ST. JOSEPH'S COLLEGE

Devagiri, Kozhikode,
Kerala, India

FYUGP Regulations 2024

B.A. ECONOMICS HONOURS

(MAJOR, MINOR AND ELECTIVE COURSES)

SYLLABUS
(w.e.f. 2024 admission)

MODEL QUESTION PAPERS

FYUGP REGULATIONS 2024

B.A. ECONOMICS HONOURS

PROGRAMME OUTCOMES (PO):

At the end of the Graduate Programme at St Joseph's College Devagiri (Autonomous) affiliated to the University of Calicut, 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 effective 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 invaried digital and technological tools to understand and interact with the digital world, thus effectively 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 dedication to the well- being of society and the environment.
PO7	Research, Innovation, and Entrepreneurship: Emergeasaresearcherandentrepreneurialleader,forgingcollaborativepartnerships With industry, academia, and communities to contribute enduring solutions for local, regional, and global development.

PROGRAMMESPECIFICOUTCOMES(PSO):

At the end of the B.A in Economics Honours programme at St Joseph's College Devagiri (Autonomous) affiliated to the Calicut University, a student would:

PSO1	Understand basic concepts of economics
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
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	Be able to 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, evidences, arguments, claims and beliefs
PSO8	Develop appropriate skills and knowledge to address the real world economic issues in familiar and unfamiliar contexts
PSO9	Formulate appropriate and relevant research questions, develop methodology and tools for data collection, presentation and analysis, and predict cause-effect relationships to deal with problems and situations to be solved through innovative practices

MINIMUMCREDITREQUIREMENTSOFTHEDIFFERENTPATHWAYS 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 4credits		Each course Has 3 credits			
1	Single Major (A)	68 (17 courses)	24 (6courses)	39 (13courses)	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 (13courses)	2	133	Major: Economics + History and Political Science
3	Major(A) with Minor(B)	68 (17 courses)	24 (6courses)	39 (13courses)	2	133	Major: Economics Minor: History
4	Major (A) with Vocational Minor (B)	68 (17 courses)	24 (6courses)	39 (13courses)	2	133	Major: Economics Minor: Taxation Practices and Procedures
5	Double Major (A,B)	A: 48 (12 courses)	The 24 credits in the Minor stream are distributed between the two Majors. 2MDC, 2SEC, 2VAC and the Internship should be in Major A. Total credits in Major A should be 48 +20 = 68 (50% of 133)				Economics and Mathematics Double major
		B:44 (11 courses)	1MDC,1SEC and1VACshould be in Major B. Total credits in Major B Should be 44+9 = 53 (40% of 133)				
Exit with UG Degree/Proceed to Fourth Year with 133 Credits							

B.A. ECONOMICS 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

Semester	Course Code	CourseTitle	Total Hours	Hours/ Week	Credits	Marks		
						Internal	External	Total
1	ECO1CJ 101/ ECO1MN 100	Core Course 1 in Major – Principles of Economics	75	5	4	30	70	100
		Minor Course1	60/75	4/5	4	30	70	100
		Minor Course2	60/75	4/5	4	30	70	100
	ENG1FA 101(1B)	Ability Enhancement Course1–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/ ECO2MN 100	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 Course2–Other Than Major	45	3	3	25	50	75
		Total		**23/25**	**21**			**525**

Seme ster	Course Code	CourseTitle	Total Hours	Hours/ Week	Credits	Marks		
						Inter nal	Exter nal	Total
3	ECO3CJ 201	Core Course 3 in Major–Analytical Tools for Economics–I	60	4	4	30	70	100
	ECO3CJ 202/ ECO3MN 200	Core Course 4 in Major – Evolution of Economic Theories	60	4	4	30	70	100
		Minor Course5	60/75	4/5	4	30	70	100
		Minor Course6	60/75	4/5	4	30	70	100
		Multi-Disciplinary Course3–Kerala Knowledge System	45	3	3	25	50	75
	ENG3FV 108(1B)	Value-AddedCourse1–English	45	3	3	25	50	75
		Total		**22/24**	**22**			**550**
4	ECO4CJ 203	Core Course 5 in Major–Intermediate Micro economics	60	4	4	30	70	100
	ECO4CJ 204	Core Course 6 in Major–Intermediate Macro economics	60	4	4	30	70	100
	ECO4CJ 205	Core Course 7 in Major–Analytical Tools for Economics–II	60	4	4	30	70	100
	ENG4FV 109(1B)	Value-Added Course2–English	45	3	3	25	50	75
		Value-Added Course3–Additional Language	45	3	3	25	50	75
	ENG4FS 111(1B)	Skill Enhancement Course1–English	60	4	3	25	50	75
		Total		**22**	**21**			**525**

