELOPMENT ISSUES IN KERALA**				
Type of Course	**Major**				
Semester	VII				
Academic Level	400 - 499				
Course Details	Credit	Lecture per week	Tutorial per week	Practical per week	Total Hours
	4	3	-	2	75
Pre-requisites	Economics course of 200 – 299 level				
Course Summary	The course covers developmental experiences of Kerala, Demography, Human Development and Social Inclusion, Population and Human Development, Development Issues, state finance and planning. It also covers assignment on identification of data base on Kerala Economy and discussion regarding the Economic Review and the State Budgets and Prepare reports based on discussions.				

COURSE OUTCOMES (CO):

CO	CO Statement	Cognitive Level*	Knowledge Category#	Evaluation Tools used
CO1	To understand the developmental experiences of Kerala Economy.	U	F	Instructor-created exams / Discussions/ Quiz
CO2	To examine the population changes, Human Development and Inclusive growth in Kerala	E	F	Instructor-created exams/ Discussions/Quiz
CO3	To understand and examine the major development issues of Kerala.	E	P	Instructor-created exams/ Seminar Presentation / Discussion/Quiz
CO4	To evaluate state finances and planning in Kerala and enable them to be a part of policy implementation.	E	P	Instructor-created exams / Group Discussion/ Assignments/ Quiz
CO5	To understand data base on Kerala Economy, conduct a discussion and prepare reports	U	F	Group Discussion/ Viva Voce
* - Remember (R), Understand (U), Apply (Ap), Analyse (An), Evaluate (E), Create (C) # - Factual Knowledge(F) Conceptual Knowledge (C) Procedural Knowledge (P) Metacognitive Knowledge (M)				

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DETAILED SYLLABUS:

Module	Unit	Content	Hrs	Marks
I		**Development Experiences of Kerala**	**10**	**15**
	1	Economic Growth in Kerala	2	
	2	Structural Transformation in Kerala	2	
	3	Sectoral performance and Development of Infrastructure in Kerala	2	
	4	Kerala Model of Development	2	
	5	Rebuild Kerala Initiative	2	
II		**Demography, Human Development and Social Inclusion**	**14**	**22**
	6	Changing Demographic Profile in Kerala	2	
	7	Labour, Employment and Skill Development	2	
	8	Migration: Types, Causes, Trends and Impacts	2	
	9	Urbanization: Causes, Trends and Challenges	2	
	10	Education and Health	2	
	11	Gender and Development	2	
	12	Social Security Measures in Kerala	2	
III		**Development Issues of Kerala Economy**	**11**	**18**
	12	Unemployment: Causes, Trend and Consequences	2	
	13	Growth of Informal Sector in Kerala	2	
	14	Greying Population: Trend, Concern and Challenges	2	
	15	Banking and Tourism	2	
	16	External Sector in Kerala: External Trade- Pattern and Trend.	3	
IV		**State Finance and Planning**	**10**	**15**
	18	Financial Indicators of State Government	2	
	19	Fiscal Deficit and Public Debt	2	
	20	People's Plan Campaign and Decentralized Planning	2	
	21	Fiscal Decentralization: Achievements and Challenges in Kerala	2	
	22	Inclusive Growth in Kerala	2	
V		**Open Ended Module** **Suggested Exercises (Arrange any two appropriately)**	**30**	
	1	Assignment on identification of data base on Kerala Economy and interpretation of the given data		
	2	Conduct a discussion regarding the Economic Review and the State Budgets and ensure a debate/quiz related to the various budgets		
	3	Prepare reports based on discussions		

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Note: The syllabus has five modules. There should be total 22 units in the first four modules together, composed of the theory topics. The number of units in the last module can vary. There are 45 instructional hours for the first four modules and 30 hrs for the final one. Module V is designed to equip students with practical skills. The 20 marks for the evaluation of practical will be based on Module V. Internal assessments (30 marks) are split between the practical module (20 marks) and the first four modules (10 marks). The end-semester examination for the theory part will be based on the 22 units in the first four modules. The 70 marks shown in the last column, distributed over the first four modules, are only for the external examination.

REFERENCES:

1. Oommen, M.A. (1999) Rethinking Development: Kerala's Development Experience, Concept, New Delhi.
2. Prakash, B.A. (2004) Kerala's Economic Development: Performance and Prospects in the Post Liberalisation Period, Sage Publications, New Delhi.
3. Mani, Sunil (2020) Kerala and the World Economy, Centre for Development Studies (Under the aegis of Govt. Of Kerala & Indian Council of Social Science Research), Thiruvananthapuram.
4. Zachariah K.C & Irudaya Rajan.S (2013) Diaspora in Kerala's Development, Daanish Books,
5. Prakash, B.A.&Jerry Alwin (2018) Kerala's Economic Development: Emerging Issues and Challenges, Sage Publications, New Delhi
6. Sundar Ramanathaiyer & Stewart Macpherson (2000) Social Development in Kerala: Illusion and Reality? Ashgate Publishing, UK.
7. State Urbanization Report 2012.
8. Kerala Migration Survey Report 2018
9. Kerala Development Report 2021
10. Kerala Economic Review for various years.

MAPPING OF COS WITH PSOS:

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9
CO 1	1	-	-	-	-	-	3	-	-
CO 2	-	2	-	-	-	-	3	-	-
CO 3	-	2	-	-	-	-	3	-	-
CO 4	1	2	-	-	-	-	3	-	-
CO 5	1	-	-	-	-	-	3	-	-

CORRELATION LEVELS:

Level	Correlation
-	Nil
1	Slightly / Low
2	Moderate / Medium
3	Substantial / High

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ASSESSMENT RUBRICS:

- Quiz / Assignment/ Viva Voce/ Discussion / Seminar
- Internal Exam
- Practical Assignments (20%)
- Final Exam (70%)

MAPPING OF COs TO ASSESSMENT RUBRICS:

	Internal Exam	Quiz / Assignment/ Viva Voce/ Discussion / Seminar	Practical Assignment	End Semester Examination
CO 1	✓	✓		✓
CO 2	✓	✓		✓
CO 3	✓	✓		✓
CO 4	✓	✓		✓
CO 5		✓		

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Programme	B.A. Economics with Foreign Trade Honours				
Course Title	**MACROECONOMIC MODELS AND MEASUREMENT**				
Type of Course	**Major**				
Semester	VIII				
Academic Level	400 - 499				
Course Details	Credit	Lecture per week	Tutorial per week	Practical per week	Total Hours
	4	3	-	2	75
Pre-requisites	Macroeconomics Course of level 300 – 399				
Course Summary	This course is a modern approach to macroeconomics by building macroeconomic models from microeconomic principles, consistent with the way that macroeconomic research is conducted today.				

COURSE OUTCOMES (CO):

CO	CO Statement	Cognitive Level*	Knowledge Category#	Evaluation Tools used
CO1	Allows deeper insights into economic growth processes and business cycles.	U	C	Instructor-created exams / Quiz
CO2	Integrates the study of macroeconomics with approaches in courses in microeconomics and in field courses in economics	Ap	P	Seminar Presentation / Group Discussion
CO3	Develop a comprehensive and broad perspective of what macroeconomic theory is today	U	P	Seminar Presentation / Group Discussion
CO4	Apply macroeconomic models and tools in specific contexts and to particular problems	E	P	Instructor-created exams / Home Assignments
CO5	Construct models suitable for specific contexts	C	F	Practical Assignment / Observation of Practical Skills
* - Remember (R), Understand (U), Apply (Ap), Analyse (An), Evaluate (E), Create (C) # - Factual Knowledge(F) Conceptual Knowledge (C) Procedural Knowledge (P) Metacognitive Knowledge (M)				

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DETAILED SYLLABUS:

Module	Unit	Content	Hrs	Marks
I		**Measurement Issues in Macroeconomics**	**13**	**20**
	1	Macroeconomic Models	2	
	2	Microeconomics Principles behind Macroeconomic Models	2	
	3	Disagreements in Macroeconomics	2	
	4	What do we learn from Macroeconomic Analysis	2	
	5	**Labour Market measurement**: unemployment rate, participation rate, employment/population ratio	2	
	6	**Business cycle measurement**: Regularities in GDP Fluctuations, Co-movement among economic time series, co-movements between the price level and real GDP and between the inflation rate and real GDP, co-movements among labor market variables and real GDP	3	
II		**Closed Economy One Period Macroeconomic Model**	**12**	**18**
	7	Competitive equilibrium	2	
	8	Optimality	2	
	9	Sources of social inefficiency	2	
	10	Effects of change in government purchases	2	
	11	Effects of change in total factor productivity	2	
	12	Effects of a distorting labour income tax	2	
III		**Two Period Model of Consumption-Savings Decision**	**11**	**18**
	13	Two Period Model of the Economy	2	
	14	The Consumer's Lifetime Budget Constraint	1	
	15	The Consumer's Preferences	1	
	16	Consumer Optimization	1	
	17	How the consumer responds to changes in his or her current income, future income, and the market real interest rate	2	
	18	Competitive equilibrium	2	
	19	The Ricardian Equivalence Theorem	2	
IV		**Money, Banking, Prices and Monetary Policy**	**9**	**14**
	20	Monetary Intertemporal Model – Fisher relation – Competitive equilibrium	3	
	21	Money neutrality in the monetary intertemporal model.	3	
	22	Conventional Monetary Policy, the Liquidity Trap, and Unconventional Monetary Policy	3	
V		**Construction of Macroeconomic Models with reference to Indian Economy**	**30**	
		Practical assignments to measure labour market related concepts in India		
		Presentation of macroeconomic model constructed in Indian		

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	context		
	Group discussions on social inefficiency		
	Debate: Conventional Vs Unconventional Monetary Policy		

Note: The syllabus has five modules. There should be total 22 units in the first four modules together, composed of the theory topics. The number of units in the last module can vary. There are 45 instructional hours for the first four modules and 30 hrs for the final one. Module V is designed to equip students with practical skills. The 20 marks for the evaluation of practical will be based on Module V. Internal assessments (30 marks) are split between the practical module (20 marks) and the first four modules (10 marks). The end-semester examination for the theory part will be based on the 22 units in the first four modules. The 70 marks shown in the last column, distributed over the first four modules, are only for the external examination.

REFERENCE:

1. Williamson, S. D. (2017). *Macroeconomics,* Global Edition. Pearson Higher Ed. (All modules)

ADDITIONAL READINGS

1. Romer, D. (2019). *Advanced Macroeconomics*. McGraw-Hill/Irwin.

2. Hoover, K. D. (2012). *Applied Intermediate Macroeconomics*. Cambridge University Press.

3. Ljungqvist, L., & Sargent, T. J. (2018). *Recursive Macroeconomic Theory, fourth edition*. MIT Press.

MAPPING OF COs WITH PSOs:

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9
CO 1	3	-	-	-	-	-	-	-	-
CO 2	-	-	-	-	-	-	3	2	-
CO 3	-	-	-	-	-	-	2	3	-
CO 4	-	-	1	-	-	-	2	3	-
CO 5	-	-	-	-	-	-	1	2	3

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CORRELATION LEVELS:

Level	Correlation
-	Nil
1	Slightly / Low
2	Moderate / Medium
3	Substantial / High

ASSESSMENT RUBRICS:

- Quiz / Assignment/ Viva Voce/ Discussion / Seminar
- Internal Exam
- Practical Assignments
- Final Exam (70%)

MAPPING OF COs TO ASSESSMENT RUBRICS:

	Internal Exam	Quiz / Assignment/ Viva Voce/ Discussion / Seminar	Practical Assignment	End Semester Examination
CO 1	✓	✓		✓
CO 2	✓	✓		✓
CO 3	✓	✓		✓
CO 4	✓	✓		✓
CO 5		✓	✓	

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Programme	B.A. Economics with Foreign Trade Honours				
Course Title	**APPLIED MICROECONOMICS AND EVALUATION**				
Type of Course	**Major**				
Semester	VIII				
Academic Level	400 - 499				
Course Details	Credit	Lecture per week	Tutorial per week	Practical per week	Total Hours
	4	4	-	-	60
Pre-requisites	Microeconomics course of 300 – 399 level				
Course Summary	This course provides different aspects of microeconomic analysis while emphasizing real-world economic problems and incorporating coverage of the most innovative subjects in the discipline.				

COURSE OUTCOMES (CO):

CO	CO Statement	Cognitive Level*	Knowledge Category#	Evaluation Tools used
CO1	Understand mechanism of market	U	F	Instructor-created exams / Quiz
CO2	Analyse the market situation when externality is present	An	P	Instructor-created exams / Quiz
CO3	Evaluate market working with asymmetric information	E	P	Seminar Presentation / Group Discussion
CO4	Apply economic theory to solve welfare maximization problems and for fair allocation	Ap	P	Instructor-created exams / Home Assignments/Viva-voce
CO5	Create a model for depicting the real nature of welfare of society	C	M	Practical Assignment / Observation of Practical Skills
* - Remember (R), Understand (U), Apply (Ap), Analyse (An), Evaluate (E), Create (C) # - Factual Knowledge(F) Conceptual Knowledge (C) Procedural Knowledge (P) Metacognitive Knowledge (M)				

Module	Unit	Content	Hrs	Marks
I		**Exchange**	**18**	**25**
	1	Market Trade	2	
	2	The Algebra of Equilibrium	2	
	3	Walras' Law	2	
	4	Relative Prices	2	
	5	The Existence of Equilibrium	2	
	6	Equilibrium and Efficiency	2	
	7	The Algebra of Efficiency	2	
	8	Implications of the First Welfare Theorem	2	
	9	Implications of the Second Welfare Theorem	2	
II		**Welfare**	**10**	**15**
	10	Aggregation of Preferences	2	
	11	Social Welfare Functions	2	
	12	Welfare Maximization	2	
	13	Individualistic Social Welfare Functions	2	
	14	Fair Allocations, Envy and Equity	2	
III		**Externalities**	**10**	**15**
	15	Quasilinear Preferences and the Coase Theorem	3	
	16	Production Externalities	3	
	17	Market Signals	2	
	18	The Tragedy of the Commons	2	
IV		**Asymmetric Information**	**10**	**15**
	19	The Market for Lemons, Quality Choice, Adverse Selection	4	
	20	Moral Hazard, Moral Hazard and Adverse Selection	3	
	21	Signalling	2	
	22	Incentives	1	
V		**Application of Microeconomic Theories in India**	**12**	
		Discussion based on welfare effects of pollution and environmental degradation in India		
		Practical Assignments on calculation of producer and consumer welfare in a given market		
		Seminar on how changes in policy alter the market equilibrium and impact social welfare		

Note: The course is divided into five modules, with four modules together having total 22 fixed units and one open-ended module with a variable number of units. There are total 48 instructional hours for the fixed modules and 12 hours for the open-ended one. Internal assessments (30 marks) are split between the open-ended module (10 marks) and the fixed modules (20 marks). The final exam, however, covers only the 22 units from the fixed modules. The 70 marks shown in the last column, distributed over the first four modules, are only for the external examination.

REFERENCE:

1. Varian, H. R. (2014). Intermediate Microeconomics with Calculus: A Modern Approach: International Student Edition. W. W. Norton & Company. (All modules)

115

ADDITIONAL READINGS
1. Mas-Colell, A., Whinston, M. D., & Green, J. R. (2018). Microeconomic Theory.
2. Munoz-Garcia, F. (2017). Advanced Microeconomic Theory: An Intuitive Approach with Examples. MIT Press.
3. Schotter, A. (2009). Microeconomics: A Modern Approach.

MAPPING OF COs WITH PSOs:

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9
CO 1	3	-	-	-	-	-	-	-	-
CO 2	-	-	-	-	-	-	3	2	-
CO 3	-	-	-	-	-	-	2	3	-
CO 4	-	-	-	-	-	-	3	-	-
CO 5	-	-	-	-	-	-	-	-	3

CORRELATION LEVELS:

Level	Correlation
-	Nil
1	Slightly / Low
2	Moderate / Medium
3	Substantial / High

ASSESSMENT RUBRICS:

- Quiz / Assignment/ Viva Voce/ Discussion / Seminar
- Internal Exam
- Practical Assignments (20%)
- Final Exam (70%)

MAPPING OF COs TO ASSESSMENT RUBRICS:

	Internal Exam	Quiz / Assignment/ Viva Voce/ Discussion / Seminar	Practical Assignment	End Semester Examination
CO 1	✓	✓		✓
CO 2	✓	✓		✓
CO 3	✓	✓		✓
CO 4	✓	✓		✓
CO 5			✓	

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Programme	B.A. Economics with Foreign Trade Honours				
Course Title	**HETERODOX ECONOMICS**				
Type of Course	**Major**				
Semester	VIII				
Academic Level	400 – 499				
Course Details	Credit	Lecture per week	Tutorial per week	Practical per week	Total Hours
	4	4	-	-	60
Pre-requisites	Advanced economic course on Microeconomics, Macroeconomics and Development Economics of 300 – 399 level				
Course Summary	This course intends to provide an alternative perception to the economic theories, principles and concepts.				

COURSE OUTCOMES (CO):

CO	CO Statement	Cognitive Level*	Knowledge Category#	Evaluation Tools used
CO1	To understand the alternative approach to economics	U	C	Instructor-created exams / Practical Assignment
CO2	Understand the various theories of value and the heterodox theories of distribution.	U	C	Assignments / Quiz
CO3	To discern the micro-macro links from the perspective of heterodox economics.	Ap	P	Observation of Practical Skills / Group Discussion
CO4	To view aggregation problems from a different perspective and redefine welfare accordingly	Ap	P	Observation of Practical Skills / Home Assignments
CO5	Use systemist framework to evaluate real-world economic problems and issues.	E	P	Group Discussion / Instructor-created exams
CO6	To explore feminist, ecological and radical discourses.	E	P	Group Discussion / Practical Assignment Viva Voce
* - Remember (R), Understand (U), Apply (Ap), Analyse (An), Evaluate (E), Create (C) # - Factual Knowledge(F) Conceptual Knowledge (C) Procedural Knowledge (P) Metacognitive Knowledge (M)				

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DETAILED SYLLABUS:

Module	Unit	Content	Hrs	Marks
I		**A Heterodox View of the Economy**	**8**	**12**
	1	What is heterodox economics?	1	
	2	Evolution of heterodox economics	2	
	3	From classical political economy to neoclassical economics	1	
	4	From classical political economy to heterodox economics	1	
	5	Heterodox economic theory and the social provisioning process.	3	
II		**Heterodox Theories of Value**	**10**	**14**
	6	Theory of Value by Adam Smith	2	
	7	Ricardo's conception of value	2	
	8	Marxian approach to value	2	
	9	Sraffa's approach	4	
III		**Heterodox Theories of Distribution**	**15**	**22**
	10	Recent developments in heterodox theories	3	
	11	Classical and Marxian theory	3	
	12	Cambridge theory	2	
	13	Neo-Kaleckian theory	2	
	14	The functional-size distribution nexus - Different sectors and different classes	2	
	15	Econo-physics and the 'two-class theory of income distribution'	3	
IV		**Micro- Macro Link in Heterodox Economics**	**15**	**22**
	16	Aggregates and aggregation in science	2	
	17	A heterodox perspective on the micro–macro link: The whole is more than the sum of its parts	3	
	18	Relations matter: There is real novelty	2	
	19	Aggregation and Welfare	2	
	20	Systemism as a general frame work	2	
	21	Systemism and heterodoxy - key ideas and concepts	2	
	22	Heterodox economics in a systemist framework	2	
V		**Open Ended Module**	**12**	
		Discussion based on Feminist Economics, Ecological Economics and Radical Economics		
		Seminars to discuss and evaluate the state of affairs and policy related to women and ecology.		
		Group discussion and Assignments to understand radical economics.		

Note: The course is divided into five modules, with four modules together having total 22 fixed units and one open-ended module with a variable number of units. There are total 48 instructional hours for the fixed modules and 12 hours for the open-ended one. Internal assessments (30 marks) are split between the open-ended module (10 marks) and the fixed modules (20 marks). The final exam, however, covers only the 22 units from the fixed modules. The 70 marks shown in the last column, distributed over the first four modules, are only for the external examination.

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REFERENCE:

1. Jo, T., Chester, L., & D'Ippoliti, C. (2017). *The Routledge Handbook of Heterodox Economics: Theorizing, Analyzing, and Transforming Capitalism*. Routledge.

ADDITIONAL READINGS

1. Mearman, A., Berger, S., & Guizzo, D. (2019). What is Heterodox Economics?: Conversations with Leading Economists. Routledge.
2. Lee, F. (2009). A history of heterodox economics: Challenging the mainstream in the twentieth century. Routledge.
3. Hermann, A., & Mouatt, S. (2020). Contemporary issues in Heterodox Economics: Implications for Theory and Policy Action. Routledge.
4. Armstrong, P. (2020). Can heterodox economics make a difference?: Conversations With Key Thinkers. Edward Elgar Publishing.
5. Harvey, J. T., & Garnett, R. F. (2008). Future directions for heterodox economics. University of Michigan Press.
6. Lee, F. S., & Lavoie, M. (2012). In defense of Post-Keynesian and heterodox economics: Responses to Their Critics. Routledge.

MAPPING OF COs WITH PSOs:

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9
CO 1	3	-	-	-	-	-	2	-	-
CO 2	3	-	-	-	-	-	2	-	-
CO 3	-	-	-	-	-	-	3	2	-
CO 4	-	-	-	-	-	-	-	3	2
CO 5	-	-	-	1	1	-	2	3	-
CO 6	-	3	-	-	-	-	3	3	-

CORRELATION LEVELS:

Level	Correlation
-	Nil
1	Slightly / Low
2	Moderate / Medium
3	Substantial / High

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ASSESSMENT RUBRICS:

- Quiz / Assignment/ Viva Voce/ Discussion / Seminar
- Internal Exam
- Practical Assignments (20%)
- Final Exam (70%)

MAPPING OF COs TO ASSESSMENT RUBRICS:

	Internal Exam	Quiz / Assignment/ Viva Voce/ Discussion / Seminar	Practical Assignment	End Semester Examination
CO 1	✓	✓		✓
CO 2	✓	✓	✓	✓
CO 3	✓	✓	✓	✓
CO 4	✓	✓		✓
CO 5	✓	✓		✓
CO 6		✓	✓	

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Programme	B.A. Economics with Foreign Trade Honours				
Course Title	**METHODS FOR QUANTITATIVE RESEARCH IN ECONOMICS**				
Type of Course	**Major**				
Semester	VIII				
Academic Level	400 - 499				
Course Details	Credit	Lecture per week	Tutorial per week	Practical per week	Total Hours
	4	4	-		60
Pre-requisites					
Course Summary	This course provides a comprehensive foundation in research design and statistical analysis techniques for economic research, covering topics such as research methodology, data collection methods, statistical analysis, software applications, and advanced topics including regression analysis and econometrics, with a focus on ethical considerations throughout the research process.				

COURSE OUTCOMES (CO):

CO	CO Statement	Cognitive Level*	Knowledge Category#	Evaluation Tools used
CO1	Demonstrate a solid understanding of the fundamental principles of research design, including different types of research methodologies and sampling techniques.	U	F	Instructor-created exams / Quiz
CO2	to apply various statistical analysis techniques, such as hypothesis testing, regression analysis, and econometric methods, to real-world economic research problems	Ap	P	Practical Assignment
CO3	critically analyze research problems, identifying gaps in existing literature, formulating meaningful research questions, and selecting appropriate research designs to address these questions.	E	F	Seminar Presentation / Group Discussion
CO4	Synthesize information from various sources, including primary and secondary data, to create well-constructed and logically organized research proposals and projects.	Ap	P	Instructor-created exams / Home Assignments
CO5	Evaluate the reliability and validity of research findings, interpret statistical	E	C	Instructor-created exams /

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	results, and communicate their research effectively through written reports and presentations. They will also.			Home Assignments
CO 6	Create comprehensive research projects that demonstrate a mastery of quantitative research methods in the field of economics	Ap	P	

* - Remember (R), Understand (U), Apply (Ap), Analyse (An), Evaluate (E), Create (C)

\# - Factual Knowledge(F) Conceptual Knowledge (C) Procedural Knowledge (P) Metacognitive Knowledge (M)

DETAILED SYLLABUS:

Module	Unit	Content	Hrs	Marks
		Foundations of Research Design	**12**	
	1	Introduction to Research Methodology - Definition and importance of research	2	
	2	Types of research- exploratory, descriptive, explanatory	1	
I	3	Research Problem Formulation: Literature review - Identifying research gaps - Developing research objectives and hypotheses	2	18
	4	Research Design and Types - Experimental vs. non-experimental designs - Cross-sectional vs. longitudinal designs - Quasi-experimental designs	3	
	5	Sampling Techniques - Probability and non-probability sampling methods- Sample size determination	3	
	6	Sampling errors and biases	1	
		Data Collection Methods	**12**	**16**
	7	Survey Research - Questionnaire design and construction -	2	
	8	Sampling in surveys – Pilot survey - Survey administration and data collection	3	
II	9	Validity and Reliability – Test of Validity and reliability	2	
	10	Randomized control trials - Experimental and control groups	2	
	11	Secondary Data - Utilizing existing datasets	2	
	12	Ethical considerations in data collection	1	
		Statistical Analysis Techniques	**12**	**18**
	13	Descriptive Statistics - Frequency distributions - Graphical representation of data	3	
III	14	Inferential Statistics - Hypothesis testing- Confidence intervals - t-tests, ANOVA, ANCOVA,	3	
	15	Correlation Regression analysis.	2	
	16	Data Interpretation - Communicating statistical findings effectively - Presentation: Creating visualizations and tables	4	
		Software Applications and Advanced Topics	**12**	**18**
	17	Introduction to Statistical Software - Familiarisation of software like R /Python/SPSS	3	
	18	Data import, cleaning and basic analysis	1	
IV	19	Advanced Regression Analysis - Multiple regression - Logistic regression Model diagnostics	3	
	20	Econometrics in Economic Research - Time-series analysis	2	
	21	Panel data analysis- Instrumental variable methods.	2	
	22	Research ethics.	1	
V		**Open Ended Module**	**12**	
		Discussion: Identify a research paper (Qualitative research work)		
		Practical Assignments: Review of various research works and identify different research methods		
		Seminar: Prepare a research proposal and present it		

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Note: The course is divided into five modules, with four modules together having total 22 fixed units and one open-ended module with a variable number of units. There are total 48 instructional hours for the fixed modules and 12 hours for the open-ended one. Internal assessments (30 marks) are split between the open-ended module (10 marks) and the fixed modules (20 marks). The final exam, however, covers only the 22 units from the fixed modules. The 70 marks shown in the last column, distributed over the first four modules, are only for the external examination.

REFERENCE:

1. Research Methodology: A Step-by-Step Guide for Beginners" by Ranjit Kumar New age international Publishers.
2. Research Methodology in Social Sciences Paperback by Shridhar Patil & Aditya - New India Publishing Agency
3. Methodology of Research In Social Sciences, Krishnaswamy, O.R. Himalya publishing House,
4. Research Methodology in Social Sciences" by Devendra Thakur Deep & Deep Publications

ADDITIONAL READINGS

1. Bryman, A. (2016). Social Research Methods. Oxford University Press.
2. Bordens, K. S., & Abbott, B. B. (2002). Research design and methods: A process approach. McGraw-Hill.
3. Bairagi, V., &Munot, M. V. (Eds.). (2019). Research methodology: A practical and scientific approach. CRC
   Press.
4. Creswell, J. W., & Creswell, J. D. (2017). Research design: Qualitative, quantitative, and mixed methods approaches. Sage publications

MAPPING OF COs WITH PSOs:

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9
CO 1	3	1	-	-	-	-	-	-	-
CO 2	-	-	-	-	-	-	-	3	
CO 3	-	-	-	3	-	-	-	-	2
CO 4	-	-	-	-	-	-	3	1	-
CO 5	-	-	-	-	-	2	-	-	2
CO6	-	-	-	-	-	-	3	-	3

CORRELATION LEVELS:

Level	Correlation
-	Nil
1	Slightly / Low
2	Moderate / Medium
3	Substantial / High

ASSESSMENT RUBRICS:

- Quiz / Assignment/ Viva Voce/ Discussion / Seminar
- Internal Exam
- Practical Assignments (20%)
- Final Exam (70%)

MAPPING OF COs TO ASSESSMENT RUBRICS:

	Internal Exam	Quiz / Assignment/ Viva Voce/ Discussion / Seminar	Practical Assignment	End Semester Examination
CO 1	✓	✓		✓
CO 2	✓	✓	✓	✓
CO 3	✓	✓	✓	✓
CO 4	✓	✓	✓	✓
CO 5	✓	✓	✓	

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Programme	B.A. Economics with Foreign Trade Honours
Course Title	**METHODS FOR QUALITATIVE RESEARCH IN ECONOMICS**
Type of Course	**Major**
Semester	VIII
Academic Level	400 - 499

Course Details	Credit	Lecture per week	Tutorial per week	Practical per week	Total Hours
	4	4	-	-	60

Pre-requisites	
Course Summary	This course provides a comprehensive overview of qualitative research methods in economics, covering topics such as philosophical foundations, research design, sampling, data collection techniques, analysis techniques, interpretation, and advanced topics including ethical considerations and the integration of qualitative methods with big data approaches.

COURSE OUTCOMES (CO):

CO	CO Statement	Cognitive Level*	Knowledge Category#	Evaluation Tools used
CO1	Articulate the philosophical foundations of qualitative research, distinguishing between post-positivism, critical realism, and constructivism.	U	F	Instructor-created exams / Quiz
CO2	Conduct data analysis skillfully, through advanced approaches like discourse analysis and ethnographic content analysis, synthesizing information from diverse sources.	An	P	Practical Assignment
CO3	Critically evaluate ethical challenges in advanced qualitative research designs and assess the strengths and limitations of various qualitative methods.	E	F	Seminar Presentation / Group Discussion
CO4	Proficiently design and justify complex qualitative research studies utilizing advanced methodologies	Ap	P	Instructor-created exams / Home Assignments

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		such as multi-method approaches and case studies.			
CO5		Produce an original publishable-quality research paper, creatively applying emerging trends in qualitative research, including big data and digital ethnography.	Ap	F	Instructor-created exams / Home Assignments

* - Remember (R), Understand (U), Apply (Ap), Analyse (An), Evaluate (E), Create (C)
# - Factual Knowledge(F) Conceptual Knowledge (C) Procedural Knowledge (P) Metacognitive Knowledge (M)

DETAILED SYLLABUS:

Module	Unit	Content	Hrs	Marks
I		**Introduction to Qualitative Research in Economics**	**16**	**22**
	1	Overview of Research Methods – Quantitative and qualitative strength and limitations of Qualitative research.	2	
	2	Philosophical Foundations - Understanding ontology and epistemology in qualitative research - Positivism - constructivism – Critical realism	3	
	3	Review of literature	2	
	4	Formulation of research problem - Identification conceptualization and operationalization of the problem	3	
	5	Research Design in Qualitative Research - Defining research questions and objectives	3	
	6	Choosing appropriate qualitative research designs - Case study, grounded theory, ethnography, and phenomenology	3	
II		**Sampling and Data Collection Techniques in Qualitative Research**	**12**	**18**
	7	Sampling methods: Purposeful sampling technique- Snowball sampling - Critical case sampling-Theoretical sampling.	3	
	8	Data collection methods: In-Depth Interviews - Focus Group Discussions - Observation	3	
	9	Document Analysis -Examining primary and secondary sources	2	
	10	Multi method approach	2	
	11	Case study approach	2	
III		**Data Analysis in Qualitative Research**	**10**	**15**
	12	Techniques: Thematic analysis - Content analysis - Constant comparative analysis	2	
	13	Coding and categorization- Discourse analysis- Narrative analysis.	2	
	14	Scaling Techniques: Likert Scale – Thurstone scale – Guttman scale	2	
	15	Introducing Qualitative Data Software	2	

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	16	Interpretation and Writing	2	
	17	Hermeneutics. The role of theory in qualitative research in economics	2	
IV		**Advanced Topics in Qualitative Research in Economics**	**10**	**15**
	18	Recent trends and issues in Qualitative research	2	
	19	Power Dynamics And reflexivity	2	
	20	Big data and qualitative Research methods	2	
	21	Ethical considerations specific to qualitative research.	2	
	22	Evaluating the impact of economic policies	2	
V		**Open Ended Module**	**12**	
		Discussion: Identify a research paper (Qualitative research work)		
		Practical Assignments: Preparation of interview Shedule/ questionnaire		
		Seminar: Review a research paper and present it		

Note: The course is divided into five modules, with four modules together having total 22 fixed units and one open-ended module with a variable number of units. There are total 48 instructional hours for the fixed modules and 12 hours for the open-ended one. Internal assessments (30 marks) are split between the open-ended module (10 marks) and the fixed modules (20 marks). The final exam, however, covers only the 22 units from the fixed modules. The 70 marks shown in the last column, distributed over the first four modules, are only for the external examination.

REFERENCE:
1. Qualitative research methods in economics: A practical guide. **Uwe Flick -**Sage Publications Ltd.
2. Research Methodology in Social Sciences Paperback by Shridhar Patil & Aditya - New India Publishing Agency
3. Krishnaswamy, O.R. Methodology of Research In Social Sciences, Himalya publishing House, 1993

ADDITIONAL READINGS
1. Bryman, A. (2016). Social Research Methods. Oxford University Press.
2. Bordens, K. S., & Abbott, B. B. (2002). Research design and methods: A process approach. McGraw-Hill.
3. Bairagi, V., & Munot, M. V. (Eds.). (2019). Research methodology: A practical and scientific approach. CRC
   Press.
4. Creswell, J. W., & Creswell, J. D. (2017). Research design: Qualitative, quantitative, and mixed methods
   approaches. Sage publications

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MAPPING OF COs WITH PSOs:

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9
CO 1	1	1	-	-	-	-	-	-	-
CO 2	-	-	-	3	-	-	-	2	
CO 3	-	-	-	-	-	-	3	-	2
CO 4	-	-	-	-	-	-	-	3	-
CO 5	-	-	-	-	-	2	-	-	3

CORRELATION LEVELS:

Level	Correlation
-	Nil
1	Slightly / Low
2	Moderate / Medium
3	Substantial / High

ASSESSMENT RUBRICS:

- Quiz / Assignment/ Viva Voce/ Discussion / Seminar
- Internal Exam
- Practical Assignments (20%)
- Final Exam (70%)

MAPPING OF COs TO ASSESSMENT RUBRICS:

	Internal Exam	Quiz / Assignment/ Viva Voce/ Discussion / Seminar	Practical Assignment	End Semester Examination
CO 1	✓	✓		✓
CO 2	✓	✓		✓
CO 3	✓	✓	✓	✓
CO 4	✓	✓	✓	✓
CO 5	✓	✓	✓	

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Elective Courses in Economics with Foreign Trade

Programme	B.A. Economics with Foreign Trade Honours				
Course Title	**GENDER ANALYSIS IN ECONOMICS**				
Type of Course	**Elective**				
Semester	V				
Academic Level	300-399				
Course Details	Credit	Lecture per week	Tutorial per week	Practical per week	Total Hours
	4	4	-	-	60
Pre-requisites	Basic Economics Course of 200 – 299 level				
Course Summary	This course provides a detailed understanding of gender equality, gender empowerment strategies, and social security policies that promote gender well-being.				

COURSE OUTCOMES (CO):

CO	CO Statement	Cognitive Level*	Knowledge Category#	Evaluation Tools used
CO1	Understand the basic concepts of gender and gender economics and to recognise the gender mainstreaming initiatives.	U	C	Instructor-created exams / Quiz/Assignment
CO2	Examine the peculiarities, role and challenges of gender in the labour market participation	E	C	Instructor-created exams / Practical Assignment / Observation of Practical Skills
CO3	Analyse the basic tools of gender Economics	An	P	Instructor-created exams / Seminar Presentation / Group Discussion
CO4	Develop the attitude and ability to preserve the concept of women empowerment and gender equality in the society.	Ap	P	Instructor-created exams / Home Assignments
CO5	Suggest and practice certain measures for protecting gender equality and gender well being	Ap	P	Writing assignments/Survey/Debate

* - Remember (R), Understand (U), Apply (Ap), Analyse (An), Evaluate (E), Create (C)
# - Factual Knowledge(F) Conceptual Knowledge (C) Procedural Knowledge (P) Metacognitive Knowledge (M)

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Module	Unit	Content	Hrs	Marks
		Introduction to Gender Economics	12	
	1	Concepts of gender and sex-Femininity and masculinity	1	
	2	Definition and Scope of Gender Economics	1	
	3	Historical Milestones of Gender Mainstreaming - Global perspective (UNDP measures, UN SDGs, CEDAW etc)	2	
I	4	Gender Main streaming efforts in India-73rd and &74th amendments of Indian constitution, Gender budgeting, Beti Bachao Beti Padhao, Mahila Shakti Kendra, The National Crèche Scheme, Pradhan Mantri Matru Vandna Yojna, Pradhan Mantri Ujjwala Yojana, Sukanya Samriddhi Yojna (SSY), Skill Upgradation & Mahila Coir Yojna etc.	3	17
	5	Gender mainstreaming efforts of Local self-government-WCP, GRC, Jagratha Samithi, Kudumbasree,etc.	1	
	6	Transgender policy of India and Kerala	1	
	7	Demography of female population in India-Age structure, mortality rates, Inter-state variations in sex ratio, Causes of declining sex ratio, Measurement of fertility and its control	3	
		Gender and Labour Market	12	
	8	workforce participation across Gender –Basic Statistics (world &India), Contribution of Claudin Goldin-U shape Curve	3	
	9	Challenges in informal and Formal Economy–Gender Discrimination and Exploitation in the Labour Market	2	
II	10	Time use and Indian Time Use survey (1999-2000& 2019) for assessing women's labour at home and workplace	3	17
	11	Women's Contribution to National Economy in terms of sectoral shares in GDP and employment	2	
	12	Impact of technology and modernization on women's work participation	1	
	13	Effects of globalization and liberalization on women	1	
		Tools for Gender Economics	10	
	14	Gender Planning-Definition, importance, process and stakeholders	3	
III	15	Gender Budgeting: Definition, Importance, process and stakeholders	3	15
	16	Gender Auditing: Definition, Importance and process	4	
		Tools for Women Empowerment	14	
	17	Women and education- GER ratio in India -Addressing gender inequalities in education	3	
	18	Gender equity in health-access to nutrition	2	
IV	19	Women's participation in decision making	2	21
	20	Gender equity in Assets -Protection of property rights	2	
	21	Crimes against women in India-Basic statistics	3	
	22	Schemes for safety net for women	2	
V		**Open Ended Module**	12	

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	1	Perform Gender auditing of a leading institution		
	2	Discuss the reasons for increasing women crimes in Kerala		
	3	Gender-based discrimination in assets: carry out a local survey		
	4	Student led seminar on national and international laws for women's rights		

Note: The course is divided into five modules, with four modules together having total 22 fixed units and one open-ended module with a variable number of units. There are total 48 instructional hours for the fixed modules and 12 hours for the open-ended one. Internal assessments (30 marks) are split between the open-ended module (10 marks) and the fixed modules (20 marks). The final exam, however, covers only the 22 units from the fixed modules. The 70 marks shown in the last column, distributed over the first four modules, are only for the external examination.

REFERENCE:

1. Sen, Sujatha (2012), *Gender Studies*- Dorling Kindersley (India) Pvt.Ltd, New Delhi
2. Krishna Raj .M, Sudarshan.R.M, and Shariff.A (1999), *Gender, Population and Development,* Oxford University Press, New Delhi
3. Ellina Samantroy (2022), *Women's Paid and Unpaid Work: Insights from the Time Use Survey and Methodological Issues*, V.V. Giri National Labour Institute, Noida, U.P.

ADDITIONAL READINGS

1. Sen, Suvarna (2006), *Gender and Development*, ICFAI University Press, Hyderabad.
2. Dutta, Nandita and, Sumitra Jha (2014), *Women and Rural Development*, Pacific Books International Delhi.
3. Jitendra Ahirrao (2013), *Entrepreneurship and Rural Women in India*, New Century Publications, New Delhi.
A. Venkateswarlu, et al. (2013), Dimensions *of Female Sex Ratio: Interstate Variations in India*, Serials Publications, New Delhi.
4. Desai, N and M.K Raj (1974), Women *and Society in India,* SNDT University, Mumbai.
5. Sen, Amartya. (1990), *More than 100 million Women are Missing*, New York Review of Books, vol.37, No.20, 1990.
6. Govt.of India (2009), *Gender Equality and Women Empowerment in India*, National Family Health Survey 2005-06 (NFHS-3), IIPS, Mumbai.
7. John Mary. E (1996), *Gender and Development in India*, EPW, 31(47), PP 3071-77).
8. Pal, Manoranjan et.al (Ed) (2011), *Health, Nutritional Status and Role of Women in India*, Oxford University Press, New Delhi.
9. E Boserup (1970), *Women's Role in Economic Development*, George Allen and Unwin, London.

MAPPING OF COs WITH PSOs:

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9
CO 1	3	1	-	-	2	-	-	-	-
CO 2	1	2	-	3	-	-	2	-	-
CO 3	-	-	1	3	-	-	2	-	-
CO 4	-	-	-	2	-	-	3	2	-
CO 5	-	-	-	-	-	2	3	3	-

CORRELATION LEVELS:

Level	Correlation
-	Nil
1	Slightly / Low
2	Moderate / Medium
3	Substantial / High

ASSESSMENT RUBRICS:

- Quiz / Assignment/ Viva Voce/ Discussion / Seminar/ Survey
- Internal Exam
- Practical Assignments
- Final Exam (70%)

MAPPING OF COs TO ASSESSMENT RUBRICS:

	Internal Exam	Quiz / Assignment/ Viva Voce/ Discussion / Seminar	Practical Assignment	End Semester Examination
CO 1	✓	✓		✓
CO 2	✓	✓	✓	✓
CO 3	✓	✓	✓	✓
CO 4	✓	✓	✓	✓
CO 5		✓	✓	

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Programme	B.A. Economics with Foreign Trade Honours				
Course Title	**ENVIRONMENT AND SUSTAINABLE DEVELOPMENT**				
Type of Course	**Elective**				
Semester	V				
Academic Level	300 – 399				
Course Details	Credit	Lecture per week	Tutorial per week	Practical per week	Total Hours
	4	4	-	-	60
Pre-requisites	Economics Course of 200 – 299 level				
Course Summary	This course explores the relationship between environment and economy and through which students put forward various sustainable development models				

COURSE OUTCOMES (CO):

CO	CO Statement	Cognitive Level*	Knowledge Category#	Evaluation Tools used
CO1	Understand the concept of environmental economics and its importance	U	C	Instructor-created exams / Quiz
CO2	Analyze various theories on environmental economics and related concepts	Ap	P	Practical Assignment / Observation of Practical Skills
CO3	Evaluate the problem of pollution	U	P	Seminar Presentation / Group Discussion
CO4	Apply the theoretical knowledge in reducing environmental degradation	Ap	C	Instructor-created exams / Home Assignments
CO5	Assess various environmental issues	U	F	Writing assignments
CO6	Create/ suggest various sustainable development models	Ap	P	Visiting and writing reports
* - Remember (R), Understand (U), Apply (Ap), Analyse (An), Evaluate (E), Create (C) # - Factual Knowledge(F) Conceptual Knowledge (C) Procedural Knowledge (P) Metacognitive Knowledge (M)				

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Unit		Content	Hrs	Marks
I		**Environment and Economy**	**12**	**17**
	1	The Environment and Economy- meaning and scope of environmental economics-	3	
	2	Major environmental problems, types of pollutions, Global warming and Ozone depletion.	3	
	3	The environmental Kuznet curve-	3	
	4	Limit to growth theory- Green GDP	3	
II		**Externalities and Regulations**	**15**	**22**
	5	Market failure and causes	2	
	6	Kinds of Externalities	1	
	7	Negative externalities and inefficiency	1	
	8	Positive externalities and inefficiency	1	
	9	Regulating externalities -prices- Fixing Emission standard and Emission Fees, Tradeable emission permits, recycling	4	
	10	Pigouvian taxes	1	
	11	Optimum level of pollution control	2	
	12	Property rights and Coase Theorem	3	
III		**Measuring Environmental Values**	**10**	**15**
	13	Environmental impact assessment- preventive expenditure technique- replacement cost technique- travel cost method-contingent valuation	4	
	14	National income accounting for the environment	2	
	15	The harvesting of renewable resources and maximum sustainable yield	2	
	16	Non-renewable resources and optimal depletion	2	
IV		**Sustainable Development**	**11**	**16**
	17	Sustainable development: concepts and practices- measurement	4	
	18	Earth summits	1	
	19	Sustainable developmental goals	1	
	20	Agenda 21	1	
	21	Sources and use of non-conventional and renewable energy	2	
	22	Organic farming	2	
V		**Open ended Module**	**12**	
		Report on waste management by visiting local dumping yards of the local self-governments- report should contain the assessment and measurement of pollution- suggestion to reduce the problems related to waste management. or Visit organic farm houses and make report on its economic side		

Note: The course is divided into five modules, with four modules together having total 22 fixed units and one open-ended module with a variable number of units. There are total 48 instructional hours

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for the fixed modules and 12 hours for the open-ended one. Internal assessments (30 marks) are split between the open-ended module (10 marks) and the fixed modules (20 marks). The final exam, however, covers only the 22 units from the fixed modules. The 70 marks shown in the last column, distributed over the first four modules, is only for the external examination.

REFERENCE:

1. Charles D Kolstad, (2010). *Intermediate environmental economics*,*2nd ed.* Oxford University Press.
2. Robert Pindyck and Daniel Rubinfield, (2019). Micro Economics. Pearson, 8, 657-671
3. A.P. Thirlwall, Growth and Development, 8th Edition, Palgrave, macmillan.
4. T. Eugin,(2014). Environmental economics, Vrindavan publications, Delhi

ADDITIONAL READINGS

1. Aldy, J. et al. (2010). Designing climate mitigation policy. Journal of Economic Literature, 48, 903-934.
2. Cropper, M., Oates, W. (1992). Environmental economics: A survey, Journal of Economic Literature, 30, 675-740.
3. Heal, G. (2012). Reflections – defining and measuring sustainability. Review of Environmental Economics and Policy, 6, 147-163.
4. Newell,R.,Pizer,W.,Raimi,D.(2013).Carbonmarkets15yearsafterKyoto: Lessons learned, new challenges .Journal of Economic Perspectives,27, 123- 46.
5. Perman, R., Ma, Y., Mc Gilvray, J., Common, M.(2011). Natural resource and environmental economics, 3rd ed. Pearson Education/Addison Wesley.
6. Stavins, R. (ed.)(2012). Economics of theenvironment:Selectedreadings,5th ed. W. W. Norton

MAPPING OF COs WITH PSOs:

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7
CO 1	3	-	-	-	-	-	-
CO 2	-	3	-	1	-	-	2
CO 3	3	-	-	1	-	-	-
CO 4	-	3	1	2	-	-	3
CO 5	3	-	-	-	-	-	2
CO 6	-	2	2	3	3	-	3

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CORRELATION LEVELS:

Level	Correlation
-	Nil
1	Slightly / Low
2	Moderate / Medium
3	Substantial / High

ASSESSMENT RUBRICS:

- Quiz / Assignment/ Viva Voce/ Discussion / Seminar
- Internal Exam
- Practical Assignments (20%)
- Final Exam (70%)

MAPPING OF COs TO ASSESSMENT RUBRICS:

	Internal Exam	Quiz / Assignment/ Viva Voce/ Discussion / Seminar	Practical Assignment	End Semester Examination
CO 1	✓	✓		✓
CO 2	✓		✓	✓
CO 3	✓	✓		✓
CO 4	✓	✓		✓
CO 5		✓	✓	
CO 6			✓	

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Programme	B.A. Economics with Foreign Trade Honours				
Course Title	**ECONOMIC DATABASE MANAGEMENT**				
Type of Course	**Elective**				
Semester	V				
Academic Level	300 - 399				
Course Details	Credit	Lecture per week	Tutorial per week	Practical per week	Total Hours
	4	4	-	-	60
Pre-requisites	Intermediate Level Economics Courses of 200 – 299 level				
Course Summary	Explore the intersection of economics and database systems, covering data sources, case studies, and economic analysis.				