Seme ster	Course Code	Course Title	Total Hours	Hours/ Week	Credits	Marks		
						Inter nal	Exter nal	Total
5	ECO5CJ 302	Core Course 9 in Major–International Trade Theories	60	4	4	30	70	100
	ECO5CJ 303	Core Course 10 in Major–Growth Theories in Economics	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	ECO6CJ 304/ECO 8MN304	Core Course 11 in Major –Development Issues in Indian Economy	60	4	4	30	70	100
	ECO6CJ 305/ ECO8MN 305	Core Course 12 in Major – Elementary Econometrics	75	5	4	30	70	100
	ECO6CJ 306/ ECO8MN 306	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
	ECO6FS 113	Skill Enhancement Course3– Economic Research with R	45	3	3	25	50	75
	ECO6CJ 349	Internship in Major (Credit for internship to be awarded only at the end Of Semester6)	60		2	50	-	50
		Total		**24**	**25**			**625**
		Total Credits for Three Years			**133**			**3325**

Seme ster	Course Code	Course Title	Total Hours	Hours/ Week	Credits	Marks		
						Inter nal	Exter nal	Total
7	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 / ECO8MN 406	Core Course 19 in Major – Macroeconomic Models and Measurement	75	5	4	30	70	100
	ECO8CJ 407 / ECO8MN 407	Core Course 20 in Major – Applied Microeconomics and Evaluation	60	4	4	30	70	100
	ECO8CJ 408 / ECO8MN 408	Core Course 21 in Major – Heterodox Economics	60	4	4	30	70	100
		OR(insteadofCoreCourses19–21inMajor)						
	ECO8CJ 449	Project (in Honours programme)	360*	13*	12	90	210	300
	ECO8CJ 499	Research Project (in Honours with Research programme)	360*	13*	12	90	210	300
		ElectiveCourse5inMajor/Minor Course7	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**

*The teacher should have13hrs/ week of engagement (the hours corresponding to the three corec ourses) in the guidance of theProject(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 PATHWAYS1–4

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 EC ONOMICS FOR PATHWAYS 1 – 4

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

Semester	Course Code	CourseTitle	Hours/ Week	Credits
1	ECO1CJ 101 / ECO1MN 100	Core Course1 in Major–Principles of Economics	5	4
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
4	ECO3CJ 202 / ECO3MN 200	Core Course 4 in Major – Evolution of Economic Theories	4	4
	ECO4CJ 203	Core Course 5 in Major–Intermediate Micro economics	4	4
	ECO4CJ 204	Core Course 6 in Major–Intermediate Macroeconomics	4	4
	ECO4CJ 205	Core Course 7 in Major–AnalyticalToolsfor Economics–II	4	4
5	ECO5CJ 301	Core Course 8 in Major – Advanced Microeconomics	4	4
	ECO5CJ 302	Core Course 9 in Major–International Trade Theories	4	4
	ECO5CJ 303	Core Course 10 in Major–Growth Theories in Economics	4	4
		Elective Course 1 in Major	4	4
		Elective Course 2 in Major	4	4
6	ECO6CJ 304 / ECO8MN 304	Core Course 11in Major –Development Issues in Indian Economy	4	4
	ECO6CJ 305 / ECO8MN 305	Core Course 12 in Major – Elementary Econometrics	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
	ECO6CJ 349	Internshipin Major	-	2
Total for the Three Years				**70**

7	ECO7CJ 401	Core Course 14in Major–TimeSeries 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 Micro economics and Evaluation	4	4
	ECO8CJ 408 / ECO8MN 408	Core Course 21 in Major–Heterodox Economics	4	4
	OR (instead of Core Courses19–21 in Major)			
	ECO8CJ 449	Project (in Honours programme)	13	12
	ECO8CJ 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**

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 are 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 are 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/Practicum.

       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/Practicum components, out of the total 5 modules of the syllabus, 4 modules are for theory and the fifth module is for Practical/Practicum. The Practical/Practicum 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 Mathematics are 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 5 marks. The internal evaluation of the remaining 4 theory modules is for 20 marks.