COURSE OUTCOMES (CO):

CO	CO Statement	Cognitive Level*	Knowledge Category#	Evaluation Tools used
CO1	Understand the fundamentals of database management and its importance in economics	U	C	Instructor-created exams / Quiz
CO2	Learn how to query a database to extract relevant economic data	U	C	Seminar Presentation / Group Discussion
CO3	Check reliability and quality of data	E	P	Seminar Presentation / Group Discussion
CO4	Comparison of different data sources	An	P	Instructor-created exams / Home Assignments
CO5	Develop skills in data analysis using database tools and technologies	Ap	P	Practical Assignment / Observation of Practical Skills
* - Remember (R), Understand (U), Apply (Ap), Analyse (An), Evaluate (E), Create (C) # - Factual Knowledge(F) Conceptual Knowledge (C) Procedural Knowledge (P) Metacognitive Knowledge (M)				

Module	Unit	Content	Hrs	Marks
I		**Introduction to Sources Of Data**	**15**	**22**
	1	An introduction to the role of data in economic history -the physiocrats- Quesnay- Hume- William Petty- Kuznets	5	
	2	Modern data sources	2	
	3	Scale of measurement	2	
	4	Data transformations; level v/s growth rates	2	
	5	Sources of data	1	
	6	Data reporting delay	1	
	7	Length of data	1	
	8	Accuracy of data	1	
II		**India's Specific Data Sources**	**15**	**22**
	9	The role of National Sample Survey Organisation	1	
	10	Central statistical organization	1	
	11	Annual Survey of Industries	1	
	12	RBI- Handbook of Statistics on Indian Economy	2	
	13	SEBI handbook of statistics	2	
	14	Data set- Employee Provident Fund Organization	2	
	15	Ministry of Corporate affairs	2	
	16	Database on Indian economy - Census dataset- open government data platform in India	2	
	17	National family health survey	2	
III		**Global Data Sources**	**8**	**12**
	18	UN data- monthly -Monthly bullets of statistics-SDG indicators- UN comtrade data base-UN conference on trade and development- Climate change indicators- dashboard	4	
	19	International financial statistics- financial access survey- government finance statistics- the World bank data catalogue- the global index data base- Federal Reserve economic data base (FRED)	4	
IV		**Case Studies and Controversies**	**10**	**14**
	20	The minimum wage controversy-the backward bending supply curve for labour- GDP calculation-Inflation Calculation-Purchasing Power Parity calculations	4	
	21	Reinhart-ROGOFF controversy- public data manipulation	3	
	22	Greece's public deficit figures-controversies about Argentina's inflation statistics- the Brazilian fiscal pedaling- limitations of publicly available data (case studied of relevant economies)	3	
V		**Open Ended Module**	**12**	
		Discussion on reliability of data from different sources		
		Practical Assignments to extract data from various sources		
		Seminar on the influence and value of data-based evaluation of different schemes, situations and problems		

Note: The course is divided into five modules, with four modules together having total 22 fixed units and one open-ended module with a variable number of units. There are total 48 instructional hours for the fixed modules and 12 hours for the open-ended one. Internal assessments (30 marks)

are split between the open-ended module (10 marks) and the fixed modules (20 marks). The final exam, however, covers only the 22 units from the fixed modules. The 70 marks shown in the last column, distributed over the first four modules, are only for the external examination.

REFERENCE:

1. Koop, Gary. Analysis of economic data. John Wiley & Sons, 2013. **(All modules)**

ADDITIONAL READINGS

1. Kirkpatrick, Charles D. Time the Markets: Using Technical Analysis to Interpret Economic Data. FT Press, 2012.
2. Winston, Wayne L. Data Analysis and Business Modeling with Microsoft Excel. Microsoft Press, 2004.
3. Gujarati, Damodar N., and Dawn C. Porter. Basic econometrics. McGraw-hill, 2009.

MAPPING OF COs WITH PSOs:

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9
CO 1	3	-	-	-	-	-	-	-	-
CO 2	3	-	-	2	-	-	2	-	1
CO 3	-	-	-	-	-	-	3	1	-
CO 4	3	-	-	1	-	-	-	-	-
CO 5	-	-	-	3	-	-	-	2	-

CORRELATION LEVELS:

Level	Correlation
-	Nil
1	Slightly / Low
2	Moderate / Medium
3	Substantial / High

ASSESSMENT RUBRICS:

- Quiz / Assignment/ Viva Voce/ Discussion / Seminar
- Internal Exam
- Practical Assignments (20%)
- Final Exam (70%)

MAPPING OF COs TO ASSESSMENT RUBRICS:

	Internal Exam	Quiz / Assignment/ Viva Voce/ Discussion / Seminar	Practical Assignment	End Semester Examination
CO 1	✓	✓		✓
CO 2	✓			✓
CO 3	✓	✓		✓
CO 4	✓	✓		✓
CO 5			✓	

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Programme	B.A. Economics with Foreign Trade Honours				
Course Title	**ECONOMICS OF LABOUR MARKET**				
Type of Course	**Elective**				
Semester	V				
Academic Level	300 - 399				
Course Details	Credit	Lecture per week	Tutorial per week	Practical per week	Total Hours
	4	4	-		60
Pre-requisites	Course on Microeconomics and Macroeconomics of level 200 - 299				
Course Summary	This course explores the intricate dynamics of labour markets, providing students with a comprehensive understanding of the functioning of labour markets, and covering fundamental concepts, historical development, labour market outcomes and contemporary issues.				

COURSE OUTCOMES (CO):

CO	CO Statement	Cognitive Level*	Knowledge Category#	Evaluation Tools used
CO1	Understand the basic concept of labour economics, labour markets and labour force participation.	U	C	Instructor-created exams / Quiz
CO2	Analyze theories of labour supply, labour demand and wage discrimination	An	P	Practical Assignment
CO3	Evaluate wage determination in different market conditions and the impact of labour unions	E	F	Seminar Presentation / Group Discussion
CO4	Apply the theories and contribute to better labour market outcomes.	Ap	P	Instructor-created exams / Home Assignments
CO5	Create critical thinking on labour unions, collective bargaining and Govt Employment Programmes	Ap	F	Viva Voce

* - Remember (R), Understand (U), Apply (Ap), Analyse (An), Evaluate (E), Create (C)
# - Factual Knowledge(F) Conceptual Knowledge (C) Procedural Knowledge (P) Metacognitive Knowledge (M)

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DETAILED SYLLABUS:

Module	Unit	Content	Hrs	Marks
I		**Labor Market and Labour Supply**	**10**	**14**
	1	Labour Market and the Economy - Unique features of Labour market	1	
	2	Evolution of Labour Market Theory-Labour market Process.	2	
	3	Labour Supply-The Theory of Labour/Leisure Choice-Income taxes and Labour supply	2	
	4	Supply of Salaried and Contract Labourers- Labour Supply Curve.	2	
	5	Labour Force Participation- Its Measurement-Convergence of Participation Rates	3	
II		**Labour Demand**	**15**	**23**
	6	Demand for Labour in the Short Run -Marginal Productivity Theory of Labour Demand with its criticisms	3	
	7	Product Demand and Labour Demand	1	
	8	Short-run Equilibrium in Labour Demand	2	
	9	Elasticity of Demand for Labour	3	
	10	Demand for Labour in the Long Run- Long Run Equilibrium -	2	
	11	Determinants of Elasticity of Labour Demand-Technological Change and Labour Demand.	4	
III		**Wage Determination, Wage Differential and Discrimination**	**15**	**23**
	12	Wage Determination in Competitive Markets-Law of One Wage	1	
	13	Wage Determination in Monopsony Market	1	
	14	Minimum wage	1	
	15	Efficiency wage Theory	2	
	16	Compensating Wage Differentials	1	
	17	Hedonic Theory of Compensating Wage Differentials	1	
	18	Economics of Employee Benefits	1	
	19	Issues of Occupational Segregation-Duncan Index	3	
	20	Discrimination in the Labour Market-Theories of Labour Market Discrimination -Measurement of Discrimination.	4	
IV		**Union Membership and Collective Bargaining**	**8**	**10**
	21	Type of Labour Unions- The Determinants of Union Membership: Demand and Supply Model -Equilibrium level of Union Membership.	4	
	22	The Union-Management Bargaining Process-Contract Zone-Union and Employer Reaction Function-Bargaining Process Outcomes	4	

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	Open Ended Module	12	
V	**Discussion**: Measurement, Types of Unemployment and Causes of Unemployment		
	Practical Assignments on Unemployment Statistics of India and Kerala		
	Seminar on Government Employment Programmes		

Note: The course is divided into five modules, with four modules together having total 22 fixed units and one open-ended module with a variable number of units. There are total 48 instructional hours for the fixed modules and 12 hours for the open-ended one. Internal assessments (30 marks) are split between the open-ended module (10 marks) and the fixed modules (20 marks). The final exam, however, covers only the 22 units from the fixed modules. The 70 marks shown in the last column, distributed over the first four modules, are only for the external examination.

REFERENCE:

1. Kaufman,B,E(2003).The Economics of Labour Markets.Thomson South Western (Module I,II,II, and IV)

ADDITIONAL READINGS

1. Borjas,G.J.(2020).Labour Economics.Mcgraw-Hill.
2. Boeri,T., & Ours,J.(2008).The Economics of Imperfect Labor Markets,Princeton University Press
3. Junankar,P.(2016).Economics of Labour Market.Palgrave.
4. Sapsford,D.,&Tzannatos,Z.(1993). The Economics of Labour the Market.
5. Fine,B.(1998).Labour Market Theory:A Constructive Reassessment.Routledge.
6. McConnel, C.,Brue,S.,&Mac,D.(2017).Contemporary LabourEconomics. McGraw-Hill Education
7. State planning Board, Economic Review, Thiruvananthapuram
8. https://mospi.gov.in>nsso-reports
9. https://dbie.rbi.org.in/#/dbie/home

MAPPING OF COs WITH PSOs:

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO 8	PSO 9
CO 1	3	-	-	-	-	-	-	-	-
CO 2	3	3	-	2	1	-	2	-	-
CO 3	-	3	-	2	-	-	-	-	-
CO 4	-	3	1	2	-	-	3	3	-
CO 5	-	3	-	2	-	-	1	2	-

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CORRELATION LEVELS:

Level	Correlation
-	Nil
1	Slightly / Low
2	Moderate / Medium
3	Substantial / High

ASSESSMENT RUBRICS:

- Quiz / Assignment/ Viva Voce/ Discussion / Seminar
- Internal Exam
- Practical Assignments (20%)
- Final Exam (70%)

MAPPING OF COs TO ASSESSMENT RUBRICS:

	Internal Exam	Quiz / Assignment/ Viva Voce/ Discussion / Seminar	Practical Assignment	End Semester Examination
CO 1	✓	✓		✓
CO 2	✓	✓	✓	✓
CO 3	✓	✓	✓	✓
CO 4	✓	✓	✓	✓
CO 5	✓	✓	✓	

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Programme	B.A. Economics with Foreign Trade Honours				
Course Title	**HEALTH ECONOMICS**				
Type of Course	**Elective**				
Semester	V				
Academic Level	300 - 399				
Course Details	Credit	Lecture per week	Tutorial per week	Practical per week	Total Hours
	4	4	-		60
Pre-requisites	Microeconomics course of 200 – 299 level				
Course Summary	This course seeks basic information about health economics, supply and demand for health care, Health Insurance and Economic Evaluation of Health Interventions.				

COURSE OUTCOMES (CO):

CO	CO Statement	Cognitive Level*	Knowledge Category#	Evaluation Tools used
CO1	Understand the basic concepts of health economics.	F	C	Instructor-created exams / Quiz
CO2	Comparison of determinants of demand and supply of health care.	An	P	Practical Assignment
CO3	Able to evaluate proper health insurance policies	Ap	F	Seminar Presentation / Group Discussion
CO4	Able to track down emerging health interventions in the international, national and state level	Ap	C	Instructor-created exams / Home Assignments
CO5	Create the opportunity to develop awareness regarding health care around us	E	M	Viva
* - Remember (R), Understand (U), Apply (Ap), Analyse (An), Evaluate (E), Create (C) # - Factual Knowledge(F) Conceptual Knowledge (C) Procedural Knowledge (P) Metacognitive Knowledge (M)				

Module	Unit	Content	Hrs	Marks
I		**Introduction to Health Economics**	**12**	**19**
	1	Definition and scope of health economics	1	
	2	Significance of Health Economics	1	
	3	Essential features of health economics	1	
	4	health indicators-mortality, morbidity, birth rate, death rate, IMR, CMR, MMR, Disability Adjusted Life year (DALY), Quality Adjusted Life Year (QUALY)	5	
	5	Sex ratio	1	
	6	Value of life; Determinants of good health	1	
	7	Measurement of health status.	2	
II		**Supply and Demand for Health Care**	**15**	**23**
	8	Demand and Supply of health care	1	
	9	Characteristics of demand and supply of health	1	
	10	Demand for health and demand for medical care.	3	
	11	Nature of demand for health- Determinants of demand for health	2	
	12	Supplier induced demand; health as a form of capital.	3	
	13	Supply of health care-Determinants of supply of health care	2	
	14	Pricing of health care.	3	
III		**Market for Health Insurance**	**10**	**14**
	15	Economics of health insurance- Demand for health insurance	1	
	16	setting insurance premium	1	
	17	Insurance concepts -Co-payments. Co-insurance rates, deductibles. Method of pricing insurance;	3	
	18	Health insurance challenges: Information asymmetry – Adverse selection -Moral hazard;	3	
	19	Private vs social health insurance.	2	
IV		**Economic Evaluation of Health Interventions**	**11**	**14**
	20	Evaluating Health Intervention- Direct and indirect costs of healthcare	2	
	21	Issues in the measurement of cost; Purpose and methods of evaluating a health intervention	4	
	22	Health policy of WHO - National health policy- NRHM- Health as a State subject.	5	
V		**Open Ended Module**	**12**	
	1	An overview of the health scenario in India and Kerala		
	2	Indian health care sector; Health Scenario in India and Kerala- issues – Kerala model of health.		

Note: The course is divided into five modules, with four modules together having total 22 fixed units and one open-ended module with a variable number of units. There are total 48 instructional hours for the fixed modules and 12 hours for the open-ended one. Internal assessments (30 marks) are split

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between the open-ended module (10 marks) and the fixed modules (20 marks). The final exam, however, covers only the 22 units from the fixed modules. The 70 marks shown in the last column, distributed over the first four modules, are only for the external examination.

REFERENCE:
1. V Ramankutty- A Premier of Health System Economics (2007)

ADDITIONAL READINGS:
1. Dewar Dianne M (2010): Essentials of Health Economics, Jones and Bartlett Publishers,
2. Feldestein Paul J (1999): Health Economics, Albany, NY: Delmar Publication Learning
3. Getzen Thomas E (2013) : Health Economics and Financing, Wily
4. Park K (2011): Preventive Medicine, Banarsidas Bhanot Publications, Jabalpur.
5. Phelps Charls E (2016): Health Economics, Routledge, New York Dewar M Diane :Essential of Health Economics
6. Santrre E Rexford and Neun Stephen : Health Economics: Theory, Insights and Industry Studies, South Western Cengage Learning
7. V Ramankutty- A Premier of Health System Economics (2007)
8. Kannan K P,et al (1991)- Health Development in Rural Kerala-(KSSP,Thiruvanthapuram).
9. Henderson J W- Health Economics and Policy -Thomson Learning.

MAPPING OF COs WITH PSOs:

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO 8	PSO 9
CO 1	3	-	-	-	-	-	-	-	-
CO 2	-	3	-	2	-	-	2	-	-
CO 3		2	-	2	-		-	2	-
CO 4	-	3	2	3	-	2	3	3	2
CO 5	3	-	-	-	-	2	2	1	1

CORRELATION LEVELS:

Level	Correlation
-	Nil
1	Slightly / Low
2	Moderate / Medium
3	Substantial / High

ASSESSMENT RUBRICS:
- Quiz / Assignment/ Viva Voce/ Discussion / Seminar
- Internal Exam
- Practical Assignments (20%)
- Final Exam (70%)

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MAPPING OF COs TO ASSESSMENT RUBRICS:

	Internal Exam	Quiz / Assignment/ Viva Voce/ Discussion / Seminar	Practical Assignment	End Semester Examination
CO 1	✓	✓		✓
CO 2	✓	✓	✓	✓
CO 3	✓	✓	✓	✓
CO 4	✓	✓	✓	✓
CO 5	✓	✓	✓	

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Programme	B.A. Economics with Foreign Trade Honours
Course Title	**HUMAN CAPITAL AND ECONOMIC DEVELOPMENT**
Type of Course	**Elective**
Semester	V
Academic Level	300 - 399

Course Details	Credit	Lecture per week	Tutorial per week	Practical per week	Total Hours
	4	4	-	-	60

Pre-requisites	Course on Intermediate Economics of level 200 - 299
Course Summary	This course explores the intersection between development economics and the economics of human capital

COURSE OUTCOMES (CO):

CO	CO Statement	Cognitive Level*	Knowledge Category#	Evaluation Tools used
CO1	Understand the relationship between human capital and economic development	U	C	Instructor-created exams / Quiz
CO2	Analyze the various theories of human capital and economic development	An	P	Practical Assignment
CO3	Evaluate the different theoretical models	Ap	F	Seminar Presentation / Group Discussion
CO4	Apply the theoretical models to real situations	Ap	C	Instructor-created exams / Home Assignments
CO5	Create empirical research models	C	P	Viva
* - Remember (R), Understand (U), Apply (Ap), Analyse (An), Evaluate (E), Create (C)				
# - Factual Knowledge(F) Conceptual Knowledge (C) Procedural Knowledge (P) Metacognitive Knowledge (M)				

DETAILED SYLLABUS:

Module	Unit	Content	Hrs	Marks
I		**Introduction**	**10**	**15**
	1	Human Capital : Definition and Concepts	2	
	2	Relation between Human Capital and Economic Development	2	
	3	Measurement of Human Development	2	
	4	HDI and India	2	
	5	Problems of Human Capital Formation	2	
II		**Theoretical Aspects**	**12**	**20**
	6	Solow Model and Effective Capital	2	
	7	Convergence Hypothesis	2	
	8	Solow Residual	2	
	9	Research on Human Capital and Economic Growth	3	
	10	India's Experience	3	
III		**Advanced Theories**	**12**	**20**
	11	Theoretical models on Human capital and Economic Growth	3	
	12	Human Capital formation	2	
	13	Endogenous growth models	2	
	14	Multiple equilibrium and Non-linearity in Human Capital and Economic growth	3	
	15	Overlapping Generations model- Paul Samuelson & Peter Diamond	2	
IV		**Empirical Aspects**	**14**	**15**
	16	The Empirics	2	
	17	Linear and Non-linear Specifications	2	
	18	Non –parametric method and their application	2	
	19	Migration and regional economic growth	3	
	20	Demographic characteristics and economic growth	2	
	21	Economic Policy and Human capital	2	
	22	Human Capital and Development experiences of Kerala	1	
V		**Open Ended Module**	**12**	
		Assignments, Empirical studies, Problem Discussion		

Note: The course is divided into five modules, with four modules together having total 22 fixed units and one open-ended module with a variable number of units. There are total 48 instructional hours for the fixed modules and 12 hours for the open-ended one. Internal assessments (30 marks) are split between the open-ended module (10 marks) and the fixed modules (20 marks). The final exam, however, covers only the 22 units from the fixed modules. The 70 marks shown in the last column, distributed over the first four modules, are only for the external examination.

REFERENCE:

1. Andreas Savvides and Thanasis Stengos: Human Captal and Economic Growth:Stanford University Press 2009
2. A . P Thirlwall: Growth and Development
3. Michael P Todaro and Stephen C Smith:Economic Development
4. N Gregory Mankiw: Macro Economics

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MAPPING OF COs WITH PSOs:

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7
CO 1	3	-	-	-	2	-	-
CO 2	-	-	-	2	-	-	2
CO 3	-	2	-	2	-	-	3
CO 4	-	2	-	1	1	-	3
CO 5	-	2	-	1	-	2	3

CORRELATION LEVELS:

Level	Correlation
-	Nil
1	Slightly / Low
2	Moderate / Medium
3	Substantial / High

ASSESSMENT RUBRICS:

- Quiz / Assignment/ Viva Voce/ Discussion / Seminar
- Internal Exam
- Practical Assignments (20%)
- Final Exam (70%)

MAPPING OF COs TO ASSESSMENT RUBRICS:

	Internal Exam	Quiz / Assignment/ Viva Voce/ Discussion / Seminar	Practical Assignment	End Semester Examination
CO 1	✓	✓		✓
CO 2	✓			✓
CO 3	✓	✓		✓
CO 4	✓	✓	✓	✓
CO 5	✓	✓	✓	

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Programme	B.A. Economics with Foreign Trade Honours				
Course Title	**FOREIGN TRADE IN INDIA**				
Type of Course	**Elective**				
Semester	V				
Academic Level	300 – 399				
Course Details	Credit	Lecture per week	Tutorial per week	Practical per week	Total Hours
	4	4	-	-	60
Pre-requisites	Economics Courses of 200 – 299 level				
Course Summary	This course aims to provide students with a broad based knowledge of foreign trade practices in India.				

COURSE OUTCOMES (CO):

CO	CO Statement	Cognitive Level*	Knowledge Category#	Evaluation Tools used
CO1	Understand economic concepts of international trade	U	C	Instructor-created exams / Quiz
CO2	Understand the pattern and composition of India's external trade	U	C	Seminar Presentation / Group Discussion
CO3	Recognize direction and future prospects of international trade of India.	R	F	Seminar Presentation / Group Discussion
CO4	Provide knowledge of the foreign trade policy in India.	Ap	C	Instructor-created exams / Home Assignments
CO5	Identify the role, structure and functioning of international institutions related to foreign trade	R	F	Seminar Presentation / Group Discussion
CO6	Understand the role of bilateral and multilateral trade agreements in foreign trade	U	C	Seminar Presentation / Group Discussion
* - Remember (R), Understand (U), Apply (Ap), # - Factual Knowledge(F) Conceptual Knowledge (C)				

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DETAILED SYLLABUS:

Module	Unit	Content	Hrs	Marks
I		**Introduction to Foreign Trade**	**11**	**15**
	1	Trade: its meaning and types.	2	
	2	Difference between internal and international trade	1	
	3	Advantages of International Trade.	2	
	4	India's Internal Trade- Characteristics and Problems.	2	
	5	Balance of trade(concept only)	1	
	6	Balance of payment(concept only)	1	
	7	India's Balance of Trade and Balance of Payments.	2	
II		**Foreign Trade in India**	**11**	**20**
	8	Recent trends in India's Foreign Trade since 1991	3	
	9	Major Items of Exports: Composition, Direction and Future Prospects	3	
	10	Major Items of Imports: Composition, Direction and Future Prospects.	3	
	11	India's Major trading partners	2	
III		**Foreign Trade Policy in India**	**14**	**20**
	12	Foreign trade policy: Major Provisions	3	
	13	Evaluation of the current FTP	3	
	14	India's Import Policy	2	
	15	India's export policy	2	
	16	Exchange rate policy in India.	2	
	17	Convertibility of Rupee and Impact on Foreign Trade.	2	
IV		**Trade Agreements and Foreign Investment**	**12**	**15**
	18	Bilateral and Multilateral Trade Agreements- GATT and its impact on foreign trade of India	3	
	19	WTO- Origin, objectives, structure and functions	3	
	20	Foreign Investment Policy: Past and Present	2	
	21	FDI in India	2	
	22	FII in India	2	
V		Case studies and practical applications	**12**	
		Analyzing emerging trends in India's foreign trade.		

Note: The course is divided into five modules, with four modules together having total 22 fixed units and one open-ended module with a variable number of units. There are total 48 instructional hours for the fixed modules and 12 hours for the open-ended one. Internal assessments (30 marks) are split between the open-ended module (10 marks) and the fixed modules (20 marks). The final exam, however, covers only the 22 units from the fixed modules. The 70 marks shown in the last column, distributed over the first four modules, are only for the external examination.

REFERENCE:

1. Bhagwati J. Srinivasan – Foreign Trade regimes and Economics development
2. Jaiswal Bimal & A.K.Singh – Foreign Trade of India
3. Plaekar – Trade of India
4. Salvi P.G. – New Directions on India's Trade policy.
5. Cherrunilam F. – International Trade Export Management
6. Singh, M – India's Export trends
7. Varshney R.L. – India's Foreign Trade

MAPPING OF COs WITH PSOs:

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9
CO 1	3	-	-	-	-	-	-	2	-
CO 2	-	1	1	-	-	-	-	2	-
CO 3	-	-	1	-	-	-	-	2	-
CO 4	2	-	-	-	-	-	-	2	-
CO 5	-	-	-	-	-	-	-	3	-
CO 6	-	-	-	-	-	-	1	3	-

CORRELATION LEVELS:

Level	Correlation
-	Nil
1	Slightly / Low
2	Moderate / Medium
3	Substantial / High

ASSESSMENT RUBRICS:

- Quiz / Assignment/ Viva Voce/ Discussion / Seminar
- Internal Exam
- Practical Assignments (20%)
- Final Exam (70%)

MAPPING OF COs TO ASSESSMENT RUBRICS:

	Internal Exam	Quiz/Assignment /Viva Voce/Discussion/ Seminar	Practical Assignment	End Semester Examination
CO 1	✓	✓		✓
CO 2	✓	✓	✓	✓
CO 3	✓	✓	✓	✓
CO 4	✓	✓		✓
CO 5	✓	✓	✓	
CO 6			✓	

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Programme	B.A. Economics with Foreign Trade Honours				
Course Title	**INTERNATIONAL ECONOMICS**				
Type of Course	**Elective**				
Semester	V				
Academic Level	300 – 399				
Course Details	Credit	Lecture per week	Tutorial per week	Practical per week	Total Hours
	4	4	-	-	60
Pre-requisites	Economics Courses of 200 – 299 level				
Course Summary	This course aims to provide students with a broad based knowledge of basics of international trade, theories of international trade and balance of payment.				