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/Prac ticum	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/Pra cticum	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/Practicum	
		4 Theory Modules	Open-ended Module	4 Theory Modules	Practical/Practicum
1	Test paper/ Mid-semester Exam	10	4	5	-
2	Seminar/ Viva/ Quiz	6	4	3	-
3	Assignment	4	2	2	-
Total		20	10	10	20*
		30		30	

* Refer the table in section 1.2 for the evaluation of Practical/Practicum component

1.2. EVALUATION OF PRACTICAL/PRACTICUM COMPONENT

The evaluation of Practical/Practicum component in Major and Minor courses is completely by internal evaluation.

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

- The end-semester Practical/Practicum examination and viva-voce, and the evaluation of Practical/Practicum 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/Practicum 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/Practicum component shall be as given below:

Sl. No.	Evaluation of Practical/Practicum Component of Credit-1 in a Major / Minor Course	Marks for Practical/Practicum	Weightage
1	Continuous evaluation of Practical/Practicum/ exercise performed in Practical/Practicum 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/Practicum 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 College based on 10-point grading system (refer section 5).

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 Research Institutions, Universities, Firms, Industry or Organizations, 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. Internship can be in Economics or allied disciplines.

2. There should be minimum 60 hrs. of engagement from the student in the Internship.

3. Summer vacations and other holidays can be used for completing the Internship.

4. In BA Economics Honours programme, institute/ industry visit or study tour is a requirement for the completion of Internship. Visit to minimum one national research institute, research laboratory and place of importance should be part of the study tour. A brief report of the study tour has to be submitted with photos and analysis.

5. The students should make regular and detailed entries in to a personal log book through the period of Internship. The log book will be a record of the progress of the Internship and the time spent on the work, and it will be useful in writing the final report. It may contain mathematical results, ideas, expressions, experimental conditions, rough work and calculation, computer file names etc. All entries should be dated. The Internship supervisor should periodically examine and countersign the log book.

6. The log book and the typed report must be submitted at the end of the Internship.

7. The institution at which the Internship will be carried out should be prior-approved by the Department Council of the college where the student has enrolled for the UG Honours programme.

2.2. VALUATION 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 Internship2 Credits	Weightage
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 and Log Book	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.

- 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 in Mathematics or allied disciplines.
2. Project should be done individually.
3. Project work can be of theoretical/ experimental /computational in nature.
4. There should be minimum 360 hrs. of engagement from the student in the Project work in Honours programme as well as in Honours with Research 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 a systematic way using appropriate techniques.
   - Systematic recording of the work.
   - Reporting the results with interpretation in a standard documented form.

Presenting the results before the examiners.

7. During the Project the students should make regular and detailed entries in to a personal log book through the period of investigation. The log book will be a record of the progress of the Project and the time spent on the work, and it will be useful in writing the final report. It may contain mathematical models and results, ideas, mathematical expressions, rough work and calculation, computer file names etc. All entries should be dated. The Project supervisor should periodically examine and countersign the log book.

8. The log book and the typed report must be submitted at the end of the Project. A copy of the report should be kept for reference at the department. A soft copy of the report too should be submitted, to be sent to the external examiner in advance.

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

10. The project report shall have an undertaking from the student and a certificate from the research supervisor for originality of the work, stating that there is no plagiarism, and that the work has not been submitted for the award of any other degree/ diploma in the same institution or any other institution.

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.

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 are 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 College.

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

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Sl. No	Components of Evaluation of Project	Marks for the Project (Honours/ Honours with Research)	Weightage
1	Continuous evaluation of project work through interim presentations and reports by the committee internally constituted by the Department Council	90	30%
2	End-semester viva-voce examination to be conducted by the external examiner appointed by the College	150	50%
3	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
Total Marks		210

4. GENERAL FOUNDATION COURSES

All the General Foundation Courses (3-credits) in Mathematics and Economics are with only theory component**.**

4.1. INTERNAL EVALUATION

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

- 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.

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 FYUGP shall be calculated by the following formula.

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

- 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 College shall issue the transcript for each semester and a consolidated transcript indicating the performance in all semesters.

BA Economics

Major Courses			
Semester		**Courses**	**Credit**
1	ECO1CJ101	**PRINCIPLES OF ECONOMICS**	4
2	ECO2CJ101	**INTERMEDIATE MICROECONOMICS**	4
3	ECO3CJ201	**ANALYTICAL TOOLS FOR ECONOMICS I**	4
3	ECO3CJ202	**INTERMEDIATE MACROECONOMICS**	4
4	ECO4CJ201	**BUDGET ANALYSIS**	4
4	ECO4CJ204	**EVOLUTION OF ECONOMIC THEORIES**	4
4	ECO4CJ205	**ANALYTICAL TOOLS FOR ECONOMICS II**	4
5	ECO5CJ301	**ADVANCED MICROECONOMICS**	4
5	ECO5CJ302	**INTERNATIONAL TRADE THEORIES**	4
5	ECO5CJ303	**GROWTH THEORIES IN ECONOMICS**	4
6	ECO6CJ304	**DEVELOPMENT ISSUES IN INDIAN ECONOMY**	4
6	ECO6CJ305	**ELEMENTARY ECONOMETRICS**	4
6	ECO6CJ306	**ADVANCED MACROECONOMICS**	4

Programme	B.A. Economics
Course Title	**PRINCIPLES OF ECONOMICS**
Type of Course	**Major 1**
Semester	I
Academic Level	100 – 199

	Credit	Lecture per week	Tutorial per week	Practical per week	Total Hours
Course Details	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)

DETAILED SYLLABUS:

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	
	6	Markets Are Usually a Good Way to Organize Economic Activity	1	
	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	
I	10	Society Faces a Short-Run Trade-Off between Inflation and Unemployment	1	**15** **15**
		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	
	12	**The Economist as Policy Adviser**: Positive versus Normative Analysis, Why Economists' Advice Is Not Always Followed;	3	
II	13	**Why Economists Disagree:** Differences in Scientific Judgments, Differences in Values, Perception versus Reality	3	
		Limits, Alternatives, and Choices	**10**	**15**
	14	**The Economic Perspective**: Scarcity and Choice, Purposeful Behaviour, Marginal Analysis: Comparing Benefits and Costs	3	
	15	**Individual's Economizing Problem**	2	
	16	**Society's Economizing Problem**	2	
III	17	**Unemployment, Growth, and the Future**: A Growing Economy, Present Choices and Future Possibilities, A Qualification: International Trade	3	

		The Market System	15	
IV	18	**Economic Systems**: Laissez-Faire Capitalism, The Command System, The Market System	4	
	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	6	
	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	25
V		**Open Ended Module**		
		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	30	

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 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			✓	

Programme	B.A. Economics Honours				
Course Title	**INTERMEDIATE MICROECONOMICS**				
Type of Course	**Major**				
Semester	II				
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.				

COURSE OUTCOMES (CO):

CO	CO Statement	Cognitive Level*	Knowledge Category#	Evaluation Tools used
CO 1	To understand the core concepts and methods of microeconomics	U	C	Instructor-created exams / Practical Assignment
CO 2	Understand the basic elements of consumption and production theories.	U	F	Writing assignments / Quiz
CO 3	To analyze the consumer choice under different conditions of preferences.	An	P	Observation of Practical Skills / Group Discussion
CO 4	Apply the economic perspective and reason accurately in relation to different competitive market conditions.	Ap	P	Observation of Practical Skills / Home Assignments
CO 5	To solve and interpret stylized problems based on microeconomic models.	An	P	Group Discussion / Instructor-created exams
CO 6	Use microeconomic models to evaluate real-world microeconomic phenomena and issues.	E	M	Practical Assignment Viva Voce

DETAILED SYLLABUS:

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-	5	

		Profit Maximisation in the Short Run and Long Run.		
	15	Cost Minimisation - Returns to Scale and the Cost Function	5	
	16	Cobb Douglas Production Function	2	
IV		**The Analysis of Competitive Markets**	**12**	**18**
	17	Short run and long run Equilibrium in perfectly competitive firm and industry	3	
	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	
V		**Open ended module**	**12**	
		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%)   34

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				
Course Title	**ANALYTICAL TOOLS FOR ECONOMICS I**				
Type of Course	**Major 3**				
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)

Detailed Syllabus:

Module	Unit	Content	Hrs	Marks
		Set theory and Functions	10	
	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	
I	4	Applications of functions in Economics	2	15
		Differential Calculus	18	
	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	
II	13	Application in consumption and production decisions	2	25
		Integral Calculus	10	
	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	
III	18	The Mean Value Theorem for integrals.	2	15
		Linear Models and Matrix	10	
	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	
IV	22	Determinants, Properties of Determinants and Cramer's Rule and their applications	3	15
V		**Open Ended Module**		12
	1	Develop critical thinking and problem-solving skills		

	2	by applying statistical methods in Economic theories	
	3	Discussion based on statistical tools	
	4	Practical Assignments	
	5	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

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		✓	✓	

Programme	B.A. Economics Honours				
Course Title	**INTERMEDIATE MACROECONOMICS**				
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 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)				

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	
IV		**Aggregate Supply and Demand**	**13**	**19**
	20	The Keynesian Aggregate Demand Schedule, The Keynesian Aggregate Demand Schedule Combined with the Classical Theory of Aggregate Supply,	3	
	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.