COURSE OUTCOMES:

CO	CO Statement	Cognitive Level*	Knowledge Category#	Evaluation Tools used
CO1	Understand the fundamental principles of international economics and its real-world applications.	U	C	Instructor-created exams / Quiz
CO2	Develop and practice the skill of thinking like an economist.	Ap	P	Practical Assignment / Observation of Practical Skills
CO3	Help the beginning student master the fundamental ideas essential for understanding the international situations, specific international economic issues.	U	P	Seminar Presentation / Group Discussion
CO4	Understand and apply the economic perspective and judge scientifically about international economic matters in a theoretical and practical level.	Ap	C	Instructor-created exams / Home Assignments
CO5	Understand about the functioning of International economy and its working	U	C	Writing assignments
CO6	Develop critical thinking and problem-solving ability by applying the skills and knowledge to address complex international economic issues in the real world.	Ap	P	Viva Voce

* Understand (U), Apply (Ap)

\# - Conceptual Knowledge (C) Procedural Knowledge (P)

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Module	Unit	Content	Hrs	Marks
I		**Basic Ideas of International Trade**	**12**	**15**
	1			
	2	Why we study the topic international trade	2	
	3	Why do people engage in trade	2	
	4	Why do nations engage in trade	2	
	5	What are the gains from international trade	2	
	6	Barriers of international trade	2	
II		**Thinking Like an Economist**	**12**	**15**
	7	Globalisation and international trade	2	
	8	Globalisation and Knowledge Economy	2	
	9	Concept of Intellectual Property -IPRs and TRIPS	3	
	10	Forms of IPRs: Patents, Trademarks, Copyrights, Designs & Geographical Indications	3	
	11	World Intellectual Property Organisation (WIPO)	2	
III		**Theories of International Trade**	**11**	**25**
	12	Mercantalist view on trade,	2	
	13	Absolute advantage theory of international trade	2	
	14	Comparative advantage theory	2	
	15	Heckscher-ohlin theory	3	
	16	Leontief paradox	2	
IV		**Balance of Payments**	**13**	**15**
	17	Balance of Payment- Meaning	1	
	18	Balance of Trade: meaning	2	
	19	Components of Balance of Payments: Current account, Capital account & Official settlement accounts	3	
	20	Equilibrium and Disequilibrium in BOP	2	
	21	Methods of correcting Disequilibrium in BOP	3	
	22	Terms of trade	2	
V		**Case Studies and Practical Applications**	**12**	
		Discussion on international trade in real world		
		Assignments based on international trade data		
		Seminar on the effect of international trade on an economy		

Note: The course is divided into five modules, with four modules together having total 22 fixed units and one open-ended module with a variable number of units. There are total 48 instructional hours for the fixed modules and 12 hours for the open-ended one. Internal assessments (30 marks) are split between the open-ended module (10 marks) and the fixed modules (20 marks). The final exam, however, covers only the 22 units from the fixed modules. The 70 marks shown in the last column, distributed over the first four modules, are only for the external examination.

REFERENCE:
1. Krugman P., Obstfeld M. Melitz M. (KOM) International Economics: Theory and Policy,
2. Salvatore, Dominick, 'International Economics', Weily India New Delhi
3. Sodersten B., Reed G. (SR) International Economics, 3rd ed. Macmillan, 1994.

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ADDITIONAL READINGS

1. C.P. Kindle Berger 'International Economics'.
2. Francis Cherumilam - 'International Economics' .
3. Mannur, H.G. 'International Economics'

MAPPING OF COs WITH PSOS:

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9
CO 1	3	-	-	-	-	-	-	1	-
CO 2	-	-	-	-	-	-	3	3	-
CO 3	3	3	-	1	-	-	-	2	-
CO 4	-	-	-	-	-	-	3	3	-
CO 5	2	-	-	-	-	-	-	3	-
CO 6	-	3	-	1	-	-	3	3	

CORRELATION LEVELS:

Level	Correlation
-	Nil
1	Slightly / Low
2	Moderate / Medium
3	Substantial / High

ASSESSMENT RUBRICS:

- Quiz / Assignment/ Viva Voce/ Discussion / Seminar
- Internal Exam
- Practical Assignments (20%)
- Final Exam (70%)

MAPPING OF COs TO ASSESSMENT RUBRICS:

	Internal Exam	Quiz / Assignment/ Viva Voce/ Discussion / Seminar	Practical Assignment	End Semester Examination
CO 1	✓	✓		✓
CO 2	✓	✓	✓	✓
CO 3	✓	✓	✓	✓
CO 4	✓	✓	✓	✓
CO 5	✓	✓		✓
CO 6	✓	✓		✓

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Programme	B.A. Economics with Foreign Trade Honours
Course Title	**INDUSTRIAL ECONOMICS**
Type of Course	**Elective**
Semester	VI
Academic Level	300-399

Course Details	Credit	Lecture per week	Tutorial per week	Practical per week	Total Hours
	4	4	-	-	60

Pre-requisites	Economics course of 200 – 299 level
Course Summary	This course is designed to explore the basic concepts, nature and scope, theories and practices of industrial economics in a cogent and analytical manner particularly in the Indian context.

COURSE OUTCOMES (CO):

CO	CO Statement	Cognitive Level*	Knowledge Category#	Evaluation Tools used
CO1	Identify the basic concepts and scope of Industrial Economics	U	C	Instructor-created exams / Quiz
CO2	Analyse the different forms of organisation and its motives	An	C	Instructor-created exams /Practical Assignment
CO3	Examine the general determinants and approaches of industrial location and explore the motives of mergers and acquisition	An	C	Instructor-created exams/ Seminar Presentation / Group Discussion/
CO4	Evaluate the major source of industrial finance, financial statements, Ratio analysis and break-even analysis procedures in the Indian context.	E	p	Instructor-created exams / Home Assignments/ Practical Assignment
CO5	Analyse basic investment decisions on the basis of project evaluation methods and cost benefit analysis	An	p	Instructor Created exams/Practical Assignment /Writing assignments
CO6	Access industrial practices prevailing in India on the basis of Industrial policy 1991, Labour rules, Industry innovations, Special economic zone, Ratio analysis and break-even point calculation etc	Ap	P	Debate/panel discussion/ survey /Assignments

* - Remember (R), Understand (U), Apply (Ap), Analyse (An), Evaluate (E), Create (C)

\# - Factual Knowledge(F) Conceptual Knowledge (C) Procedural Knowledge (P)
Metacognitive Knowledge (M)

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DETAILED SYLLABUS:

Module	Unit	Content	Hrs	Marks
I		**Basics and Scope of Industrial Economics**	**12**	**15**
	1	Nature and Scope of Industrial Economics	1	
	2	The organizational form and alternative motives of the firm	3	
	3	The concept of Production function and optimal input	3	
	4	Efficiency and Size of the firm	3	
	5	The effect of Firm size on other performance indicators and conduct	2	
II		**Industrial Location Analysis**	**12**	**15**
	6	The General determinants of industrial location	1	
	7	Geographical approaches to industrial location	3	
	8	Economic theories of industrial location	4	
	9	Operational approaches to industrial location	1	
	10	Industrial location trends in India	1	
	11	Concepts and motives for industrial diversification, vertical integration and mergers	2	
III		**Industrial Finance and Accounting**	**12**	**20**
	12	Types of finance and Sources of Industrial Finance (internal and external)	2	
	13	Contribution of various sources of finance in Indian Situation	2	
	14	Basic accounting procedure and financial statements (balance sheet and Profit &Loss account only)	3	
	15	Assessment of Financial soundness and Ratio analysis	3	
	16	Breakeven analysis and its application in financial management	2	
IV		**Investment Decisions**	**12**	**20**
	17	Nature and types of Investment decisions	1	
	18	Preparation of time profile of a project	2	
	19	Methods of project evaluation	4	
	20	Ranking of projects: NPV vs IRR	1	
	21	Risk and uncertainties in project proposal	2	
	22	Appraisal of public projects: social cost benefit analysis	2	
V		**Open Ended Module**	**12**	
	1	Conduct Student-led seminar on New Industrial policy 1991		
	2	Organize discussion on Industry and Innovation (Startup, Unicorn etc.		
	3	Conduct financial ratio analysis and breakeven analysis of selected companies		
	4	Organize a quiz competition on Labour rules in India		
	5	Panel discussion on Special Economic Zones: Progress and problems		

Note: The course is divided into five modules, with four modules together having total 22 fixed units and one open-ended module with a variable number of units. There are total 48 instructional hours for the fixed modules and 12 hours for the open-ended one. Internal assessments (30 marks) are split between the open-ended module (10 marks) and the fixed modules (20 marks). The final exam, however, covers only the 22 units from the fixed modules. The 70 marks shown in the last column, distributed over the first four modules, are only for the external examination.

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REFERENCE:
1. Barthwal, R.R (2018), Industrial Economics, 3RD Revised Edition, New Age International (p) Limited, New Delhi (Module 1,2,3,4&5)
2. Prasanna Chandra (1995), Financial Management-Theory and Practice- Tata McGraw Hill, New Delhi (Module 3&4)

ADDITIONAL READINGS
1. Hay D A and Morns D J (1979), Industrial Economics: Theory and Evidence, Oxford university Press
2. Roger Clarke (1985) Industrial Economics, Basil Blackwell, New York.
3. Smith D M (1971) Industrial Location: An Economic and Geographic Analysis- John Wiley, New York.
4. Francis Cherunilam (1994), Industrial Economics: Indian Perspective, Himalaya Publishing House, Mumbai.
5. Uma Kapila (2003), Understanding the problems of Indian Economy, Academic Foundation, New Delhi.
6. CDS: Balakrishnan P and Pushpangadan K (1994) Total Factor Productivity Growth in Indian Manufacturing: A Fresh Look- Working Paper No. 259, Thiruvananthapuram.

MAPPING OF COs WITH PSOs:

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9
CO 1	3	-	-	-	-	-	-	-	-
CO 2	1	2	-	2	-	-	-	-	-
CO 3	-	3	-	2	-	-	-	-	-
CO 4	-	-	-	3	-	-	-	2	-
CO 5	-	-	-	2	-	-	2	3	-
CO 6	-	-	-	-	-	-	2	3	

CORRELATION LEVELS:

Level	Correlation
-	Nil
1	Slightly / Low
2	Moderate / Medium
3	Substantial / High

ASSESSMENT RUBRICS:

- Quiz / Assignment/ Debate/ Discussion / Seminar/Survey
- Internal Exam
- Final Exam (70%)

MAPPING OF COs TO ASSESSMENT RUBRICS:

	Internal Exam	Quiz / Assignment/ Viva Voce/ Discussion / Seminar	Practical Assignment	End Semester Examination
CO 1	✓	✓		✓
CO 2	✓	✓		✓
CO 3	✓	✓	✓	✓
CO 4	✓	✓	✓	✓
CO 5	✓	✓	✓	✓
CO 6			✓	

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Programme	B.A. Economics with Foreign Trade Honours
Course Title	**AGRICULTURAL ECONOMICS**
Type of Course	**Elective**
Semester	VI
Academic Level	300-399

Course Details	Credit	Lecture per week	Tutorial per week	Practical per week	Total Hours
	4	4	-	-	60

Pre-requisites	Economics Course of 200 – 299 level
Course Summary	This course provides an overview of the role of agriculture in the economic development, Economics of agricultural production, Pricing of agricultural products and the features associated to agricultural productivity and Marketing.

COURSE OUTCOMES (CO):

CO	CO Statement	Cognitive Level*	Knowledge Category#	Evaluation Tools used
CO1	Understand the basic concepts and models of agricultural economics related to the economic development of a country	U	C	Instructor-created exams / Quiz/ Assignments
CO2	Analyse the theoretical foundations and optimization strategies of economics of agricultural production	An	C	Instructor-created exams /Practical Assignment
CO3	Evaluate the behaviour of demand, supply and agricultural product price and judge the relevance of government intervention in the price fixation	E	C	Instructor-created exams /Seminar Presentation / Group Discussion
CO4	Demonstrate the structure and techniques of agriculture marketing in Indian context	An	C	Instructor-created exams / Home Assignments
CO5	Analyse the major issues related to Indian agriculture and suggest new policies to overcome the issues associated with the Indian agriculture.	An	P	Writing assignments/ Survey / Seminar/ presentation/ Group Discussion

* - Remember (R), Understand (U), Apply (Ap), Analyse (An), Evaluate (E), Create (C)
# - Factual Knowledge(F) Conceptual Knowledge (C) Procedural Knowledge (P) Metacognitive Knowledge (M)

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Module	Unit	Content	Hrs	Marks
I		**Introduction to Agricultural Economics**	**12**	**20**
	1	Meaning, Nature and Scope of Agricultural Economics.	2	
	2	Role of agriculture in economic development	1	
	3	Models of agricultural development (Schultz, Lewis, Fei& Ranis, Mellor, and Boserup)	5	
	4	Interdependence between agriculture and industry	1	
	5	Terms of trade between agriculture and industry	1	
	6	Types of farming	2	
II		**Economics of Agricultural Production**	**18**	**25**
	7	Application of production function in Agriculture- Increasing and decreasing production function, Law of variable proportion, and the application of Cobb-Douglas production function in Agriculture	4	
	8	Factor- Product relationship	2	
	9	Factor-Factor relationship	2	
	10	Product-Product relationship	2	
	11	General condition of equilibrium covering all the relationships	2	
	12	Farm budgeting approach	2	
	13	Size of the Farm and Productivity debate	2	
	14	Measures of Farm Efficiency	2	
III		**Behaviour of Demand, Supply and Agricultural prices**	**10**	**15**
	15	Instability of agriculture-price instability, income instability, inelastic demand for and supply of agricultural products and measures for reducing instability in agriculture	2	
	16	Different views about supply response in agriculture	2	
	17	Objectives and elements of agricultural price policy	2	
	18	Features of an ideal agricultural price policy	2	
	19	Agricultural price policy in India and the need for revision of agricultural price policy in India	2	
IV		**Agricultural Marketing**	**8**	**10**
	20	Types of agricultural marketing	2	
	21	Efficiency of agricultural marketing and the measures to improve the efficiency of agricultural marketing in India	4	
	22	Measurement of marketable and marketed surplus	2	
V		**Open Ended (Arrange any two activities)**	**12**	
	1	Student led seminar on green revolution and ever green revolution		
	2	Discussion on rural unemployment and rural indebtedness		
	3	Assignment on land reforms and its impact on agriculture		
	4	Critically evaluate the role of WTO in Indian agriculture by analysing the reports related to World trade organisation and Indian agriculture		
	5	Organise a debate on Capital formation in Indian Agriculture- Public versus private investment		

Note: The course is divided into five modules, with four modules together having total 22 fixed units and one open-ended module with a variable number of units. There are total 48 instructional hours for the fixed modules and 12 hours for the open-ended one. Internal assessments (30 marks) are split

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between the open-ended module (10 marks) and the fixed modules (20 marks). The final exam, however, covers only the 22 units from the fixed modules. The 70 marks shown in the last column, distributed over the first four modules, are only for the external examination.

REFERENCE:
1. Soni R N (2013), Leading Issues in Agricultural Economics, 10th Edition, Vishal publishing co. Jalandhar. (Module 1,2,3,4&5)
2. Gupta P K (2018), Agricultural Economics,2ND Edition, Vrinda Publications (p)Ltd, Delhi. (Module 1,2,3,4&5)

ADDITIONAL READINGS
1. S. Subba Reddy, P. Raghu Ram, T.V. Neelakanta Sastry and I. Bhavani Devi (2012) Agricultural Economics, Oxford & IBH Publishing Co. Pvt. Ltd., New Delhi
2. S.A.R Bilgrami (2011), An Introduction to agricultural Economics, 2nd Edition, Himalaya publishing house, Mumbai.
3. Majumdar NA and Kapila Uma (2006), Indian Agriculture in the New Millennium Changing Perspective and Development Policy, Vol. I &II, Academic Foundation, New Delhi.
4. Vaidyanathan A (2010), Agricultural Growth in India: The Role of Technology, Incentives and Institutions, Oxford University Press, New Delhi.
5. A.N Agrawal (2006), Indian Economy; Problems of Development and Planning,32ND Edition, New Age International (p) Ltd. New Delhi.

MAPPING OF COs WITH PSOs:

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9
CO 1	3	1	-	-	-	-	-		
CO 2	1	3	-	1	-	-	1		
CO 3	1	2	-	3	-	-	-		
CO 4	1	3	1	2	-	-	-		
CO 5	1	2	-	3	-	-	3		

CORRELATION LEVELS:

Level	Correlation
-	Nil
1	Slightly / Low
2	Moderate / Medium
3	Substantial / High

ASSESSMENT RUBRICS:
- Quiz / Assignment/ Viva Voce/ Discussion / Seminar /Survey
- Internal Exam
- Practical Assignments
- Final Exam (70%)

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MAPPING OF COs TO ASSESSMENT RUBRICS:

	Internal Exam	Quiz / Assignment/ Viva Voce/ Discussion / Seminar	Practical Assignment	End Semester Examination
CO 1	✓	✓		✓
CO 2	✓	✓	✓	✓
CO 3	✓	✓		✓
CO 4	✓	✓	✓	✓
CO 5		✓	✓	

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Programme	B.A. Economics with Foreign Trade Honours				
Course Title	**INDIAN FINANCIAL MARKET**				
Type of Course	**Elective**				
Semester	VI				
Academic Level	300 - 399				
Course Details	Credit	Lecture per week	Tutorial per week	Practical per week	Total Hours
	4	4	-		60
Pre-requisites	Basic Economics Course of 200 – 299 level				
Course Summary	This course delves into the functioning and intricacies of financial markets, providing students with a comprehensive understanding of fundamental concepts, financial instruments, market structures, and services.				

COURSE OUTCOMES (CO):

CO	CO Statement	Cognitive Level*	Knowledge Category#	Evaluation Tools used
CO1	Understand the basic concepts of financial markets, financial instruments, and financial services.	U	C	Instructor-created exams / Quiz
CO2	Analyze theories of market efficiency, investment strategies, and risk management.	An	P	Practical Assignment
CO3	Evaluate the impact of market regulations, financial intermediaries, and technological advancements on financial markets.	E	F	Seminar Presentation / Group Discussion
CO4	Apply financial theories and concepts to analyze market trends, make investment decisions, and manage financial risks.	Ap	P	Instructor-created exams / Home Assignments
CO5	Foster critical thinking on financial market reforms, corporate governance, and ethical considerations in finance.	Ap	F	Viva Voce
* - Remember (R), Understand (U), Apply (Ap), Analyse (An), Evaluate (E), Create (C) # - Factual Knowledge(F) Conceptual Knowledge(C) Procedural Knowledge (P) Metacognitive Knowledge (M)				

DETAILED SYLLABUS:

Module	Unit	Content	Hrs	Marks
I		**An Introduction to Indian Financial System**	**10**	**12**
	1	Financial System- definitions- functions	1	
	2	Key elements of well-functioning financial system	2	
	3	Formal and Informal financial sectors in India - Structures	2	
	4	Components of Formal Financial Sector in India -	1	
	5	Financial Institutions-	1	
	6	Financial Markets	1	
	7	Financial Instruments - Financial services	1	
	8	Components of Informal financial sector in India	1	
II		**Indian Financial System - An Overview**	**15**	**24**
	9	Phase I - Pre 1951 Organisation	2	
	10	Phase II - 1951 to mid-eighties	3	
	11	Phase III - Post Nineties	2	
	12	Economic Reforms	2	
	13	Financial Sector Reforms	3	
	14	Committees and Recommendations	3	
III		**Money Market in India**	**15**	**24**
	15	Money Market - Definition- Functions	1	
	16	Role of Reserve Bank of India-	2	
	17	Steps to develop Money Market in India	1	
	18	Money Market Instruments - T-Bills, Commercial Papers, Commercial Bills, Certificates of Deposits-Call/Short Notice Money- Collaterised Borrowing and Lending Obligation (CBLO)	5	
	19	Tools for managing liquidity in Indian Money Market- Reserve Requirements, Interest rates, Prime Lending rate, Bank rate, Refinance from RBI, Liquidity Adjustment Facility, Repos	6	
IV		**Capital Market in India**	**8**	**10**
	20	Capital Market - Definition- Functions - Components - Capital Market Instruments - History of Indian Capital Market - Reforms in Indian Capital Market	3	
	21	Primary Market and Secondary Market - Instruments, Methods of raising capital, Role of Stock Exchanges - BSE and NSE, Trading Mechanism in Stock Exchanges	3	
	22	Derivative Market – Instruments	2	
V		**Open Ended Module**	**12**	
		Discussion: Stock Indices in India and its Calculations		
		Practical Assignments on Leading companies of India and Kerala		

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		Seminar on how to participate in Online Trading in Indian Capital Market		

Note: The course is divided into five modules, with four modules together having total 22 fixed units and one open-ended module with a variable number of units. There are total 48 instructional hours for the fixed modules and 12 hours for the open-ended one. Internal assessments (30 marks) are split between the open-ended module (10 marks) and the fixed modules (20 marks). The final exam, however, covers only the 22 units from the fixed modules. The 70 marks shown in the last column, distributed over the first four modules, are only for the external examination.

REFERENCE:

1. Bharati V Pathak (2011). The Indian Financial System Markets, Institutions and Services Dorling Kindersley (India) Pvt Ltd, Licensees of Pearson Education in South Asia(Module I,II,II, and IV)

ADDITIONAL READINGS

1. Borjas,G.J.(2020).Labour Economics.Mcgraw-Hill.
2. Boeri,T., & Ours,J.(2008). The Economics of Imperfect Labor Markets, Princeton University Press
3. Junankar,P.(2016).Economics of Labour Market.Palgrave.
4. Sapsford,D.,&Tzannatos,Z.(1993). The Economics of Labour the Market.
5. Fine,B.(1998).Labour Market Theory:A Constructive Reassessment.Routledge.
6. McConnel, C.,Brue,S.,&Mac,D.(2017).Contemporary LabourEconomics. McGraw-Hill Education
7. State planning Board, Economic Review, Thiruvananthapuram
8. https://mospi.gov.in>nsso-reports
9. https://dbie.rbi.org.in/#/dbie/home

MAPPING OF COs WITH PSOs:

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO 8	PSO 9
CO 1	3	-	-	-	-	-	-	-	-
CO 2	3	3	-	2	1	-	2	-	-
CO 3	-	3	-	2	-	-	-	-	-
CO 4	-	3	1	2	-	-	3	3	-
CO 5	-	3	-	2	-	-	1	3	-

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CORRELATION LEVELS:

Level	Correlation
-	Nil
1	Slightly / Low
2	Moderate / Medium
3	Substantial / High

ASSESSMENT RUBRICS:

- Quiz / Assignment/ Viva Voce/ Discussion / Seminar
- Internal Exam
- Practical Assignments (20%)
- Final Exam (70%)

MAPPING OF COs TO ASSESSMENT RUBRICS:

	Internal Exam	Quiz / Assignment/ Viva Voce/ Discussion / Seminar	Practical Assignment	End Semester Examination
CO 1	✓	✓		✓
CO 2	✓	✓	✓	✓
CO 3	✓	✓	✓	✓
CO 4	✓	✓	✓	✓
CO 5	✓	✓	✓	

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Programme	B.A. Economics with Foreign Trade Honours				
Course Title	**DEMOGRAPHY**				
Type of Course	Elective				
Semester	VI				
Academic Level	300-399				
Course Details	Credit	Lecture per week	Tutorial per week	Practical per week	Total Hours
	4	4	-	-	60
Pre-requisites	Economics Course of 200 – 299 level				
Course Summary	The course covers the dynamics of population growth, theoretical aspects of population, demographic data sources, empirical and policy implications of demographic issues in a developing country like India.				