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			✓	

Programme	B.A. Economics
Course Title	**BUDGET ANALYSIS**
Type of Course	**Major 2**
Semester	IV
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)

DETAILED SYLLABUS:

Module	Unit	Content	Hrs	Marks
		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	
I	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	
		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	
II	9	**Parliamentary Control:** Estimates Committee, Department Related Standing Committees, Public Accounts Committee	2	
		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	
III	14	**Special Instructions for the Composite Demand for Civil 'Pensions':** Arrangements for submission of	1	

		estimates, Compassionate Fund, Central Government Employees' Insurance Scheme		
	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	
	17	**Disclosures under FRBM Act:** Guarantees given by the Government, Tax Revenues raised but not realized, Arrears of Non -Tax Revenues, Asset Register	2	
		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	
IV	22	**Budget in Parliament:** Lok Sabha, Rajya Sabha	5	
		Open Ended Module	**30**	
V		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		✓	✓	

Programme	B.A. Economics
Course Title	**EVOLUTION OF ECONOMIC THEORIES**
Type of Course	**Major 4**
Semester	IV
Academic Level	200 - 299

Course Details		Lecture per week	Tutorial per week	Practical per week	Total Hours
	Credit				
	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)

DETAILED SYLLABUS:

Module	Unit	Content	Hrs	Marks
		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	
I		**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	**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	3	
	16	**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	

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	
	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.

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		✓		

DISTRIBUTION OF GENERAL FOUNDATION COURSES IN ECONOMICS

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
3	ECO3FV 108	Value-Added Course 1 – Financial Literacy and Personal Finance	45	3	3	25	50	75
4	ECO4FV 110	Value-AddedCourse2– Digital Marketing and E-Commerce Strategies	45	3	3	25	50	75
5	ECO4FS 112/ ECO5FS 112	Skill Enhancement Course2 – 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

Programme	B.A. Economics 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
CO 1	Basic understanding of computation of probability.	U	C	Instructor-created exams / Quiz
CO 2	Identify various probability distributions and its applications	Ap	P	Practical Assignment / Observation of Practical Skills
CO 3	Understand estimation of mean, variance and population of parameters of sampling distributions	U	P	Seminar Presentation / Group Discussion
CO 4	Understand and Apply hypothesis testing for economics theories	Ap	C	Instructor-created exams / Home Assignments
CO 5	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)				

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	
Probability Distributions			11	16
II	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.

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:

Programme	B.A. Economics				
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)				

Module	Unit	Content	Hours	Marks
Detailed Syllabus				
1		**Investment Environment Markets and Instruments**	**8**	
	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**	**12**
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	
		Open Ended Module	**9**	
V		Analyze the current trend Draw accurate trend lines Identify crucial support and resistance levels Make informed decisions on entry and exit points 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 fo ur modules, is only for the external examination.

REFERENCE:

- Investments" by Zvi Bodie, Alex Kane, and Alan J. Marcus (McGraw-Hill, 12th edition, 2023)
- "The Stock Market Game" by Robert Hagstrom (John Wiley & Sons, 10th edition, 2022)
- "Investing for Dummies" by Matthew Krantz (Wiley, 6th edition, 2023)
- "The Intelligent Investor" by Benjamin Graham (HarperCollins, Revised edition by Jason Zweig, 2003)

Additional Readings

1. "Security Analysis" by Benjamin Graham, David L. Dodd, and Sidney B. Zweig (McGraw -Hill, 8th edition, 2014)
2. "Technical Analysis Explained" by Martin Pring (McGraw-Hill, 5th edition, 2018)
3. "Trading in the Zone" by Mark Douglas (Harriman House Publishers, 3rd edition, 2011)
4. "Demat and Trading Guide" by NSE Academy (Available online at nseindia.com)
5. "A Random Walk Down Wall Street" by Burton Malkiel (Norton, 13th edition, 2023)
6. "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:

2. Quiz / Assignment/ Viva Voce/ Discussion / Seminar
3. Internal Exam
4. Practical Assignments (20%)
5. 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	✓	✓		✓

Programme	B.A. Economics				
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 conomy	U	C	Instructor-created exams / Quiz, Assignment
CO2	Analyze business and innovation in	An	M	Research Paper, Debate Participation
CO3	Critically evaluate the role of data	E	M	Research Paper, Debate Participation
CO4	Assess the policy and social	Ap	P	Instructor-created exams / Home Assignments

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	
		Business and Innovation in the Digital Age	8	11
	8	E-commerce and Online Retail: Business models, customer behaviour, and logistics challenges.	2	
II	9	Logistic – Logistic – models – challenges of E-commerce		
	10	The Sharing Economy: Collaborative consumption, platform competition, and regulatory issues.	2	
	11	Fin-tech and Financial Innovation: Digital payments, crypto currencies, and block chain 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, block chain, and the meta verse.	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	
V		**Digital Economy and India**	9	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		

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 fo ur 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:

   [1] Quiz / Assignment/ Viva Voce/ Discussion / Seminar
   [2] Internal Exam
   [3] Practical Assignments (30%)
   [4] Final Exam (70%)

MAPPING OF COS TO ASSESSMENT RUBRICS:

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

Programme	B.A. Economics				
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 intentionof building in them capability to manage personal finances optimally in various stages of life.				

COURSE OUTCOMES (CO):

CO	CO Statement	Cognitive Level*	Knowledge Category#	EvaluationTools 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

1.- 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
		Personal Financial Planning/Financial Literacy	10	14
		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.		
I	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	
		The financial planning process	08	11
	11	The fact find or taking stock ones financial situation, identifying presentprovisions and shortfalls.	3	
II	12	Setting SMART (specific, measurable, achievable, realistic, timebound) financial goals.	2	
	13	Concept of diversification-putting your eggs into different baskets.	1	
	14	Physical assets like commodities (gold, silver and other preciousmetals) and properties.	2	
		Financial products	08	11
	15	Savings bank accounts, current account, fixed deposits, recurring deposits. Introducing and debit cards. Modes of transfers-IMPS, NEFT,RTGS, UPI.	2	
III	16	Bonds, debentures and other debt funds.	1	
	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	

		Insurance and pension products	10	14
IV	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 illness benefit, 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	
	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 auto choice.	2	
	21	Annuities. Difference between annuities and pensions. Various types ofannuities-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 fix ed modules. The 50 marks shown in the last column, distributed over the first four modules, are only for the external examination.

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

ADDITIONAL READING
I. Kana Sukumaran (2024). Personal Finance: A Treatise on Financial Literacy
J. Introduction to Financial Planning (2017) By Indian Institute of Banking and Finance
K. 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:

1. Quiz / Assignment/ Viva Voce/ Discussion / Seminar
2. Internal Exam
3. Practical Assignments (20%)
4. 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			✓	

GROUPING OF MINOR COURSES IN ECONOMICS

(*The minor courses given below should not be offered to students who have taken Economics/Development Economics/Economics with Foreign Trade/ Economics with Islamic Finance as the major discipline.***)**

Title of the Minor: **ECONOMICS)**

Group No.	Sl. No.	Course Code	Title	Seme ster	Total Hrs	Hrs/ Week	Cre dits	Marks		
								Inte rnal	Exte rnal	Total
1			**FISCAL POLICY IN PRACTICE**							
	1	ECO1MN 101	Fiscal Tools for Policy Formulation	1	60	4	4	30	70	100
	2	ECO2MN 101	Fiscal Policy and Stabilization	2	60	4	4	30	70	100
	3	ECO3MN 201	Tax Policy in India	3	60	4	4	30	70	100
2			**MONETARY POLICY IN PRACTICE**							
	1	ECO1MN 102	Monetary Tools for Policy Formulation	1	60	4	4	30	70	100
	2	ECO2MN 102	Monetary Policy and Stabilization	2	60	4	4	30	70	100
	3	ECO3MN 202	Monetary Policy in India	3	60	4	4	30	70	100
3			**SECTORAL DYNAMICS IN INDIAN ECONOMY**							
	1	ECO1MN 103	Sectoral contributions in Indian Economy	1	60	4	4	30	70	100
	2	ECO2MN 103	Industrial Policies in India	2	60	4	4	30	70	100
	3	ECO3MN 203	Agricultural Development In India	3	60	4	4	30	70	100
4			**INDIAN ECONOMIC DEVELOPMENT**							
	1	ECO1MN 104	Development issues in Indian Economy	1	60	4	4	30	70	100
	2	ECO2MN 104	Trade Policy in India	2	60	4	4	30	70	100
	3	ECO3MN 204	Knowledge Economy in India	3	60	4	4	30	70	100