COURSE OUTCOMES (CO):

CO	CO Statement	Cognitive Level*	Knowledge Category#	Evaluation Tools used
CO1	Understand the basic concepts, theories, policies and data sources of demography	U	C	Instructor-created exams / Quiz
CO2	Analyse the population dynamics with respect to fertility, mortality, nuptiality, migration and urbanisation	An	p	Instructor-created exams/ Practical Assignment /
CO3	Examine the age and sex composition of population in developed and less developed countries	E	C	Instructor-created exams/ Seminar Presentation / Observation of Practical Skills
CO4	Evaluate the effectiveness of India's current population policy in addressing the country's demographic challenges.	E	C	Instructor-created exams / Group Discussion Home Assignments/
CO5	Equip the students with practical skills needed to interpret contemporary demographic issues and to frame suitable demographic policies	C	P	Writing assignments/Group Discussion/ Viva Voce
* - Remember (R), Understand (U), Apply (Ap), Analyse (An), Evaluate (E), Create (C) # - Factual Knowledge(F) Conceptual Knowledge (C) Procedural Knowledge (P) Metacognitive Knowledge (M)				

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Detailed Syllabus:

Module	Unit	Content	Hrs	Marks
I		**Introduction to Demography**	**12**	**17**
	1	Nature and scope of population studies, population studies and Demography	1	
	2	Interrelation between Population studies and other Disciplines	1	
	3	Development of population studies	2	
	4	Theories of Population - Malthusian Theory, Optimum theory of population and theory of demographic transition	4	
	5	Sources of demographic data in India- Census, Civil Registration System, National Sample Survey, Demographic Survey – National Family Health survey (Recent report in detail)	4	
II		**Population Dynamics**	**16**	**23**
	6	Fertility- Meaning, Fecundity and fertility, sterility, Natural fertility, Factors affecting fertility.	2	
	7	Basic measures of Fertility: crude birth rate (CBR), general fertility rate (GFR), child-woman ratio (CWR), Age specific Fertility rate (ASFR), total fertility rate (TFR), gross reproduction rate (GRR), and net reproduction rate (NRR).	2	
	8	Mortality -Meaning; Sources of mortality Data, Factors affecting mortality	2	
	9	Basic measures of mortality: Crude death rate (CDR), Age specific death rate (ASDR), infant mortality rate (IMR), crude mortality rate (CMR), maternal mortality ratio (MMR), Neonatal mortality rate (NMR), standardised death rate (SDR) and Life tables	2	
	10	Nuptiality- Meaning; Concepts- age at marriage, Synthetic and decadal synthetic cohort methods- Mean age at widowhood and divorce- Trends in age at marriage	2	
	11	Migration: General terms and concepts, types of migration, factors affecting migration	3	
	12	Urbanization: concept and measurement, Recent trends in urban population.	3	
III		**Age and Sex Composition of population**	**10**	**15**
	13	Age pyramids: types, concepts of stationary, stable and quasi - stationary population	2	
	14	Patterns of sex and age structure in developed and developing countries	2	
	15	Age and sex structure in India	2	
	16	Benefits and issues associated with Demographic dividend	2	
	17	Ageing of population	2	
IV		**Population policy in India**	**10**	**15**
	18	History of Family planning in India	2	

	19	Family Planning Programme– Organisational structure, approaches to family planning programme implementation, family planning methods and achievements	3	
	20	The child survival and safe motherhood (CSSM) Programme	2	
	21	Reproductive and child health programme (RCH	1	
	22	National Population Policy 2000	2	
V		**Open Ended Module**	**12**	
	1	construct and interpret life tables based upon the latest population data		
	2	Conduct a ward level population survey to identify the age and sex composition of particular locality		
	3	Student-led seminars on key global demographic trends		
	4	Debate on population growth and sustainable development.		

Note: The course is divided into five modules, with four modules together having total 22 fixed units and one open-ended module with a variable number of units. There are total 48 instructional hours for the fixed modules and 12 hours for the open-ended one. Internal assessments (30 marks) are split between the open-ended module (10 marks) and the fixed modules (20 marks). The final exam, however, covers only the 22 units from the fixed modules. The 70 marks shown in the last column, distributed over the first four modules, is only for the external examination.

REFERENCE:

1. Asha A. Bhende & Tara Kanitkar (2019). Principles of Population Studies. Nineteenth Edition, Himalaya Publishing house, Mumbai (Module 1 ,2, 3 &4)
2. S. N. Agarwala (1997) India's Population Problems. Second Edition McGraw-Hill Publishing company Ltd. New Delhi (Module 2,3&4)
3. UNCTAD Handbook of Statistics 2023(Module 3, Unit 14)

ADDITIONAL READINGS

1. Nancy E Riley & James McCarthy (2003) Demography in the age of postmodern. First Edition, Cambridge University Press, UK
2. Srinivasan, K. And A. Shariff (1998), India: Towards Population and Demographic goals, Oxford University Press, New Delhi
3. J N Desai M.L Jhingan, B.K Bhatt (2016), 'Demography' Vrinda Publications (P) Ltd
4. Government of India: Census of India and Related Monographs and Reports.
5. U.N: Methods of Measuring Internal Migration- 1979
6. Bose, A., (1996), India's Basic Demographic Statistics, B. Publishing Corporation, New Delhi

MAPPING OF COs WITH PSOs:

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9
CO 1	3	-	-	-	-	-	-	-	-
CO 2	-	2	-	3	2	-	2	-	-
CO 3	-	2	-	3	-	-	2	-	-
CO 4	-	1	-	2	-	-	3	3	-
CO 5	-	3	-	2	-	-	1	3	-

CORRELATION LEVELS:

Level	Correlation
-	Nil
1	Slightly / Low
2	Moderate / Medium
3	Substantial / High

ASSESSMENT RUBRICS:

- Quiz / Assignment/ Viva Voce/ Discussion / Seminar
- Internal Exam
- Practical Assignments (20%)
- Final Exam (70%)

MAPPING OF COs TO ASSESSMENT RUBRICS:

	Internal Exam	Quiz / Assignment/ Viva Voce/ Discussion / Seminar	Practical Assignment	End Semester Examination
CO 1	✓	✓		✓
CO 2	✓	✓	✓	✓
CO 3	✓	✓	✓	✓
CO 4	✓	✓		✓
CO 5		✓	✓	

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Programme	B.A. Economics with Foreign Trade Honours				
Course Title	**BASIC METHODS FOR ECONOMIC RESEARCH**				
Type of Course	**Elective**				
Semester	VI				
Academic Level	300 - 399				
Course Details	Credit	Lecture per week	Tutorial per week	Practical per week	Total Hours
	4	4	-	-	60
Pre-requisites	Economics course of 200 – 299 level				
Course Summary	This course seeks basic information about research and its ideas, literature, formation, analysis, interpretation, and presentation.				

COURSE OUTCOMES (CO):

CO	CO Statement	Cognitive Level*	Knowledge Category#	Evaluation Tools used
CO1	Understand the historical and philosophical ideas of social research.	U	C	Instructor-created exams / Quiz
CO2	Identification of a research problem and analysis of its cause-and-effect relationship.	An	P	Practical Assignment
CO3	To apply scientific Methods in research.	Ap	F	Seminar Presentation / Group Discussion
CO4	To analyse and interpret data with appropriate tools	Ap	C	Instructor-created exams / Home Assignments
CO5	Create new research tools, concepts, and theories and apply to present world situation.	E	M	Viva
* - Remember (R), Understand (U), Apply (Ap), Analyse (An), Evaluate (E), Create (C) # - Factual Knowledge(F) Conceptual Knowledge (C) Procedural Knowledge (P) Metacognitive Knowledge (M)				

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DETAILED SYLLABUS:

Module	Unit	Content	Hrs	Marks
I		**Fundamentals of Research**	**11**	**15**
	1	Research– Meaning, Objectives, Importance, characteristics of good research	1	
	2	The relation between theory and research	1	
	3	Research methods v/s Methodology	1	
	4	Types of research– Descriptive v/s Analytical, Applied v/s Fundamental, Quantitative v/s Qualitative, Conceptual v/s Empirical	4	
	5	Scientific and Social research	1	
	6	Special features of social research	1	
	7	Different approaches in social research.	1	
	8	The importance of surveying existing literature in economic research.	1	
II		**Research Design**	**13**	**20**
	9	Research Formulation – Identifying, defining and formulating the research problem	2	
	10	Importance of literature review in defining a problem - Identifying research gap - Development of working hypothesis	4	
	11	Research design – Basic Principles- Need of research design — Features of good research design – Components of Research Design	3	
	12	Methods of Research Design- Exploratory, diagnostic and experimental studies- Deductive and inductive method- Static and dynamic method- Historical and dialectical method- Case study method	3	
	13	Interdisciplinary research.	1	
III		**Sources and Collection of Data**	**9**	**13**
	14	Execution of the research - Observation and Collection of data	1	
	15	Methods of data collection – Primary data and Secondary data	1	
	16	Primary Data - Meaning, sources, merits and demerits, collection of Data - survey method, observation method, Interview method, questionnaires, schedules	5	
	17	Secondary data – Meaning, sources, merits and demerits	1	
	18	Concepts of Universe, Population and sample.	1	
IV		**Analysis of Data and Presentation**	**15**	**22**
	19	Data preparation and preliminary analysis - editing, coding, data entry, exploring, displaying.	5	
	20	Examining data - frequency tables, bar charts, pie charts, histograms, use of percentages	4	
	21	Reporting and report writing	1	
	22	Components – prefatory items, introduction, methodology, findings, conclusions, appendices,	5	

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		bibliography, referencing and footnotes.		
V		**Open Ended Module**	**12**	
	1	Application of statistical tools in economic research		
	2	Develop and present a comprehensive economic research paper.		

Note: The course is divided into five modules, with four modules together having total 22 fixed units and one open-ended module with a variable number of units. There are total 48 instructional hours for the fixed modules and 12 hours for the open-ended one. Internal assessments (30 marks) are split between the open-ended module (10 marks) and the fixed modules (20 marks). The final exam, however, covers only the 22 units from the fixed modules. The 70 marks shown in the last column, distributed over the first four modules, are only for the external examination.

REFERENCE:

1. C.R. Kothari, Research Methodology – Methods and Techniques (Second revised edition), New Age International Publishers 2010.

ADDITIONAL READINGS:

1. Bryman A. (2012). Social Research Methods, Oxford University Press
2. Bernard R. (2013). Social Research Methods: Qualitative and Quantitative Approaches, Sage
3. Garg, B.L., Karadia, R., Agarwal, F. and Agarwal, U.K., 2002. An introduction to Research Methodology, RBSA Publishers.
4. Neumann, W. L. (2007). Basics of Social Research: Qualitative and Quantitative Approaches. Boston, MA: Pearson Education.
5. Sinha, S.C. and Dhiman, A.K., 2002. Research Methodology, Ess Publications.2 volumes.
6. Trochim, W.M.K., 2005. Research Methods: the concise knowledge base, Atomic Dog Publishing.
7. Wadehra, B.L. 2000. Law relating to patents, trademarks, copyright designs and geographical indications. Universal Law Publishing.
8. Anthony, M., Graziano, A.M. and Raulin, M.L., 2009. Research Methods: A Process of Inquiry, Allyn and Bacon.
9. Coley, S.M. and Scheinberg, C. A., 1990, "Proposal Writing", Sage Publications.
10. Day, R.A., 1992.How to Write and Publish a Scientific Paper, Cambridge University Press.
11. Fink, A., 2009. Conducting Research Literature Reviews: From the Internet to Paper. Sage Publications
12. Adler, E. S. And Clark, R. (2011). An Invitation to Social Research. Belmont, CA:
13. Cengage Learning
14. Babbie, E. (2008). Basics of Social Research. Belmont, CA: Thomson Learning. Ch 1-Human Inquiry and Science (pp. 3-31).

MAPPING OF COs WITH PSOs:

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9
CO 1	3	-	-	-	-	-	-	-	-
CO 2	-	3	-	2	-	-	2	3	3
CO 3		2	-	2	-		-	2	3
CO 4	-	3	2	3	-	2	3	3	-
CO 5	3	-	-	-	-	2	2	-	3

CORRELATION LEVELS:

Level	Correlation
-	Nil
1	Slightly / Low
2	Moderate / Medium
3	Substantial / High

ASSESSMENT RUBRICS:

- Quiz / Assignment/ Viva Voce/ Discussion / Seminar
- Internal Exam
- Practical Assignments (20%)
- Final Exam (70%)

MAPPING OF COs TO ASSESSMENT RUBRICS:

	Internal Exam	Quiz / Assignment/ Viva Voce/ Discussion / Seminar	Practical Assignment	End Semester Examination
CO 1	✓	✓		✓
CO 2	✓	✓	✓	✓
CO 3	✓	✓	✓	✓
CO 4	✓	✓	✓	✓
CO 5	✓	✓	✓	

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Programme	B.A. Economics with Foreign Trade Honours				
Course Title	**ECONOMIC GEOGRAPHY**				
Type of Course	**Elective**				
Semester	VI				
Academic Level	300 - 399				
Course Details	Credit	Lecture per week	Tutorial per week	Practical per week	Total Hours
	4	4	-	-	60
Pre-requisites	Economics Course of 200 – 299 level				
Course Summary	This course is designed for Economics students interested in understanding the spatial dimensions of economic activities and the impact of geographical factors on economic development. It combines economic theories with a focus on regional disparities, trade patterns, and the role of space in shaping economic outcomes.				

COURSE OUTCOMES (CO):

CO	CO Statement	Cognitive Level*	Knowledge Category#	Evaluation Tools used
C01	To remember the knowledge to key social and economic issues in the context of economic globalisation	R	F	Discussion / Debates
CO2	Understand the basic concepts in Economic Geography	U	C	Instructor-created exams / Quiz
CO3	Analyse and apply key concepts and theoretical approaches in economic geography	An	P	Practical Assignment
CO4	Discuss and critically evaluate these concepts and theoretical approaches	Ap	F	Seminar Presentation / Group Discussion
CO5	Apply these concepts and theoretical approaches to key social and economic issues in the context of economic globalisation	Ap	C	Instructor-created exams / Home Assignments
CO6	Discuss policy options for overcoming inequality and uneven development in the globalising world	E	M	Viva
* - Remember (R), Understand (U), Apply (Ap), Analyse (An), Evaluate (E), Create (C) # - Factual Knowledge(F) Conceptual Knowledge (C) Procedural Knowledge (P) Metacognitive Knowledge (M)				

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DETAILED SYLLABUS:

Module	Unit	Content	Hrs	Marks
I		**Space and Economy: Some facts**	**8**	**12**
	1	Spatial Inequalities: A Brief Historical Overview	3	
	2	The Space-Economy and the Industrial Revolution	2	
	3	Regional Disparities: When an Ancient Phenomenon Becomes Measurable	3	
II		**Space in Economic Thought**	**21**	**31**
	4	Economics and Geography: A Puzzling History of Reciprocal Ignorance	3	
	5	Definition of Economic Geography	2	
	6	Nature of Economic Geography	2	
	7	Scope and importance of Economic Geography	2	
	8	Recent trends and approaches in economic geography.	2	
	9	Neo-classical-inspired	2	
	10	Location theory	2	
	11	Marxist-inspired approaches,	2	
	12	Evolutionary and institutionalist inspired approaches,	2	
	13	New economic geography	2	
III		**Economic Activity and Space**	**6**	**9**
	14	Location of Economic Activity-Agricultural Location theory of Von Thunen.	2	
	15	Location of Secondary Activity- Industrial Location Theory of A.Weber and E. Hoover	2	
	16	Location of Tertiary Activity-Contribution of Walter Christaller and August Losch.	2	
IV		**New Economic Geography (NEG)**	**13**	**18**
	17	Emergence of a new global economy -transnational integration and its spatial outcomes.	3	
	18	Core-Periphery Model (Krugman Model)	2	
	19	Baldwin-Forslid Model	2	
	20	Venables Model	2	
	21	Helpman-Krugman Model	2	
	22	Melitz Model	2	
V		**Open Ended Module**	**12**	
		Investigate and analyse economic disparities between two regions using various indicators		

Note: The course is divided into five modules, with four modules together having total 22 fixed units and one open-ended module with a variable number of units. There are total 48 instructional hours for the fixed modules and 12 hours for the open-ended one. Internal assessments (30 marks) are split between the open-ended module (10 marks) and the fixed modules (20 marks). The final exam, however, covers only the 22 units from the fixed modules. The 70 marks shown in the last column, distributed over the first four modules, are only for the external examination.

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2. Economic Geography: The Integration of Regions and Nations, Authors: Pierre-Philippe Combes , Jacques-François Thies , Thierry Mayer(2008)

ADDITIONAL READINGS:

Books

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Journals

1. Amin, A. and N. Thrift 'Neo-Marshallian Nodes in Global Networks', International Journal of Urban and Regional Research (16) 1992, pp.571–87.
2. Asheim, B. 'Industrial Districts as "Learning Regions": a condition for prosperity', European Planning Studies 4(4) 1996, pp.379–400.
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10. Smith, A., A. Rainnie, M. Dunford, J. Hardy, R. Hudson and D. Sadler 'Networks of Value, Commodities and Regions: Reworking Divisions of Labour in Macro-regional Economies', Progress in Human Geography 26(1) 2002, pp.41–63

MAPPING OF COs WITH PSOs:

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9
CO 1	3	-	-	-	-	-	-	-	-
CO 2	-	3	-	2	-	-	2	3	3
CO 3		2	-	2	-		-	2	3
CO 4	-	3	2	3	-	2	3	3	-
CO 5	3	-	-	-	-	2	2	-	3

CORRELATION LEVELS:

Level	Correlation
-	Nil
1	Slightly / Low
2	Moderate / Medium
3	Substantial / High

ASSESSMENT RUBRICS:

- Quiz / Assignment/ Viva Voce/ Discussion / Seminar
- Internal Exam
- Practical Assignments (20%)
- Final Exam (70%)

MAPPING OF COs TO ASSESSMENT RUBRICS:

	Internal Exam	Quiz / Assignment/ Viva Voce/ Discussion / Seminar	Practical Assignment	End Semester Examination
CO 1	✓	✓		✓
CO 2	✓	✓	✓	✓
CO 3	✓	✓	✓	✓
CO 4	✓	✓	✓	✓
CO 5	✓	✓	✓	

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Programme	B.A. Economics with Foreign Trade Honours
Course Title	**FOREIGN EXCHANGE MANAGEMENT**
Type of Course	**Elective**
Semester	VI
Academic Level	300-399

Course Details	Credit	Lecture per week	Tutorial per week	Practical per week	Total Hours
	4	4	-	-	60

Pre-requisites	Economics Courses of 200 – 299 level
Course Summary	This course help students to understand how the foreign exchange markets operate, different exchange systems that exist, analyse global currency dynamics and strategies for managing foreign exchange risks.

COURSE OUTCOMES (CO):

CO	CO Statement	Cognitive Level*	Knowledge Category#	Evaluation Tools used
CO1	Give a specialized knowledge on basic concepts of Foreign exchange	U	C	Instructor-created exams / Quiz
CO2	Examine the features and characteristics of foreign exchange market.	U	C	Practical Assignment / Observation of Practical Skills
CO3	Understand exchange rate fluctuation and exchange rate determination	U	P	Seminar Presentation / Group Discussion
CO4	Analyse exchange control measures, polices and regulations	An	P	Instructor-created exams / Home Assignments
CO5	Understand the foreign exchange risks and its management.	U	F	Writing assignments
CO6	Create an understanding of foreign exchange Management in India	C	M	Viva Voce

* - Remember (R), Understand (U), Analyse (An), Analyse (An), , Create (C)

\# - Factual Knowledge(F) Conceptual Knowledge (C) Procedural Knowledge (P) Metacognitive Knowledge (M)

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Module	Unit	Content	Hrs	Marks
I		**Foreign Exchange Markets**	**13**	**20**
	1	Foreign exchange: meaning and significance	2	
	2	Foreign exchange market : meaning and functions	2	
	3	Participants of foreign exchange market	2	
	4	Transactions in foreign exchange market	3	
	5	Foreign exchange management: meaning and importance	2	
	6	Scope of Foreign exchange management	2	
II		**Exchange Rate**	**20**	**20**
	5	Exchange rate- concept	2	
	6	Determination of equilibrium exchange rate	2	
	7	Exchange rate changes	2	
	8	Determinants of exchange rate	2	
	9	Exchange rate regimes –Fixed exchange rate,	2	
	10	Flexible exchange rate	2	
	11	Hybrid exchange rate	2	
	12	Theories of exchange rate determination-Purchasing power parity theory	2	
	13	Theories of exchange rate determination- Mint Parity theory	2	
	14	Theories of exchange rate determination- Balance of payment theory	2	
III		**Foreign Exchange Control and its Impact**	**7**	**15**
	15	Exchange control measures: Need and Forms	2	
	16	Foreign exchange reserves in India	2	
	17	Monetary and fiscal policy initiatives for exchange rate management in India	3	
IV		**Foreign Exchange Risks**	**8**	**15**
	18	Definition of Foreign exchange risks	2	
	19	Types of exchange rate risk- transaction risk, translation risk, economic risk	3	
	20	Management of exchange rate risks	3	
V		**Real World and Barriers to International Trade**	**12**	
		Discussion on foreign exchange management in India		
		Assignments on forward contracts		
		Seminar on the effect of trade barriers and exchange rates on trade and economy		

Note: The course is divided into five modules, with four modules together having total 22 fixed units and one open-ended module with a variable number of units. There are total 48 instructional hours for the fixed modules and 12 hours for the open-ended one. Internal assessments (30 marks) are split between the open-ended module (10 marks) and the fixed modules (20 marks). The final exam, however, covers only the 22 units from the fixed modules. The 70 marks shown in the last column, distributed over the first four modules, are only for the external examination.

REFERENCE:

1. Shapiro C. Alan - Multinational Financial Management-Wiley India Pvt. Ltd.
2. Maurice D. Levi - International Finance - Routledge.
3. K. S. Sharma- Institutional Structures of Capital Markets in India-Writers and Publishers, Corp.; sole distributors: Sterling Publishers, Delhi.
4. Rodriguez & Carter. - International Financial Management-Prentice Hall
5. Keith Pilbeam. - International Finance - Palgrave Macmillan.
6. V.A.Avadhani. – Marketing of Financial Services and Market- Himalaya Publishing House.
7. V.A.Avadhani- International Financial Management- Himalaya Publishing House.
8. P G Apte - International Financial Management -Tata McGraw Hill Publishing Company Ltd.
9. Vyuptakesh Sharan - International Financial Management-Prentice Hall India.
10. Jeff Madura - International Financial Management- Cengage Learning India Pvt. Ltd., New Delhi.

ADDITIONAL READINGS

1. Kevin S-Fundamentals of International Financial Management-Prentice Hall India.
2. Dun and Broadstreet- Foreign exchange Markets- Tata McGraw Hill Publishing Company Ltd.
3. Bekartgeert and drick J. Robert-International financial Managemen- PHI Learning Pvt. Ltd., New Delhi.
4. Rajwade A.V.-Cash & Derivatives markets in foreign exchange-Tata McGraw Hill education Pvt. Ltd., New Delhi.
5. Eiteman K. David et al- Multinational Business finance-Dorling Kindersley India Pvt. Ltd., New Delhi.
6. Eun School and Resnick Bruce-International Financial Management- Tata McGraw hill publishing company Ltd., New Delhi.
7. Francis Cherunmilam - International Business- Prentice Hall India

MAPPING OF COs WITH PSOs:

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9
CO 1	3	1	-	-	-	-	1	2	-
CO 2	1	-	-	-	-	-	1	2	-
CO 3	1	-	-	-	-	--	-	2	-
CO 4	1	-	--	-	--	-	2	3	-
CO 5	2	-	-	-	-	-	1	3	-
CO 6	-	-	3	-	-	-	3	3	-

CORRELATION LEVELS:

Level	Correlation
-	Nil
1	Slightly / Low
2	Moderate / Medium
3	Substantial / High

ASSESSMENT RUBRICS:

- Quiz / Assignment/ Viva Voce/ Discussion / Seminar
- Internal Exam
- Practical Assignments (20%)
- Final Exam (70%)

MAPPING OF COs TO ASSESSMENT RUBRICS:

	Internal Exam	Quiz / Assignment/ Viva Voce/ Discussion / Seminar	Practical Assignment	End Semester Examination
CO 1	✓	✓		✓
CO 2	✓	✓		✓
CO 3	✓	✓		✓
CO 4	✓	✓		✓
CO 5			✓	
CO 6			✓	

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Programme	B.A. Economics with Foreign Trade Honours				
Course Title	**COMPUTER APPLICATIONS IN FOREIGN TRADE.**				
Type of Course	**Elective**				
Semester	VI				
Academic Level	300-399				
Course Details	Credit	Lecture per week	Tutorial per week	Practical per week	Total Hours
	4	4	-	-	60
Pre-requisites	Economics Courses of 200 – 299 level				
Course Summary	This course designed to provide some basic computer skills that is useful in the field of foreign trade				

COURSE OUTCOMES (CO):

CO	CO Statement	Cognitive Level*	Knowledge Category#	Evaluation Tools used
CO1	Develop basic idea about computer	C	M	Instructor-created exams / Quiz
CO2	Develop proficiency in using basic computer applications like Word Processer and Spread sheet.	C	M	Practical Assignment / Observation of Practical Skills
CO3	Develop skills in using spreadsheet for analysing trade statistics	C	M	Seminar Presentation / Group Discussion
CO4	Analyse the role of computer and internet applications in e- commerce platforms	An	P	Instructor-created exams / Home Assignments
CO5	Understand the use of computer applications in international trade documentation	U	F	Writing assignments
CO6	Develop awareness about cyber security considerations in foreign trade	C	M	Viva Voce
* Understand (U), Analyse (An), Create (C)				
# - Factual Knowledge(F) Procedural Knowledge (P) Metacognitive Knowledge (M)				

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DETAILED SYLLABUS:

Module	Unit	Content	Hrs	Marks
I		**Introduction to Computer**	**9**	**15**
	1	Basic understanding of computer Hardware and Software	3	
	2	Introduction to common operating systems	2	
	3	Introduction to programming languages	2	
	4	File management	2	
II		**Word Processer**	**10**	**15**
	5	Using word processing software(MS word, Google Docs)	2	
	6	Document creation, editing, formatting and saving.	3	
	7	Inserting -a table, graph, image and video , header, footer and page number, equations.	3	
	8	Use of Word Processer in foreign trade	2	
III		**Spreadsheet**	**15**	**20**
	9	Introduction to excel(MS Excel, Google Sheets)	2	
	10	Basic data entry and formatting skills	2	
	11	Introduction to basic excel formulas	2	
	12	Basic data visualization using charts and graphs.	3	
	13	Use of excel in foreign trade and financial management	2	
	14	Creating simple tables for documenting trade transactions	2	
	15	Basic tracking of shipments and inventory using Excel	2	
IV		**E-commerce and Online Platforms in Foreign Trade**	**14**	**20**
	16	Introduction to E-commerce-Basic understanding of E-Commerce and its role in trade- Introduction to popular E-commerce platforms.	3	
	17	Online Marketplaces importance and impact	2	
	18	Cyber security in international trade- Awareness of online security threats-	2	
	19	Basic cyber security practices in e-commerce	2	
	20	Digitalization of trade documents	2	
	21	Understanding about block chain and its application&	2	
	22	Emerging technologies in foreign trade like AI and machine learning	1	
V		**Case Studies and Practical Applications**	**12**	
		Discussion Cyber security awareness Digital transformation in international trade Impact of emerging technologies in trade		

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		Practical Assignments -Application of learned skill to a real project - Software's used in foreign trade		
		Seminar on considerations of ethical and social aspects related to technology in international trade Practical applications of AI in foreign trade		

Note: The course is divided into five modules, with four modules together having total 22 fixed units and one open-ended module with a variable number of units. There are total 48 instructional hours for the fixed modules and 12 hours for the open-ended one. Internal assessments (30 marks) are split between the open-ended module (10 marks) and the fixed modules (20 marks). The final exam, however, covers only the 22 units from the fixed modules. The 70 marks shown in the last column, distributed over the first four modules, are only for the external examination.