5				FOUNDATIONS OF ECONOMICS							
	1	ECO1MN 105	Microeconomics Foundations	1	60	4	4	30	70	100
	2	ECO2MN 105	Macroeconomics Foundations	2	60	4	4	30	70	100
	3	ECO3MN 205	Foundations of Global Economics	3	60	4	4	30	70	100
6				FUNDAMENTALS OF ECONOMICS							
	1	ECO1MN 106	Introductory Micro Economics	1	60	4	4	30	70	100
	2	ECO2MN 106	Introductory Macro Economics	2	60	4	4	30	70	100
	3	ECO3MN 206	Introductory Global Economics	3	60	4	4	30	70	100

Programme	**BA ECONOMICS**				
Course Title	**INTRODUCTORY MICRO ECONOMICS**				
Type of Course	Minor				
Semester	1				
Academic Level	100-199				
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 explores important concepts, basic theories and models, various market structures, and other fundamental aspects of microeconomics.				

COURSE OUTCOMES (CO)

CO	CO Statement	Cognitive Level*	Knowledge Category#	Evaluation Tools used
CO1	Understanding basic microeconomic concepts.	U	C	Instructor created exams / Quiz
CO2	Applying microeconomic concepts to real-world scenarios.	Ap	P	Practical Assignment / Observation of Practical Skills
CO3	Analyzing market equilibrium in real-world contexts.	An	P	Seminar Presentation / Group Discussion
CO4	Evaluating consumer behavior and market structures.	E	P	Instructor created exams / Home Assignments
CO5	Analyse different market structures in connection with existing market conditions for different products in the world	An	F	Writing assignments
*Remember (R), Understand (U), Apply (Ap), Analyse (An), Evaluate (E), Create (C) #Factual Knowledge(F) Conceptual Knowledge (C) Procedural Knowledge (P) Meta cognitive Knowledge (M)				

DETAILED SYLLABUS

Module	Unit	Content	Hrs	Mark (70)
I		**SCARCITY, DEMAND AND SUPPLY**	**15**	**25**
	1	Problem of scarcity and choice: scarcity, choice and opportunity cost; production possibility frontier	3	
	2	Demand: law of demand, determinants of demand, shifts of demand versus movements along a demand curve, market demand	3	
	3	Supply: law of supply, determinants of supply, shifts of supply versus movements along a supply curve, market supply, market equilibrium.	3	
	4	Elasticity: price elasticity of demand, calculating elasticity, determinants of price elasticity, other elasticities	2	
II		**CONSUMER THEORY**	**10**	**15**
	6	Concept of utility, diminishing marginal utility, equi-marginal utility	3	
	7	Consumer Choice, indifference curves, properties	3	
	8	Budget constraint, Consumer Equilibrium	2	
	9	Derivation of demand curve from indifference curve	2	
III		**PRODUCTION AND COSTS**	**12**	**15**
	10	Production: production functions, law of variable proportions,	2	
	11	choice of technology, isoquant and isocost lines, cost minimization and output maximization	3	
	12	Costs: costs in the short run, costs in the long run	3	
	13	Economies and dis economies of scale	2	
	14	Revenue and profit maximization	2	
IV		**MARKET STRUCTURE**	**13**	**15**
	15	Market, Types, product and factor market, firm and industry	1	
	16	Perfect Competition: Assumptions, theory of a firm under perfect competition, equilibrium of the firm in the short run and long run	3	
	20	Monopoly: Features, pricing- short run and long run, price discrimination	3	
	21	Monopolistic competition: firm with differentiated products, pricing under short run	3	
	22	Market failure and Externalities: sources of market failure: imperfect markets, public goods, externalities	3	
V		**Open Ended Module**	**10**	
		Case studies: Case Studies and discussion of practical cases **Discussion** based on different market structures prevailing in the World **Seminar** with focus on the various topic covered under consumer, producer and market behavior		

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.