REFERENCES

1. Computer Fundamentals" by P.K. Sinha:
2. "Information Technology for Management" by Henry C. Lucas Jr. and S. K. Bhatia:
3. Computer Applications in Management" by P. K. Yajnik:
4. "Computer Fundamentals and Applications" by Dr. Anita Goel and Dr. S. K. Srivastava:
5. "Computer Fundamentals" by B. Ram:
6. Introduction to Computers and C Programming" by S. K. Bajpai and P. B. Kotur:

ADDITIONAL READINGS

1. "Information Technology for Management: Advancing Sustainable, Profitable Business Growth" by Efraim Turban, Linda Volonino, and Gregory R. Wood:
2. International Business: Environments and Operations" by John D. Daniels, Lee H. Radebaugh, and Daniel P. Sullivan:

MAPPING OF COs WITH PSOs:

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9
CO 1	3	-	-	-	-	-	-	2	-
CO 2	-	-	-	3	-	3	-	2	-
CO 3	-	-	-	3	-	3	-	3	-
CO 4	-	-	2	3	-	-	3	2	-
CO 5	-	-	-	2	-	-	-	3	-
CO 6	-	2	-	-	-	-	-	3	-

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CORRELATION LEVELS:

Level	Correlation
-	Nil
1	Slightly / Low
2	Moderate / Medium
3	Substantial / High

ASSESSMENT RUBRICS:

- Quiz / Assignment/ Viva Voce/ Discussion / Seminar
- Internal Exam
- Practical Assignments (20%)
- Final Exam (70%)

MAPPING OF COs TO ASSESSMENT RUBRICS:

	Internal Exam	Quiz / Assignment/ Viva Voce/ Discussion / Seminar	Practical Assignment	End Semester Examination
CO 1	✓		✓	✓
CO 2	✓		✓	✓
CO 3	✓		✓	✓
CO 4	✓		✓	✓
CO 5	✓		✓	✓
CO 6		✓		

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Programme	B.A. Economics with Foreign Trade Honours				
Course Title	**SOCIAL CHOICE THEORY**				
Type of Course	**Elective**				
Semester	VIII				
Academic Level	400 – 499				
Course Details	Credit	Lecture per week	Tutorial per week	Practical per week	Total Hours
	4	4	-	-	60
Pre-requisites	Course on Microeconomics and Macroeconomics of level 300 – 399				
Course Summary	This course is intended to introduce various topics in social choice theory, which is a formal analysis of general preference aggregation and voting rules.				

COURSE OUTCOMES (CO):

CO	CO Statement	Cognitive Level*	Knowledge Category#	Evaluation Tools used
C01	To understand the historical background and development of social choice theory.	U	F	Discussion / Debates
CO2	To discuss and develop the concepts in social choice theory.	Ap	C	Instructor-created exams / Quiz
CO3	Demonstrate how individual choices in a society can be aggregated and translated into a collective choice	An	P	Practical Assignment
CO4	Discuss and critically evaluate the theories in social choice.	Ap	F	Seminar Presentation / Group Discussion
CO5	Examine how collective decision-making processes influence the well-being of society.	Ap	C	Instructor-created exams / Home Assignments
CO6	Empirical analysis of social choice theory in political decision-making processes.	E	M	Project
* - Remember (R), Understand (U), Apply (Ap), Analyse (An), Evaluate (E), Create (C) # - Factual Knowledge(F) Conceptual Knowledge (C) Procedural Knowledge (P) Metacognitive Knowledge (M)				

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Module	Unit	Content	Hrs	Marks
I		**Elements of Social Choice Theory**	**9**	**13**
	1	Historical Background and development of social choice theory.	3	
	2	A special case with two alternatives- Simple Majority.	2	
	3	May's Theorem	2	
	4	Condorcet winner criterion	2	
II		**General Difficulties of Preference Aggregation**	**20**	**29**
	5	Binary relations	2	
	6	Preference Aggregation rule	2	
	6	Arrow's Theorem	2	
	7	Possibilities of preference aggregation	2	
	8	The liberal paradox	2	
	9	The Gibbard-Satterthwaite theorem	2	
	10	The aggregation of welfare measures or qualitative	2	
	11	Sen's extension of Arrow's framework	2	
	12	The aggregation of judgments	2	
	13	The paradoxes of judgment aggregation	2	
III		**Voting Rules**	**10**	**15**
	14	Majoritarian methods- Sequential majority	2	
	15	Copeland voting rule	2	
	16	Positional Methods- Plurality	2	
	17	Approval Voting	2	
	18	Borda Score Voting rule	2	
IV		**Liberal Paradox**	**9**	**13**
	19	Sen's Libral Paradox	3	
	20	Gibbard's modification	2	
	21	Escape routes	2	
	22	Game Forms and Liberal Paradox.	2	
V		**Open ended module**	**12**	
	1	Social choice in political contexts: Parliamentary systems		
	2	Economic implications of voting rules in legislatures Empirical analysis of political decision-making processes		

Note: The course is divided into five modules, with four modules together having total 22 fixed units and one open-ended module with a variable number of units. There are total 48 instructional hours for the fixed modules and 12 hours for the open-ended one. Internal assessments (30 marks) are split between the open-ended module (10 marks) and the fixed modules (20 marks). The final exam, however, covers only the 22 units from the fixed modules. The 70 marks shown in the last column, distributed over the first four modules, are only for the external examination.

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REFERENCE:

1. Handbook of Social Choice and Welfare edited by Kenneth Joseph Arrow, Amartya Sen, Kōtarō Suzumura
2. A.K.Sen (2017), Collective Choice and Social Welfare,Expanded Edition, Penguin.
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4. A.K. Sen (1986), Social Choice Theory in Arrow and Intrilligator (ed) Handbook of Mathematical Economics,Vol III, North Holland.

ADDITIONAL READINGS:

1. Kenneth J. Arrow (1963), *Social Choice and IndividualValues,* 2nd ed., Wiley.
2. K. Suzumura (1983), *Rational Choice, Collective Decisions and social Welfare,* Cambridge UniversityPress.
3. Wriglesworth (1985), *Libertarian Conflicts in SocialChoice,* Cambridge University Press.
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7. Gaertner, Pattanaik and Suzumura (1992), IndividualRights Revisited, *Economica.*
8. A. Gibbard (1974), A Pareto Consistent Libertarian Claim,
    a. *Journal of Economic Theory.*

MAPPING OF COs WITH PSOs:

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9
CO 1	3	-	-	-	-	-	-	-	-
CO 2	-	3	-	2	-	-	2	3	3
CO 3		2	-	2	-		-	2	3
CO 4	-	3	2	3	-	2	3	3	-
CO 5	3	-	-	-	-	2	2	-	3

CORRELATION LEVELS:

Level	Correlation
-	Nil
1	Slightly / Low
2	Moderate / Medium
3	Substantial / High

ASSESSMENT RUBRICS:

- Quiz / Assignment/ Viva Voce/ Discussion / Seminar
- Internal Exam
- Practical Assignments (20%)
- Final Exam (70%)

MAPPING OF COs TO ASSESSMENT RUBRICS:

	Internal Exam	Quiz / Assignment/ Viva Voce/ Discussion / Seminar	Practical Assignment	End Semester Examination
CO 1	✓	✓		✓
CO 2	✓	✓	✓	✓
CO 3	✓	✓	✓	✓
CO 4	✓	✓	✓	✓
CO 5	✓	✓	✓	

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Programme	B.A. Economics with Foreign Trade Honours				
Course Title	**BANKING AND INSURANCE**				
Type of Course	**Elective**				
Semester	VIII				
Academic Level	400 – 499				
Course Details	Credit	Lecture per week	Tutorial per week	Practical per week	Total Hours
	4	4	-	-	60
Pre-requisites	Economics Course of 200 – 299 level				
Course Summary	Students understand the banking and insurance practices. And at the end of the Course student will be able to evaluate banking procedure and also take up job in banks and insurance sector.				

COURSE OUTCOMES (CO):

CO	CO Statement	Cognitive Level*	Knowledge Category#	Evaluation Tools used
CO1	Understand the concept of banking and insurance	U	C	Instructor-created exams / Quiz
CO2	Analyze various banking services and insurance policies	Ap	P	Practical Assignment / Observation of Practical Skills
CO3	Evaluate different insurance and banking services	U	P	Seminar Presentation / Group Discussion
CO4	Apply the knowledge in day-to-day banking practices	Ap	C	Instructor-created exams / Home Assignments
CO5	Understand the practical knowledge in banking services	U	F	Writing assignments
CO6	Prepare students to take up jobs in banking and insurance sector	Ap	P	Visiting websites to understand and prepare for the examinations for IPBS and IRDA's insurance agent
* - Remember (R), Understand (U), Apply (Ap), Analyse (An), Evaluate (E), Create (C) # - Factual Knowledge(F) Conceptual Knowledge (C) Procedural Knowledge (P) Metacognitive Knowledge (M)				

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DETAILED SYLLABUS:

Module	Unit	Content	Hrs	Marks
		Types of Banks	**14**	
I	1	Banks- meaning and economic importance	2	20
	2	types of banks- Central Bank- Commercial banks- Development Cooperative banks- Structure and functioning	2	
	3	Development financial institutions (IFCI, IDBI, IIBI, SIDBI) -Specialized financial institutions (EXIM Bank-National Housing Bank-NABARD-MUDRA bank)	3	
	4	Specialized investment institutions (Pension funds- Hedge funds Mutual funds -UTI)-	2	
	5	Non Banking Financial Companies-Investment banks-Merchant banks.	5	
		Banking Services	**10**	
II	6	Types of accounts, KYC and Bank account, Loans, Money Transfer, Credit and debit cards, Lockers.	3	15
	7	Innovations in Banking Transactions-Mail transfer-Telegraphic transfer-MICR clearing- Automated clearing system-Electronic funds transfer-	2	
	8	Digital payment system- E-banking-Virtual payments systems	1	
	9	Internet banking- Mobile banking and mobile application, Home banking-Tele-banking-Core banking.	1	
	10	Why is Customer Service Important, key areas of customer's services, Customer service strategies in banking sector	2	
	11	Customer feedback and complaints	1	
		Banking Sector Reforms in India	**10**	
III	12	Banking sector reforms since 1991- Context, need and objectives-Implementations of the Narsimham Committee recommendations-	2	15
	13	Issues in banking sector reforms-	1	
	14	Priority sector lending-Asset classification	2	
	15	Non-performing assets-Capital adequacy norms-	2	
	16	Regulation of the banking sector-Board for Financial Supervision-Credit Information Bureau of India Limited (CIBIL)-Banking	2	
	17	Ombudsman - SARFAESI Act.	1	
		Insurance	**14**	
IV	18	Introduction to insurance: Purpose and need of insurance: Insurance as a social security tool	2	20
	19	Insurance and economic development	2	
	20	Fundamental Principles of Insurance, Reinsurance	2	
	21	Types of Insurance: Life Insurance, General Insurance: Marine, Fire, Medical, Health etc.	5	
	22	Actuarial science meaning, Regulatory agencies of insurance in India	3	
		Open Ended Module	**12**	
V		Learn about the legal framework within which banks and insurance companies operate.		

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Note: The course is divided into five modules, with four modules together having total 22 fixed units and one open-ended module with a variable number of units. There are total 48 instructional hours for the fixed modules and 12 hours for the open-ended one. Internal assessments (30 marks) are split between the open-ended module (10 marks) and the fixed modules (20 marks). The final exam, however, covers only the 22 units from the fixed modules. The 70 marks shown in the last column, distributed over the first four modules, are only for the external examination.

REFERENCE:

1. Sukhvinder Mishra, Banking law and practices, Sulthan chand publishing, New Delhi
2. Gordon and Natarajan, Banking- theory, law and practices, Himalaya Publishing house, New Delhi
3. M.N Mishra and S.B Mishra, Insurance- Principles and practices, Sulthan chand publishing, New Delhi

ADDITIONAL READINGS

1. MH de Kock: Central Banking- Universal Book Stall, New Delhi.

2. Meir Kohn(1996):Financial InstitutionsandMarkets-TataMcGrawHill.

3. Roger LeRoy Miller and DavidVanHoose (1993): Modern Money and Banking-McGraw-Hill International.

4. Mishra M.N: Insurance Principles and practice; S. Chand and co, New Delhi.

5. Insurance principles and practice - Moorthy.A , Margham publications, Chennai

6. Jawed Akhtar and Shabbir Alam: Banking System in India: Reforms and Performance Evaluation- New Century Publications, New Delhi.

MAPPING OF COs WITH PSOs:

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7
CO 1	3	-	-	-	-	-	-
CO 2	-	3	-	1	-	-	2
CO 3	3	-	-	1	-	-	-
CO 4	-	3	1	2	-	-	3
CO 5	3	-	-	-	-	-	2
CO 6	-	2	2	3	3	-	3

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CORRELATION LEVELS:

Level	Correlation
-	Nil
1	Slightly / Low
2	Moderate / Medium
3	Substantial / High

ASSESSMENT RUBRICS:

- Quiz / Assignment/ Viva Voce/ Discussion / Seminar
- Internal Exam
- Practical Assignments (20%)
- Final Exam (70%)

MAPPING OF COs TO ASSESSMENT RUBRICS:

	Internal Exam	Quiz / Assignment/ Viva Voce/ Discussion / Seminar	Practical Assignment	End Semester Examination
CO 1	✓	✓		✓
CO 2	✓		✓	✓
CO 3	✓	✓		✓
CO 4	✓	✓		✓
CO 5		✓	✓	
CO 6			✓	

200

Programme	B.A. Economics with Foreign Trade Honours
Course Title	**ECONOMICS OF EDUCATION**
Type of Course	**Elective**
Semester	VIII
Academic Level	400 - 499

Course Details	Credit	Lecture per week	Tutorial per week	Practical per week	Total Hours
	4	4	-	-	60

Pre-requisites	Basic Economics Courses of 200 – 299 level
Course Summary	This course provides an overview of economics of education to lay out the evidence as clearly as possible, note agreements, disagreements, and unresolved points in literature, and to help students develop the tools necessary to draw their own conclusions.

COURSE OUTCOMES (CO):

CO	CO Statement	Cognitive Level*	Knowledge Category#	Evaluation Tools used
CO1	To explore the interrelationship between economics and education in the modern society	U	F	Instructor-created exams / Quiz
CO2	To examine the demand, supply, costs and benefits of education within the purview of economic development	Ap	P	Practical Assignment / Observation of Practical Skills
CO3	To understand the economic imperative of manpower planning and human resource development for a country	U	P	Seminar Presentation / Group Discussion
CO4	To get an overview of the education scenario of both India and Kerala	Ap	P	Instructor-created exams / Home Assignments
* - Remember (R), Understand (U), Apply (Ap), Analyse (An), Evaluate (E), Create (C)				
# - Factual Knowledge(F) Conceptual Knowledge (C) Procedural Knowledge (P) Metacognitive Knowledge (M)				

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DETAILED SYLLABUS:

Module	Unit	Content	Hrs	Marks
I		**Education, Economics and the Modern Society**	**10**	**14**
	1	Education in the modern world	2	
	2	Socio-economic significance of education	2	
	3	Economists' perception of education	2	
	4	Education as a public/merit good	2	
	5	Economics of education: The subject matter, framework and significance	2	
II		**Education and Economic Development**	**12**	**18**
	6	Education as the prime mover of modern society	2	
	7	Education and economic growth	2	
	8	Indicators of economic and educational development	2	
	9	Stages of economic and educational development	2	
	10	Demand for education and its major determinants	2	
	11	Supply of Education and its major determinants	2	
III		**Cost and Benefits of Education**	**12**	**18**
	12	Education as an investment – Private return and social return	2	
	13	Costs and benefits of education – Direct and indirect social benefits – Cost-benefit analysis of education	4	
	14	Rate of return analysis	2	
	15	Input-output analysis	2	
	16	Wastage and stagnation in education	1	
	17	Educational budgets	1	
IV		**Human Capital and Manpower Planning**	**14**	**20**
	18	Economic imperative of human capital	2	
	19	Human resource development – Process of human resource development – Indicators of human resource development –	5	
	20	Linking education with the economy	2	
	21	Educational planning	2	
	22	Manpower planning – Features and techniques of manpower planning and forecasting	3	
V		**Open Ended Module**	**12**	
		Discussion based on the primary, secondary, higher secondary and higher education scenario of India and Kerala		
		Practical Assignments on Initiatives for educational development		
		Seminar on the new education policy and its impacts on the national and regional economy		

Note: The course is divided into five modules, with four modules together having total 22 fixed units and one open-ended module with a variable number of units. There are total 48 instructional hours for the fixed modules and 12 hours for the open-ended one. Internal assessments (30 marks) are split between the open-ended module (10 marks) and the fixed modules (20 marks). The final exam, however, covers only the 22 units from the fixed modules. The 70 marks shown in the last column, distributed over the first four modules, is only for the external examination.

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REFERENCE:
1. Chattopadhyay, S. (2012). Education and Economics: Disciplinary Evolution and Policy Discourse. OUP India. (All modules)

ADDITIONAL READINGS
1. Lovenheim, M., & Turner, S. E. (2019). Economics of education. Worth.
2. Brewer, D. J., & McEwan, P. J. (2010). Economics of education. Elsevier.
3. Rao, D. P. (2010). Economics of Education and human development in India: Essays in Honour of Prof. K.S. Chalam.
4. Akinyemi, S. (2013). The economics of education. Strategic Book Publishing.
5. Bhat, F. A., & Gull, K. (2018). An Introductory Economics of Education.
6. Lok, J. (2022). Education How brings economic growth.

MAPPING OF COs WITH PSOs:

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9
CO 1	1	-	-	-	-	-	3	-	-
CO 2	-	1	-	-	-	-	2	3	-
CO 3	2	-	-	-	-	-	3	1	-
CO 4	-	-	-	1	2	-	-	3	-

CORRELATION LEVELS:

Level	Correlation
-	Nil
1	Slightly / Low
2	Moderate / Medium
3	Substantial / High

ASSESSMENT RUBRICS:
- Quiz / Assignment/ Viva Voce/ Discussion / Seminar
- Internal Exam
- Practical Assignments (20%)
- Final Exam (70%)

MAPPING OF COs TO ASSESSMENT RUBRICS:

	Internal Exam	Quiz / Assignment/ Viva Voce/ Discussion / Seminar	Practical Assignment	End Semester Examination
CO 1	✓	✓		✓
CO 2	✓		✓	✓
CO 3	✓	✓		✓
CO 4	✓	✓		✓

203

Programme	B.A. Economics with Foreign Trade Honours				
Course Title	**LAW AND ECONOMICS**				
Type of Course	**Elective**				
Semester	VIII				
Academic Level	400 – 499				
Course Details	Credit	Lecture per week	Tutorial per week	Practical per week	Total Hours
	4	4	-	-	60
Pre-requisites	Microeconomics course of 200 – 299 level				
Course Summary	This course provides an introductory exposure to law, legal theory and the way legal system functions and how legal process impact on the efficiency of economic activities/transactions				

COURSE OUTCOMES (CO):

CO	CO Statement	Cognitive Level*	Knowledge Category#	Evaluation Tools used
CO1	Understand how the legal aspect influences the economic behaviour and understand major legal traditions, especially in India.	U	C	Instructor-created exams / Quiz
CO2	Conduct economic analysis of law related to the regulation and enforcement of property rights and contracts.	Ap	P	Practical Assignment /Case Studies in Indian context
CO3	Evaluate relative merits and demerits of various economic analyses of law in property rights and contract law.	U	P	Seminar Presentation / Group Discussion
CO4	Apply economics in the theory of property rights and contract law.	Ap	C	Instructor-created exams / Home Assignments/Cases in the Indian context
CO5	Create alternative cases in property rights and contract law in the Indian context, with the insights gained from the course, which provide better policy insights.	U	F	Writing assignments
CO6	Demonstrate critical thinking and problem-solving skills by applying the acquired knowledge to address complex economic challenges in law in the contemporary world.	Ap	P	Viva Voce

* - Remember (R), Understand (U), Apply (Ap), Analyse (An), Evaluate (E), Create (C)
# - Factual Knowledge(F) Conceptual Knowledge (C) Procedural Knowledge (P)
Metacognitive Knowledge (M)

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DETAILED SYLLABUS:

Module	Unit	Course Content	Hours	Marks
I		**An Introduction to Law and Economics**	**12**	**18**
	1	Economic analysis of law	1	
	2	Why should Economists study law?	2	
	3	How to analyze legal and economic issues.	2	
	4	The Primacy of efficiency over distribution in analyzing private law	2	
	5	Efficiency criteria – Pareto, Kaldor-Hicks	2	
	6	Nash Equilibrium, Fairness Criteria.	2	
	7	Markets and efficiency and Market failure	1	
II		**An Introduction to Law and Legal Institutions**	**6**	**10**
	8	The Civil law and the common law traditions.	1	
	9	The institutions of Judicial systems in India –	1	
	10	Legal Principles, and the functioning of Legal system	2	
	11	Economic Theory of Legal Process - Sue - Trial –Appeals - Judiciary - Lawyers' Profession.	2	
III		**Theory of Property Right**	**15**	**21**
	12	The Nature and Function of Property Rights -	1	
	13	The origin of institution of property - The Legal Concept of Property.	2	
	14	Enforcement of property rights - Bargaining Theory - An Economic Theory of Property –	4	
	15	Property Rights and Coase Theorem	2	
	16	The Public Use of Private Property	2	
	17	Eminent domain and Regulation of Property – Applications.	2	
	18	An Introduction to Intellectual Property Rights (IPRs).	2	
IV		**The Economics of Contract Law**	**15**	**21**
	19	An Introduction to Contracts	1	
	20	Complete and Incomplete Contracts - The Elements of Valid and Invalid Contracts.	3	
	21	Bargaining theory- Economic Theory of Contract.	6	
	22	Contracts and Efficient Exchange - Legal Remedies as Incentives: Applications.	5	
V		**Open Ended Module**	**12**	
		Various Case Studies in Economics Property Rights – Various Case Studies in Economics of Contract		

Note: The course is divided into five modules, with four modules together having total 22 fixed units and one open-ended module with a variable number of units. There are total 48 instructional hours for the fixed modules and 12 hours for the open-ended one. Internal assessments (30 marks) are split between the open-ended module (10 marks) and the fixed modules (20 marks). The final exam, however, covers only the 22 units from the fixed modules. The 70 marks shown in the last column, distributed over the first four modules, are only for the external examination.

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REFERENCE:
1. Cooter, R. and T. Ulen. (2004). Law and Economics, Boston: Pearson Addison Wesley Supplementary Readings.
2. Posner, Richard A. (1998). Economic Analysis of Law. (5th edition) Little Brown, Boston.
3. Seervai H M (1991) Constitutional Law of India, Vol. 1-3 NM Tripathi.

ADDITIONAL READINGS:
1. Melvin Aron Eisenberg, The Nature of the Common Law (1989). Harvard University Press, Cambridge.
2. BarzelYoran, The Economics of Property Rights (1988). Cambridge University Press.
3. Steven Shavell (2004) "Foundations of Economic Analysis of Law, Harvard University Press: Cambridge MA.

MAPPING OF COs WITH PSOs:

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9
CO 1	3	-	-	-	-	-	-	-	-
CO 2	-	3	-	1	-	-	2	-	-
CO 3	3	-	-	1	-	-	-	-	-
CO 4	-	3	1	2	-	-	3	-	-
CO 5	3	-	-	-	-	-	2	-	-
CO 6	-	2	2	3	3	-	3	-	-

CORRELATION LEVELS:

Level	Correlation
-	Nil
1	Slightly / Low
2	Moderate / Medium
3	Substantial / High

ASSESSMENT RUBRICS:

- Quiz / Assignment/ Viva Voce/ Discussion / Seminar
- Internal Exam
- Practical Assignments (20%)
- Final Exam (70%)

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MAPPING OF COs TO ASSESSMENT RUBRICS:

	Internal Exam	Quiz / Assignment/	Practical Assignment	End Semester Examination
CO 1	✓	✓		✓
CO 2	✓		✓	✓
CO 3	✓	✓		✓
CO 4	✓	✓		✓
CO 5		✓	✓	
CO 6			✓	

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Programme	B.A. Economics with Foreign Trade Honours				
Course Title	**LOCAL LEVEL PLANNING**				
Type of Course	**Elective**				
Semester	VIII				
Academic Level	400 - 499				
Course Details	Credit	Lecture per week	Tutorial per week	Practical per week	Total Hours
	4	4	-	-	60
Pre-requisites	Economics course of level 200 – 299				
Course Summary	This course explores the importance of Panchayati Raj Institutions, the process of decentralization and the concept of project appraisal as well as the components and theories of local economic development.				

COURSE OUTCOMES (CO):

CO	CO Statement	Cognitive Level*	Knowledge Category#	Evaluation Tools used
CO1	Understand various local government institutions	U	C	Instructor-created exams / Quiz
CO2	Analyse the role of decentralization process	An	P	Practical Assignment
CO3	Evaluate various local development models	Ap	F	Seminar Presentation / Group Discussion
CO4	Apply the theoretical knowledge to current project appraisal of various kinds	Ap	C	Instructor-created exams / Home Assignments
CO5	Create complete understanding of the local level planning	U	F	Viva
* - Remember (R), Understand (U), Apply (Ap), Analyse (An), Evaluate (E), Create (C) # - Factual Knowledge(F) Conceptual Knowledge (C) Procedural Knowledge (P) Metacognitive Knowledge (M)				

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DETAILED SYLLABUS:

Module	Unit	Content	Hrs	Marks
I		**Introduction to Panchayati Raj Institutions**	**12**	**17**
	1	Panchayati Raj Institutions- Evolution of Panchayati Raj Institutions in India	2	
	2	Aims and Objectives of Panchayati Raj Institutions – Functions	3	
	3	Recommendation of various Committee - Balwant Rai Mehta committee- Ashok Mehta Committee – G V K Rao Committee – L M Singhvi Committee	3	
	4	Features of Panchayati Raj Institutions	2	
	5	The 73rd and 74th Constitutional Amendments	2	
II		**The Process of Decentralization**	**9**	**14**
	6	Decentralized Planning in Kerala	2	
	7	How Kerala is Different	1	
	8	History – Evolution – importance of People's plan movement	3	
	9	The role of Kudumbashree	3	
III		**The Concept of Project Appraisal**	**12**	**17**
	10	The role of Local Government Agencies (LGAs) in Project Appraisal Framework	2	
	11	Introduction to Project Evaluation	1	
	12	Methods of Project Evaluation – Return on Investment (ROI) – Cost -Benefit analysis (CBA) – Net Present Value (NPV) – Internal Rate of Return (IRR) – The Payback Period – Risk Adjusted Discount Rate (RADR)	5	
	13	Steps to conduct a project evaluation	2	
	14	challenges in Project monitoring and evaluation	2	
IV		**The Local and Regional Development**	**15**	**22**
	15	Introduction: Local and Regional Development	1	
	16	what kind of local and regional development and for whom?	2	
	17	Concepts and theories of local and regional development	2	
	18	Traditional model	2	
	19	Pure agglomeration Model	2	
	20	Local community model	2	
	21	Territorial innovation model	2	
	22	Sustainable Development Model	2	
V		**Open Ended Module**	**12**	
		Discussion based on different methods of prevailing project evaluation		
		Practical Assignments to visit the local level institutions to conduct the project evaluation		
		Seminar on the presenting the relevance of best project evaluation methods		

Note: The course is divided into five modules, with four modules together having total 22 fixed units and one open-ended module with a variable number of units. There are total 48 instructional hours for the fixed modules and 12 hours for the open-ended one. Internal assessments (30 marks) are split between the open-ended module (10 marks) and the fixed modules (20 marks). The final exam, however, covers only the 22 units from the fixed modules. The 70 marks shown in the last column, distributed over the first four modules, is only for the external examination.

209

REFERENCE:

1. Isaac, T. T., & Franke, R. W. (2002). Local democracy and development: The Kerala people's campaign for decentralized planning. Rowman & Littlefield. (Module 1 and Module 2)
2. Goel, S. L., & Shalini, R. (2003). Panchayati Raj in India: theory and practice. Deep and Deep Publications Pvt. Ltd. (Module 2)
3. Harberger, A. C., & Harberger, A. C. (1972). Techniques of project appraisal (pp. 1-21). Palgrave Macmillan UK. (Module 3)
4. Pike, A., Rodríguez-Pose, A., & Tomaney, J. (2016). Local and regional development. Routledge. (Module 4)
5. Kačar, B., Curić, J., & Ikić, S. (2016). Local economic development in theories of regional economies and rural studies. Економика пољопривреде, 63(1), 231-246 (Module 4)

MAPPING OF COs WITH PSOs:

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9
CO 1	3	-	-	-	-	-	-	-	-
CO 2	-	2	-	-	2	-	2	-	-
CO 3	3	-	-	1	-	-	-	-	-
CO 4	-	3	-	-	3	-	3	1	2
CO 5	3	-	1	-	-	-	2	-	-

CORRELATION LEVELS:

Level	Correlation
-	Nil
1	Slightly / Low
2	Moderate / Medium
3	Substantial / High

ASSESSMENT RUBRICS:

- Quiz / Assignment/ Viva Voce/ Discussion / Seminar
- Internal Exam
- Practical Assignments (20%)
- Final Exam (70%)

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MAPPING OF COs TO ASSESSMENT RUBRICS:

	Internal Exam	Quiz / Assignment/ Viva Voce/ Discussion / Seminar	Practical Assignment	End Semester Examination
CO 1	✓	✓		✓
CO 2	✓		✓	✓
CO 3	✓	✓		✓
CO 4	✓	✓		✓
CO 5		✓	✓	

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Programme	B.A. Economics with Foreign Trade Honours				
Course Title	**FINANCE AND TECHNOLOGY**				
Type of Course	**Elective**				
Semester	VIII				
Academic Level	400 – 499				
Course Details	Credit	Lecture per week	Tutorial per week	Practical per week	Total Hours
	4	4	-	-	60
Pre-requisites	Financial Economics course of 200 – 299 level				
Course Summary	This course introduces fundamental building blocks of financial technologies and real-world applications.				

COURSE OUTCOMES (CO):

CO	CO Statement	Cognitive Level*	Knowledge Category#	Evaluation Tools used
CO1	To familiarize the students with the Finance and technological sector	U	C	Instructor-created exams / Quiz
CO2	It outlines how new technologies are transforming the financial services industry.	An	P	Practical Assignment
CO3	Examine the fundamental differences between the traditional and modern financial sectors, focusing on the impact of innovation and technology on business models, products, applications, and customer interfaces.	Ap	F	Seminar Presentation / Group Discussion
CO4	To explore how AI, machine learning, deep learning, blockchain, and open APIs are applied within the financial technology industry.	Ap	C	Instructor-created exams / Home Assignments
CO5	To design and implement case study-oriented learning experiences for students, focusing on various sectors of financial technology.	E	M	Viva
* - Remember (R), Understand (U), Apply (Ap), Analyse (An), Evaluate (E), Create (C) # - Factual Knowledge(F) Conceptual Knowledge (C) Procedural Knowledge (P) Metacognitive Knowledge (M)				

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DETAILED SYLLABUS:

Module	Unit	Content	Hrs	Marks
I		**Introduction**	**11**	**15**
	1	Finance and technology	1	
	2	Finance sector	2	
	3	Innovation in Finance	1	
	4	Disruption in Finance	4	
	5	Introduction to the Finance and technology's landscape	2	
	6	Application of Finance and technology	1	
II		**FinTech Architecture and FinTech Technologies**	**11**	**15**
	7	Overview of FinTech architecture.	2	
	8	Importance of Finance and Technological architecture	2	
	9	Features of Finance and Technological architecture	2	
	10	Introduction to Block chain integration in FinTech	2	
	11	Merits and Demerits of Block chain in Fin Tech	1	
	12	Introduction to Open Application Programming Interfaces (APIs).	1	
	13	Exploring the applications of AI and ML in finance	1	
III		**India's Fintech Sector**	**11**	**15**
	14	Overview of various fintech sectors in India	1	
	15	The regulatory framework for fintech in India	1	
	16	Regulatory compliance issues in the Indian fintech space	5	
	17	Trends in FinTech and the Fintech landscape in India	2	
	18	Examining key players, institutions, innovations, and challenges.	2	
IV		**India's Fintech Sector - Case studies**	**15**	**25**
	19	Real Time Payments and Neo Banking	5	
	20	Wealth technology and Insurance technology	4	
	21	Lending and Blockchain	1	
	22	The impact of Fintech on the Financial Inclusion and broader economy	5	
V		**Open Ended Module**	**12**	
	1	To take up case studies with respect to the various sectors of Fintech in India		
	2	Describe the role of different technologies in the fintech sector.		

Note: The course is divided into five modules, with four modules together having total 22 fixed units and one open-ended module with a variable number of units. There are total 48 instructional hours for the fixed modules and 12 hours for the open-ended one. Internal assessments (30 marks) are split between the open-ended module (10 marks) and the fixed modules (20 marks). The final exam, however, covers only the 22 units from the fixed modules. The 70 marks shown in the last column, distributed over the first four modules, are only for the external examination.

REFERENCE:

1. Phadke, Sanjay. 2023. Fintech Future: The Digital DNA of Finance Paperback – 23 September.
2. Atlantic Singh, Jaspal. 2022. Financial Technology (FinTech) and Digital Banking in India Hardcover – 1 November.

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11. Baporikar, N. (2021). Fintech challenges and outlook in India. In Innovative strategies for implementing FinTech in banking (pp. 136-153). IGI Global.

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15. Nelaturu, K., Du, H., & Le, D. P. (2022). A review of blockchain in fintech: taxonomy, challenges, and future directions. Cryptography, 6(2), 18.

16. Premchand, A., & Choudhry, A. (2018, February). Open banking & APIs for transformation in banking. In 2018 international conference on communication, computing and internet of things (IC3IoT) (pp. 25-29). IEEE.

17. Rajeswari, P., & Vijai, C. (2021). Fintech industry in India: the revolutionized finance sector. Eur. J. Mol. Clin. Med, 8(11), 4300-4306.

18. Renduchintala, T., Alfauri, H., Yang, Z., Pietro, R. D., & Jain, R. (2022). A survey of blockchain applications in the fintech sector. Journal of Open Innovation: Technology, Market, and Complexity, 8(4), 185.

19. Rafay, A. (Ed.). (2019). FinTech as a Disruptive Technology for Financial Institutions. IGI Global.

ADDITIONAL READINGS:

1. Inc42. 2023. State of Indian Fintech Report 2023. Available at https://inc42.com/reports/state-of-indian-fintech-report-q1-2023/

2. Mordor Intelligence. India Fintech report. Available at https://www.mordorintelligence.com/industry-reports/india-fintech-market

3. https://www.ey.com/en_in/financial-services/how-is-the-fintech-sector-in-india-poised-forexponential-growth

4. https://www.pwc.in/industries/financial-services/fintech.html

5. https://rbsa.in/wp-content/uploads/reports/research-reports/RBSA-Advisors-PresentsFinTech-Industry-in-India-February2021.pdf

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MAPPING OF COs WITH PSOs:

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9
CO 1	3	-	-	-	-	-	-	-	-
CO 2	-	3	-	2	-	-	2	3	3
CO 3		2	-	2	-		-	2	3
CO 4	-	3	2	3	-	2	3	3	-
CO 5	3	-	-	-	-	2	2	-	3

CORRELATION LEVELS:

Level	Correlation
-	Nil
1	Slightly / Low
2	Moderate / Medium
3	Substantial / High

ASSESSMENT RUBRICS:

- Quiz / Assignment/ Viva Voce/ Discussion / Seminar
- Internal Exam
- Practical Assignments (20%)
- Final Exam (70%)

MAPPING OF COs TO ASSESSMENT RUBRICS:

	Internal Exam	Quiz / Assignment/ Viva Voce/ Discussion / Seminar	Practical Assignment	End Semester Examination
CO 1	✓	✓		✓
CO 2	✓	✓	✓	✓
CO 3	✓	✓	✓	✓
CO 4	✓	✓	✓	✓
CO 5	✓	✓	✓	

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General Foundation Courses in Economics with Foreign Trade

Programme	B.A. Economics with Foreign Trade Honours
Course Title	**SECURITY TRADING PRACTICES**
Type of Course	MDC
Semester	I
Academic Level	100 – 199

Course Details	Credit	Lecture per week	Tutorial per week	Practical per week	Total Hours
	3	3	-	-	45

Pre-requisites	Basic course on stock market of level 0 - 99
Course Summary	This course is designed to provide a theoretical and practical background in the field of investments.

COURSE OUTCOMES (CO):

CO	CO Statement	Cognitive Level*	Knowledge Category#	Evaluation Tools used
CO1	Students will acquire a conceptual foundation in the field of investments.	U	C	Instructor-created exams / Quiz
CO2	Learners will gain skills in designing and managing both bond and equity portfolios in real-world scenarios.	Ap	P	Practical Assignment using paper trading app
CO3	Students will be able to value various financial instruments, including equity and debt securities	An	P	Seminar Presentation / Group Discussion
CO4	Evaluate the characteristics of various avenues of investment.	E	M	Instructor-created exams / Home Assignments
* - Remember (R), Understand (U), Apply (Ap), Analyse (An), Evaluate (E), Create (C) # - Factual Knowledge(F) Conceptual Knowledge (C) Procedural Knowledge (P) Metacognitive Knowledge (M)				

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DETAILED SYLLABUS:

Module	Unit	Content	Hrs	Marks
I		**Investment Environment, Markets and Instruments**	**8**	**11**
	1	Financial Market—Primary and Secondary market	1	
	2	instruments of secondary market;	1	
	3	Major Agencies of Secondary market: NSE, BSE, CDSL, NSDL, SEBI	2	
	4	Different types of trading—overview of derivative market, futures and options, Major indices of BSE and NSE.	2	
	5	Different trader in the secondary market—FIIs, DIIs, retailers	2	
II		**Equity Selection**	**8**	**11**
	6	**The Fundamental Analysis**: Meaning and importance	1	
	7	Important ratios; Price-to-Earnings (P/E) ratio-Price-to-Book (P/B) ratio -Dividend Yield, Earnings Per Share (EPS), ROCE and ROE, D/EBITDA, EV/ EBITDA	2	
	8	Technical Analysis: Meaning and importance	2	
	9	important methods—chart, candle sticks-- important indicators namely, Support, resistance, RSI, Moving Average, volume, price channel, VIX –	3	
III		**Portfolio Creation**	**8**	**11**
	10	Theories of portfolio creation: Capital Asset Pricing Model (CAPM), Arbitrage Pricing Theory (APT), Markowitz portfolio theory, Behavioural Portfolio Theory	4	
	11	Different types of Brokers**--** Process of opening a demat account with a discount broker--	2	
	12	Maintain trading account details— P& L statement– capital gain – capital gain tax -- details that are to be included in the income tax return.	2	
IV		**Trade Management**	**12**	**17**
	13	Different Sectors in secondary market eg Banking, Auto, pharma, IT, infrastructure, FMCG etc.	2	
	14	Portfolio allocation and selection in different sectors. Maintaining risk- reward—Position sizing of equities	2	
	15	Capital building through cumulative investment	2	
	16	Trader psychology—need and approach to maintain good psychology by a trader	2	
	17	Practice—download a virtual trading platform and selection	1	
	18	Creating portfolio composing of multiple segments	1	
	19	Getting familiar with the demat account of any one broker preferably select one who do not charge AMC or brokerage fees	2	
V		**Open Ended Module**	**9**	
		Analyze the current trend Draw accurate trend lines Identify crucial support and resistance levels Make informed decisions on entry and exit points		

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		Trade in range-bound markets Use trading signals with different indicators		

Note: The course is divided into five modules, with four modules together having total 19 fixed units and one open-ended module with a variable number of units. There are total 36 instructional hours for the fixed modules and 9 hours for the open-ended one. Internal assessments (25 marks) are split between the open-ended module (5 marks) and the fixed modules (20 marks). The final exam, however, covers only the 19 units from the fixed modules. The 50 marks shown in the last column, distributed over the first four modules, is only for the external examination.

REFERENCE:

1. Investments" by Zvi Bodie, Alex Kane, and Alan J. Marcus (McGraw-Hill, 12th edition, 2023)
2. "The Stock Market Game" by Robert Hagstrom (John Wiley & Sons, 10th edition, 2022)
3. "Investing for Dummies" by Matthew Krantz (Wiley, 6th edition, 2023)
4. "The Intelligent Investor" by Benjamin Graham (HarperCollins, Revised edition by Jason Zweig, 2003)
5. "Security Analysis" by Benjamin Graham, David L. Dodd, and Sidney B. Zweig (McGraw-Hill, 8th edition, 2014)
6. "Technical Analysis Explained" by Martin Pring (McGraw-Hill, 5th edition, 2018)
7. "Trading in the Zone" by Mark Douglas (Harriman House Publishers, 3rd edition, 2011)
8. "Demat and Trading Guide" by NSE Academy (Available online at nseindia.com)
9. "A Random Walk Down Wall Street" by Burton Malkiel (Norton, 13th edition, 2023)
10. "The Art of Asset Allocation" by Roger Ibbotson and Rex Sinquefield (Wiley, 5th edition, 2019)

MAPPING OF COs WITH PSOs:

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9
CO 1	3	-	-	-	-	-	-	-	-
CO 2	-	3	-	1	-	-	2	-	-
CO 3	3	-	-	1	-	-	-	-	-
CO 4	-	3	1	2	-	-	3	-	-

CORRELATION LEVELS:

Level	Correlation
-	Nil
1	Slightly / Low
2	Moderate / Medium
3	Substantial / High

ASSESSMENT RUBRICS:
- Quiz / Assignment/ Viva Voce/ Discussion / Seminar
- Internal Exam
- Practical Assignments (20%)
- Final Exam (70%)

MAPPING OF COs TO ASSESSMENT RUBRICS:

	Internal Exam	Quiz / Assignment/ Viva Voce/ Discussion / Seminar	Practical Assignment	End Semester Examination
CO 1	✓	✓		✓
CO 2	✓		✓	✓
CO 3	✓	✓		✓
CO 4	✓	✓		✓

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Programme	B.A. Economics with Foreign Trade Honours				
Course Title	**DIGITAL ECONOMY**				
Type of Course	MDC				
Semester	II				
Academic Level	100 – 199				
Course Details	Credit	Lecture per week	Tutorial per week	Practical per week	Total Hours
	3	3	-	-	45
Pre-requisites	Basic course on Economics of 0 – 99 level				
Course Summary	This course is designed to provide a theoretical and practical knowledge about digital economy				

COURSE OUTCOMES (CO):

CO	CO Statement	Cognitive Level*	Knowledge Category#	Evaluation Tools used
CO1	Understand the Historical foundations and impact of the digital economy.	U	C	Instructor-created exams / Quiz, Assignment
CO2	Analyze business and innovation in the digital age.	An	P	Case Study Analysis,
CO3	Critically evaluate the role of data and analytics.	E	M	Research Paper, Debate Participation
CO4	Assess the policy and social implications of the digital economy.	Ap	p	Instructor-created exams / Home Assignments
* - Remember (R), Understand (U), Apply (Ap), Analyse (An), Evaluate (E), Create (C) # - Factual Knowledge(F) Conceptual Knowledge (C) Procedural Knowledge (P) Metacognitive Knowledge (M)				

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DETAILED SYLLABUS:

Module	Unit	Content	Hrs	Marks
I		**Foundations of the Digital Economy**	**12**	**17**
	1	The Rise of the Digital Economy: Historical context, key technologies, economic impact of digital economy on economic growth, productivity and employment.	2	
	2	Definition and Meaning of Digital Economy	1	
	3	Digital Goods and Services: Characteristics, pricing models, and distribution channels.	2	
	4	Platforms and Marketplaces: Two-sided markets, network effects, and platform power.	2	
	5	Data & Information Economics: The information value chain, big data.	2	
	6	Privacy: Data protection and security – privacy concerns	1	
	7	Theories of Digital Economy: Growth theory of digital economy –endogenous growth theory – monetary theory of digital economy	2	
II		**Business and Innovation in the Digital Age**	**8**	**11**
	8	E-commerce and Online Retail: Business models, customer behaviour, and logistics challenges.	2	
	9	Logistic – Logistic – models – challenges of E-commerce		
	10	The Sharing Economy: Collaborative consumption, platform competition, and regulatory issues.	2	
	11	Fintech and Financial Innovation: Digital payments, cryptocurrencies, and blockchain technology	2	
	12	Digital Transformation and Strategy: How businesses are adapting to the digital environment.	2	
III		**Data and Analytics**	**8**	**11**
	13	The Role of Data and Analytics – Big data, data analytics, and their importance in the digital economy.	3	
	14	Emerging trends and technologies shaping the future of the digital economy, such as AI, blockchain, and the metaverse.	4	
	15	The ethical implications of data collection and usage	1	
IV		**Policy and Social Implications of the Digital Economy**	**8**	**11**
	16	Competition Policy and Antitrust in the Digital Era: Regulating platform monopolies and market dominance	2	
	17	Intellectual Property and Copyright in the Digital Age: Challenges of protecting digital content and innovation.	2	
	18	Digital Divide and Inequality: Access to technology, skills development, and social justice concerns.	2	
	19	The Future of Work in the Digital Economy: Automation, job displacement, and new skills requirements.	2	
IV		**Digital Economy and India**	**9**	
		Discussion based on different digital systems, platforms, technologies, etc. prevailing in India		
		Practical Assignments on digital economy in India		
		Seminar on the digital economy and shaping of policies in India		

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Note: The course is divided into five modules, with four modules together having total 19 fixed units and one open-ended module with a variable number of units. There are total 36 instructional hours for the fixed modules and 9 hours for the open-ended one. Internal assessments (25 marks) are split between the open-ended module (5 marks) and the fixed modules (20 marks). The final exam, however, covers only the 19 units from the fixed modules. The 50 marks shown in the last column, distributed over the first four modules, are only for the external examination.

REFERENCE:
1. Harld Overby and Jan Arild Audestad (2021). *Introduction to Digital Economics: Foundation, Business Models and Case Studies*. Springer.
2. Don Tapscott and Anthony D. Williams (2016). *The Digital Economy: Concepts and Applications*. McGraw-Hill Education (Module I)
3. Liu, Z. (2022). *Principles of Digital Economics: Innovation Theory in the Age of Intelligence*. Springer Nature. (Module 1, Unit 7)

ADDITIONAL READINGS
1. Mayer-Schönberger, V., & Cukier, K. (2013). *Big data: A Revolution that Will Transform how We Live, Work, and Think*. Houghton Mifflin Harcourt.
2. Davenport, T., & Harris, J. (2017). *Competing on Analytics: Updated, with a New Introduction: The New Science of Winning*. Harvard Business Press.
3. Russell, S., & Norvig, P. (2021). *Artificial Intelligence: A Modern Approach*, Global Edition. Pearson Higher Ed.
4. Zuboff, S. (2019). *The Age of Surveillance Capitalism: The Fight for a Human Future at the New Frontier of Power*. Profile Books.

MAPPING OF COs WITH PSOs:

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9
CO 1	3	2	-	1	1	-	1	-	-
CO 2	2	3	3	3	-	2	2	-	-
CO 3		1	-	2	2	3	2	-	-
CO 4	2	3	1	3	3	1	3	-	-

CORRELATION LEVELS:

Level	Correlation
-	Nil
1	Slightly / Low
2	Moderate / Medium
3	Substantial / High

ASSESSMENT RUBRICS:
- Quiz / Assignment/ Viva Voce/ Discussion / Seminar
- Internal Exam
- Practical Assignments (30%)
- Final Exam (70%)

MAPPING OF COs TO ASSESSMENT RUBRICS:

	Internal Exam	Quiz / Assignment/ Viva Voce/ Discussion / Seminar	Practical Assignment	End Semester Examination
CO 1	✓			✓
CO 2	✓		✓	✓
CO 3	✓	✓	✓	✓
CO 4	✓	✓	✓	✓

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Programme	B.A. Economics with Foreign Trade Honours				
Course Title	**FINANCIAL LITERACY AND PERSONAL FINANCE**				
Type of Course	**Value Added Course**				
Semester	III				
Academic Level	100 – 199				
Course Details	Credit	Lecture per week	Tutorial per week	Practical per week	Total Hours
	3	3	-	-	45
Pre-requisites	Basic course on Economics of 0 – 99 level				
Course Summary	This course provokes the students on the importance of personal financial planning and imparts basic financial literacy principles, with the intention of building in them capability to manage personal finances optimally in various stages of life.				

COURSE OUTCOMES (CO):

CO	CO Statement	Cognitive Level*	Knowledge Category#	Evaluation Tools used
CO1	Understand the basic principles of personal finance and its applications.	U	C	Instructor- created exams / Quiz
CO2	Develop and practice the skill of planning and managing personal finances efficiently.	Ap	P	Practical Assignment / Creating a sample personal financial plan
CO3	Help the students master the concept of time value of money and provide them with necessary skills to beat inflation and maintain the purchasing power of money.	U	C	Seminar Presentation / Group Discussion
CO4	Understand and apply structured personal financial techniques in real life situations.	Ap	P	Instructor- created exams /Home Assignments
CO5	Provide the students with an understanding of various financial products like bank accounts, insurance products and equities and enable them to acquire a diversified portfolio of financial products in real life.	U	F	Writing assignments
CO6	Demonstrate critical thinking and problem-solving skills by applying the acquired knowledge to evaluate complex financial products.	Ap	P	Viva Voce

 * - Remember (R), Understand (U), Apply (Ap), Analyse (An), Evaluate (E), Create (C)
 # - Factual Knowledge(F) Conceptual Knowledge (C) Procedural Knowledge (P)Metacognitive Knowledge (M)

DETAILED SYLLABUS:

Module	Unit	Content	Hrs	Marks
I		**Personal Financial Planning/Financial Literacy**	**10**	
		Basics of Financial Planning		
	1	Meaning of financial planning and the importance of financial planning.	1	
	2	Risk vs return (inflation risk, market risk and exchange risk).	1	
	3	Planning for the short, medium and long term.		**14**
	4	Introducing financial products that suit short, medium and long timehorizons.	3	
	5	Short term and money market or debt instruments		
	6	Long term and asset backed investments.		
		Time Value of Money		
	7	Inflation and its impact on personal financial security,		
	8	Concepts of absolute income and real income.	3	
	9	Concepts of nominal rate of interest and real rate of interest.		
	10	Principles of compounding and discounting.	2	
II		**The Financial Planning Process**	**08**	
	11	The fact find or taking stock ones financial situation, identifying presentprovisions and shortfalls.	3	
	12	Setting SMART (specific, measurable, achievable, realistic, timebound) financial goals.	2	**11**
	13	Concept of diversification-putting your eggs into different baskets.	1	
	14	Physical assets like commodities (gold, silver and other preciousmetals) and properties.	2	
III		**Financial Products**	**08**	
	15	Savings bank accounts, current account, fixed deposits, recurring deposits**.** Introducing and debit cards. Modes of transfers-IMPS, NEFT,RTGS, UPI.	2	
	16	Bonds, debentures and other debt funds.	1	**11**
	17	Equity market products, Risks involved in equity market investments.stocks, shares, equities, mutual funds, derivatives, options.	3	
	18	NSE, BSE, OTC Exchange of India. Stock market indices, Nifty,SENSEX, S&P, NASDAQ.	2	
IV		**Insurance and Pension Products**	**10**	
	19	Insurance as a risk management device. Life insurance, (introducevarious types of life products like term insurance, endowment plans,	2	
		unit-linked policies (ULIPs etc.), Riders in insurance (eg. critical illnessbenefit, hospitalisation benefit, permanent total disability etc.). Propertyand casualty insurance, health/medical insurance. Two rules of calculating life cover-multiples of salary and the inflation rule.	2	**14**
	20	The need for retirement security. Pension products**.** Difference between statutory pension system and contributory pension. National Pension system and its features. Tier I and Tier II contributions in the NPS . Investment options-active choice and	2	

2

		auto choice.	
	21	Annuities. Difference between annuities and pensions. Various types of annuities-fixed, variable and equity linked.	2
	22	Retirement pension policies of life insurance companies. Annuity service providers (ASP). Role of IRDAI and PFRDA as regulators.	2
		Open Ended Module	**9**
V		Discussion based on the exit of governments from pension provision.	
		Practical Assignments to create a sample personal financial plan for an individual/ family making provisions for emergency funds, savings,insurances and retirement schemes.	
		Seminar/workshop on investor awareness with a focus onstock/equity investments.	

Note: The course is divided into five modules, with four modules together having total 19 fixed units and one open-ended module with a variable number of units. There are total 36 instructional hours for the fixed modules and 9 hours for the open-ended one. Internal assessments (25 marks) are split between the open-ended module (5 marks) and the fixed modules (20 marks). The final exam, however, covers only the 19 units from the fixed modules. The 50 marks shown in the last column, distributed over the first four modules, are only for the external examination.

REFERENCE:
1. Lokesh Sehgal (2023). Learn and Practice Financial Planning
2. Nevar Theodore Malabre (2020). Financial Literacy: Understanding the Basics of Financial Investments
3. Purvi Kothari and Keyur Mehta (2010). Financial Investment and Financial Planning

ADDITIONAL READING
1. Kana Sukumaran (2024). Personal Finance: A Treatise on Financial Literacy
2. Introduction to Financial Planning (2017) By Indian Institute of Banking and Finance
3. Prasanna Chandra. Financial Management: Theory and Practice

MAPPING OF COS WITH PSOS:

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9
CO 1	3	-	-	-	-	-	-	3	-
CO 2	-	2	2	-	-	-	3	2	-
CO 3	-	3	2	-	1	-	1	1	-
CO 4	-	3	-	-	-	-	-	2	-
CO 5	-	-	-	-	-	-	2	3	-
CO 6	-	3	2	-	-	-	2	2	-

CORRELATION LEVELS:

Level	Correlation
-	Nil
1	Slightly / Low
2	Moderate / Medium
3	Substantial / High

ASSESSMENT RUBRICS:

- Quiz / Assignment/ Viva Voce/ Discussion / Seminar
- Internal Exam
- Practical Assignments (20%)
- Final Exam (70%)

MAPPING OF COS TO ASSESSMENT RUBRICS:

	Internal Exam	Quiz / Assignment/ Viva Voce/ Discussion / Seminar	Practical Assignment	End Semester Examination
CO 1	✓	✓		✓
CO 2	✓		✓	✓
CO 3	✓	✓		✓
CO 4	✓	✓		✓
CO 5		✓	✓	
CO 6			✓	

22

Programme	B.A. Economics with Foreign Trade Honours				
Course Title	**DIGITAL MARKETING AND E-COMMERCE STRATEGIES**				
Type of Course	Value Added Course				
Semester	IV				
Academic Level	100 – 199				
Course Details	Credit	Lecture per week	Tutorial per week	Practical per week	Total Hours
	3	3	-	-	45
Pre-requisites	Basic course on Economics of 0 – 99 level				
Course Summary	The course equips students to understand the basics of marketing and how effectively they can use digital medias to run a successful business venture.				

COURSE OUTCOMES (CO):

CO	CO Statement	Cognitive Level*	Knowledge Category#	EvaluationTools used
CO1	Understand the basic principles of marketing	U	C	Instructor- created exams / Quiz
CO2	Develop and practice the skill of planning and managing e commerce	Ap	P	Practical Assignment / Creating a sample personal financial plan
CO3	Help the students master the concept of digital marketing and provide them with necessary skills to run an online business	U	C	Seminar Presentation / Group Discussion
CO4	Understand and apply digital marketing techniques in real business world.	Ap	P	Instructor- created exams /Home Assignments
CO5	Provide the students with an understanding of various digital platforms and marketing strategies and enable them to run successful business	U	F	Writing assignments
CO6	Demonstrate critical thinking and problem-solving skills by applying the acquired knowledge in complex business world	Ap	P	Viva Voce

 * - Remember (R), Understand (U), Apply (Ap), Analyse (An), Evaluate (E), Create (C)
\# - Factual Knowledge(F) Conceptual Knowledge (C) Procedural Knowledge (P)Metacognitive Knowledge (M)

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DETAILED SYLLABUS:

Module	Unit	Content	Hrs	Marks
I		**Basic Concepts of Marketing**	**10**	**14**
	1	Meaning of marketing	1	
	2	Customer value	1	
	3	Customer relationship management- concept and process	3	
	4	Customer buying behaviour		
	5	Buyer decision process		
	6	Competitor analysis		
	7	New product development	3	
	8	Price strategies		
	9	Positioning strategies		
	10	Market targeting	2	
II		**Introduction to Digital Marketing**	**8**	**11**
	11	Meaning, evolution and channels of digital marketing	3	
	12	Search Engine Optimization, Search Engine Marketing.	2	
	13	Content Marketing	1	
	14	Social media platforms and marketing	2	
III		**The Concept of E-Commerce**	**8**	**11**
	15	Meaning and concept, E– commerce v/s Traditional Commerce	2	
	16	Importance, features & benefits of E– Commerce	1	
	17	Impacts, Challenges & Limitations of E– Commerce and Supply chain management	3	
	18	Payment systems and security issues	2	
IV		**Website Planning**	**10**	**14**
	19	**Website Planning & Creation :** Content Marketing Strategy, Keywords Research and Analysis	3	
	20	Web Presence and Creating content	3	
	21	Different types of display advertising	2	
	22	Google analytics	2	
V		**Open Ended Module**	**9**	
		Discussion on various social media platforms		
		Practical Assignments case study on the success story of any popular e-commerce provider.		

Note: The course is divided into five modules, with four modules together having total 19 fixed units and one open-ended module with a variable number of units. There are total 36 instructional hours for the fixed modules and 9 hours for the open-ended one. Internal assessments (25 marks) are split between the open-ended module (5 marks) and the fixed modules (20 marks). The final exam, however, covers only the 19 units from the fixed modules. The 50 marks shown in the last column, distributed over the first four modules, are only for the external examination.

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REFERENCE:

1. E-Commerce Strategy, Technologies and Applications, Whitley, David, Tata McGraw Hill.
2. Philip Kotler and Eduardo Roberto, Social Marketing: Strategies for Changing Public Behavior, The Free Press, 1989.

ADDITIONAL READING

1. Philip Kotler, Marc Oliver Opresnik, and Kahzon Takaoko, *Digital Marketing Management and Transformation by Innovation* (2020)Philip Kotler and Christian Sarkar, *Losing Our Democracy* (2020)

MAPPING OF COS WITH PSOS:

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9
CO 1	3	-	-	-	-	-	-	3	-
CO 2	-	2	2	-	-	-	3	2	-
CO 3	-	3	2	-	1	-	1	1	-
CO 4	-	3	-	-	-	-	-	2	-
CO 5	-	-	-	-	-	-	2	3	-
CO 6	-	3	2	-	-	-	2	2	-

CORRELATION LEVELS:

Level	Correlation
-	Nil
1	Slightly / Low
2	Moderate / Medium
3	Substantial / High

ASSESSMENT RUBRICS:

- Quiz / Assignment/ Viva Voce/ Discussion / Seminar
- Internal Exam
- Practical Assignments (20%)
- Final Exam (70%)

MAPPING OF COS TO ASSESSMENT RUBRICS:

	Internal Exam	Quiz / Assignment/ Viva Voce/ Discussion / Seminar	Practical Assignment	End Semester Examination
CO 1	✓	✓		✓
CO 2	✓		✓	✓
CO 3	✓	✓		✓
CO 4	✓	✓		✓
CO 5		✓	✓	
CO 6			✓	

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Programme	B.A. Economics with Foreign Trade Honours				
Course Title	**BIG DATA ANALYSIS IN ECONOMICS**				
Type of Course	**SEC**				
Semester	V				
Academic Level	100 - 199				
Course Details	Credit	Lecture per week	Tutorial per week	Practical per week	Total Hours
	3	3	-	-	45
Pre-requisites	Basic Economics Course of 0 – 99 level				
Course Summary	The students will be able to identify the role of big data in economic theory, using big data for prediction purpose and make capable for helping private and public policies				

COURSE OUTCOMES (CO):

CO	CO Statement	Cognitive Level*	Knowledge Category#	Evaluation Tools used
CO1	Understand the characteristics and sources of data	U	F	Instructor-created exams / Quiz
CO2	Analyze different Motivating applications	Ap	C	Practical Assignment / Observation of Practical Skills
CO3	Evaluate Architectures for big data collection	E	P	Seminar Presentation / Group Discussion
CO4	Apply Big Data for Prediction and Public Policy	Ap	P	Instructor-created exams / Home Assignments
CO5	Create programs for big data analytics	C	M	Running programs
CO6	Demonstrate critical thinking and problem-solving skills by applying the acquired knowledge to address complex economic challenges in the contemporary world.	Ap	M	Viva Voce
* - Remember (R), Understand (U), Apply (Ap), Analyse (An), Evaluate (E), Create (C)				
# - Factual Knowledge(F) Conceptual Knowledge (C) Procedural Knowledge (P) Metacognitive Knowledge (M)				

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Module	Unit	Content	Hrs	Marks
I		**The Role of Economic Theory in Big Data**	**8**	**10**
	1	Characteristics of Big data.	2	
	2	The need for Analytics and Understanding Analytics: Impact of analytics on business; Being analytically competitive; Models and algorithms in Analytics; The Analytics Methodology	2	
	3	Advantages of big data in the economic research and policymaking	2	
	4	Challenges and risks in big data	2	
II		**Major Economic Data Sources**	**9**	**12**
	5	Sources of big data - National and International	3	
	6	Motivating applications: web scraping, social media, Google.	3	
	7	Real time data (Social media and the labor market)	3	
III		**Using Big Data to Advanced Economic Theory**	**9**	**14**
	8	Tool and Tech Landscape: A review of technology used in data storage, data processing, and data science; Popular tools used in Data Science and when to use each	2	
	9	Using Big Data for Prediction and Public Policy	2	
	10	Architectures for big data collection, analysis, and storage.	1	
	11	Using micro data to answer macroeconomic questions	2	
	12	Finance and high frequency trading	2	
IV		**Machine Learning Methods**	**10**	**14**
	13	Linear Regression Models and their applications	1	
	14	Logistics Regression Models and their applications	2	
	15	Time Series Forecasting	2	
	16	k-nearest-neighbors, classification and regression trees, random forests.	1	
	17	An overview of neural networks and deep learning: Images, sounds, text, as sources of information.	1	
	18	Text mining: natural language processing, latent Dirichlet allocation, sentiment analysis.	1	
	19	Big Data Analytics with R.	2	
V		**Open Ended Module**	**9**	
		NFHS data extraction techniques		
		NSSO data extraction techniques		

Note: The course is divided into five modules, with four modules together having total 19 fixed units and one open-ended module with a variable number of units. There are total 36 instructional hours for the fixed modules and 9 hours for the open-ended one. Internal assessments (25 marks) are split between the open-ended module (5 marks) and the fixed modules (20 marks). The final exam, however, covers only the 19 units from the fixed modules. The 50 marks shown in the last column, distributed over the first four modules, are only for the external examination.

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REFERENCE:

1. "Big Data: A Revolution That Will Transform How We Live, Work, and Think" by Viktor Mayer-Schönberger and Kenneth Cukier, Houghton Mifflin Harcourt, 2013
2. "Machine-learning Techniques in Economics: New Tools for Predicting Economic Growth" by Atin Basuchoudhary, James T. Bang, and Tinni Sen, Springer.
3. "Data Science for Economics and Finance: Methodologies and Applications" edited by Sergio Consoli, Diego Reforgiato Recupero, and Michaela Saisana, Springer.
4. Antenucci, Dolan, et al. (2014) "Using social media to measure labor market flows." Working paper no. w20010. National Bureau of Economic Research.
5. Athey, S. (2018). "The impact of machine learning on economics", in The Economics of Artificial Intelligence: An Agenda. University of Chicago Press.
6. BDS Taddy, M. (2019) Business Data Science: Combining Machine Learning and Economics to Optimize, Automate, and Accelerate Business Decisions. McGraw Hill.
7. Choi, Hyunyoung and Hal Varian (2009). "Predicting the present using Google Trends" Working paper.
8. Dave Donaldson and Adam Storeygard, The View from Above: Applications of Satellite Data in Economics, The Journal of Economic Perspectives, Fall 2016, Vol. 30, No. 4 (Fall 2016), pp. 171-198, Published by: American Economic Association.
9. Einav, Liran, and Jonathan D. Levin. (2013) "The data revolution and economic analysis." Working paper no. w19035. National Bureau of Economic Research.
10. Hal R. Varian, Big Data: New Tricks for Econometrics, The Journal of Economic Perspectives , Spring 2014, Vol. 28, No. 2 (Spring 2014), pp. 3-27, American Economic Association
11. Jay Liebowitz, "Big Data and Business Analytics" Auerbach Publications, CRC press (2013)
12. Liran Einav and Jonathan Levin, The Data Revolution and Economic Analysis, Innovation Policy and the Economy , Vol. 14, No. 1 (January 2014), pp. 1-24, The University of Chicago Press on behalf of the The National Bureau of Economic Research
13. Michael Berthold, David J. Hand, "Intelligent Data Analysis", Springer, 2007.
14. Seema Acharya, Subhasini Chellappan, "Big Data Analytics" Wiley 2015.
15. Sendhil Mullainathan and Jann Spiess, Machine Learning: An Applied Econometric Approach, The Journal of Economic Perspectives, Spring 2017, Vol. 31, No. 2 (Spring 2017), pp. 87-106, American Economic Association
16. Stephen Hawkins , Brief Answers to the Big Questions (Selected Chapters)
17. Yuval Harari, 21 Lessons for the 21st Century

MAPPING OF COs WITH PSOs:

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9
CO 1	3	-	-	3	2	2	3	2	3
CO 2	1	1	1	2	2	2	3	2	3
CO 3	1	1	1	2	2	2	3	2	3
CO 4	1	1	2	2	2	2	3	3	3
CO 5	2	2	1	3	2	2	3	3	3
CO 6	1	1	2	2	2	2	3	3	3

CORRELATION LEVELS:

Level	Correlation
-	Nil
1	Slightly / Low
2	Moderate / Medium
3	Substantial / High

ASSESSMENT RUBRICS:

- Quiz / Assignment/ Viva Voce/ Discussion / Seminar
- Internal Exam
- Practical Assignments (20%)
- Final Exam (70%)

MAPPING OF COs TO ASSESSMENT RUBRICS:

	Internal Exam	Quiz / Assignment/ Viva Voce/ Discussion / Seminar	Practical Assignment	End Semester Examination
CO 1	✓	✓		✓
CO 2	✓	✓	✓	✓
CO 3	✓	✓	✓	✓
CO 4	✓	✓	✓	✓
CO 5		✓	✓	
CO 6			✓	

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Programme	B.A. Economics with Foreign Trade Honours				
Course Title	**ECONOMIC RESEARCH WITH R**				
Type of Course	**SEC**				
Semester	VI				
Academic Level	100 – 199				
Course Details	Credit	Lecture per week	Tutorial per week	Practical per week	Total Hours
	3	3	-	-	45
Pre-requisites	Basic Economics, Basic Mathematics and Basic Statistics courses of 0 – 99 level				
Course Summary	This course provides an introductory exposure to Economics research using 'R' with imparting basic programming skills in the various functions in R, which enable the students to apply various functions learned in Economic Research.				

COURSE OUTCOMES (CO):

CO	CO Statement	Cognitive Level*	Knowledge Category#	Evaluation Tools used
CO1	Understand basic programming in R.	U	C	Instructor-created exams / Quiz
CO2	Analyse various loops and use them appropriately	Ap	P	Practical Assignment /Case Studies in the Indian context
CO3	Evaluate various data analysis tools and employ them appropriately.	U	P	Seminar Presentation / Group Discussion
CO4	Apply various functions/models in Economic Research	Ap	C	Instructor-created exams / Home Assignments/Cases in the Indian context
CO5	Design various models and use it in the data analysis.	E	P	Writing assignments
CO6	Demonstrate problem-solving skills by applying the acquired knowledge in R software to address complex economic challenges in the contemporary world.	Ap	P	Viva Voce
* - Remember (R), Understand (U), Apply (Ap), Analyse (An), Evaluate (E), Create (C) # - Factual Knowledge(F) Conceptual Knowledge (C) Procedural Knowledge (P) Metacognitive Knowledge (M)				

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Module	Unit	Content	Hrs	Marks
I		**Introduction to R and R Studio**	**7**	**10**
	1	Basics of R programming	1	
	2	R Markdown files	2	
	3	Primitive Object Types: Vectors, List	2	
	4	Matrices, Arrays, Factors, Data frames.	2	
II		**Loops in R and Functions in R**.	**6**	**8**
	5	if, else, while and for loops.	2	
	6	apply () class functions	2	
	7	Writing your own function	2	
III		**UNIT 3 Data management with Tidyverse**	**12**	**17**
	8	Importing and exporting data	2	
	9	Introduction to tidyverse and tidy workflow	2	
	11	Data extraction	2	
	12	Data cleaning	1	
	13	Data formatting and wrangling	2	
	14	Creating summary statistics tables	1	
	15	Basic data analysis using tidyverse	2	
IV		**UNIT 4 Data Visualisation and Basics of Plotting in R**	**11**	**15**
	16	Creating plots with base R functions.	1	
	17	Introduction to ggplot. Data visualization using ggplot2	1	
	18	Linear models - Generic functions for extracting model information - Linear (Multiple Regression) Models	3	
	19	The (Model Formula in Straight Line Regression) - Analysis of variance (ANOVA) and ANOVA tables	6	
V		**Open Ended Module**	**9**	
		Use Various models learned in the above modules		

Note: The course is divided into five modules, with four modules together having total 19 fixed units and one open-ended module with a variable number of units. There are total 36 instructional hours for the fixed modules and 9 hours for the open-ended one. Internal assessments (25 marks) are split between the open-ended module (5 marks) and the fixed modules (20 marks). The final exam, however, covers only the 19 units from the fixed modules. The 50 marks shown in the last column, distributed over the first four modules, are only for the external examination.

REFERENCE:
1. Zamora Saiz, A., Quesada González, C.,& Mondéjar Ruiz, D. (2020). Introduction to R. *An Introduction to Data Analysis in R: Hands-on Coding, Data Mining, Visualization and Statistics from Scratch*, 9-67.
2. Hafner, S. (2019). An Introduction to R for Beginners. (www.researchgate.net/publication/325170649_An_Introduction_to_R_for_Beginners).
3. https://rstudio-education.github.io/hopr/preface.html
4. https://r4ds.had.co.nz/

ADDITIONAL READINGS

1. Maindonald, J., & Braun, J. (2006). *Data analysis and graphics using R: an example-based approach* (Vol. 10). Cambridge University Press.
2. www.cran.r-project.org.

MAPPING OF COs WITH PSOs:

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9
CO 1	3	-	-	-	-	-	-	-	-
CO 2	-	3	-	1	-	-	2	-	-
CO 3	3	-	-	1	-	-	-	-	-
CO 4	-	3	1	2	-	-	3	1	-
CO 5	3	-	-	-	-	-	2	1	1
CO 6	-	2	2	3	3	-	3	1	1

CORRELATION LEVELS:

Level	Correlation
-	Nil
1	Slightly / Low
2	Moderate / Medium
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ASSESSMENT RUBRICS:

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MAPPING OF COs TO ASSESSMENT RUBRICS:

	Internal Exam	Quiz / Assignment/ Viva Voce/ Discussion / Seminar	Practical Assignment	End Semester Examination
CO 1	✓	✓		✓
CO 2	✓		✓	✓
CO 3	✓	✓		✓
CO 4	✓	✓		✓
CO 5		✓	✓	✓
CO 6			✓	

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