REFERENCES
1. Mankiw, N. G. (2018). Principles of Microeconomics 8th ed.
2. Pindyck, Robert S. &Rubinfeld, Daniel L.: Microeconomics Sixth Edition

ADDITIONAL READINGS
1. Frank, R. H., & Cartwright, E. (2010). Microeconomics and behavior. New York: McGraw-Hill. – Bernheim, B., Whinston, M. (2009). Microeconomics. Tata McGraw-Hill.
2. Dr. Robert E. Hall and Dr. Marc Lieberman : Microeconomics- Principles and applications
3. Joseph E. Stiglitz and Carl E. Walsh: Principles of Microeconomics
4. Arthur O' Sullivan and Steven M. Sheffrin: Micreconomics- Principles, Applications and Tools (for Application Purposes)

MAPPING OF COs WITH PSOs:

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9
CO1	3	-	-	-	-	-	-	-	-
CO2	-	-	-	-	-	-	2	3	-
CO3	-	-	-	-	1	-	3	1	-
CO4	-	-	3	-	-	-	-	2	-
CO5	-	-	-	-	-	-	3	1	-

CORRELATION LEVELS:

Level	Correlation
-	Nil S
1	lightly / 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
CO1	✓	✓		✓
CO2	✓		✓	✓
CO3	✓	✓		✓
CO4	✓	✓		✓
CO5		✓	✓	

Programme	B.A.ECONOMICS				
Course Title	**INTRODUCTORY MACRO ECONOMICS**				
Type of Course	**Minor**				
Semester	II				
Academic Level	100–199				
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 examines the performance and behavior of the economy as a whole. It focuses its attention on economic growth, the business cycle, Interest rates, inflation, and the behavior of major economic aggregates such as the government, household, and business sectors.				

COURSE OUTCOMES (CO):

CO	CO Statement	Cognitive Level*	Knowledge Category#	Evaluation Tools used
CO1	Understand different types of unemployment and inflation and its consequences	U	C	Instructor-created exams /Quiz
CO2	Identify key institutional factors contributing to economic growth	Ap	P	Practical Assignment/ Observation of Practical Skills
CO3	Explain periods of recession and expansion using the expenditure output model	Ap	P	Seminar Presentation/Group Discussion
CO4	Analyse the current environment for financial investment decisions	An	P	Instructor-created exams /Home Assignments
CO5	Propose policy Recommendations based on economic analysis	E	P	Writing assignments
*-Remember(R),Understand(U), Apply(Ap), Analyse(An),Evaluate(E),Create(C)				
#-Factual Knowledge (F)Conceptual Knowledge(C)Procedural Knowledge(P) Meta cognitive Knowledge (M)				

DETAILEDSYLLABUS:

Module	Unit	Content	Hrs	Marks
I		**The Macroeconomic Perspective**	**12**	**18**
	1	Assessing the Economy's Performance: Gross Domestic Product, A Monetary Measure, Avoiding Multiple Counting, GDP Excludes Nonproduction Transactions, Two Ways of Looking at GDP: Spending and Income	3	
	2	The Business Cycle: Phases of the Business Cycle, Causes, Cyclical Impact: Durables and Non-durables	2	
	3	Unemployment: Measurement of Unemployment, Types of Unemployment, Definition of Full Employment, Economic Cost of Unemployment, Non economic Costs	2	
	4	Inflation: Meaning of Inflation, Measurement of Inflation, Facts of Inflation, Types of Inflation, Complexities, Core Inflation	3	
	5	Redistribution Effects of Inflation: Nominal and Real Income, Anticipations, Who Is Hurt by Inflation? Who Is Unaffected or Helped by Inflation? Anticipated Inflation, Negative Nominal Interest Rates, Other Redistribution Issues	2	
II		**Basic Macroeconomic Relationships**	**12**	**18**
	6	The Income-Consumption and Income-Saving Relationships: The Consumption Schedule, The Saving Schedule, Average And Marginal Propensities	3	
	7	Non-income Determinants of Consumption and Saving	2	
	8	The Interest-Rate–Investment Relationship: Expected Rate of Return, The Real Interest Rate, Investment Demand Curve	3	
	9	Shifts of the Investment Demand Curve: Instability of Investment	2	
	10	The Multiplier Effect: Rationale, The Multiplier and the Marginal Propensities, How Large Is the Actual Multiplier Effect?	2	
III		**Money, Banking, and Financial Institutions**	**11**	**16**
	11	The Functions of Money	1	
	12	The Components of the Money Supply: Money Definitions M_0, M_1, M_2, M_3	2	
	13	What "Backs" the Money Supply? Money as Debt, Value of Money, Money and Prices, Stabilizing Money's Purchasing Power	2	
	14	The Central Bank: RBI and the banking system, Functions, Responsibilities and Independence of RBI	2	
	15	Commercial Banks: Structure of commercial banks in India, Functions of commercial banks	2	
	16	Monetary policy: Tools, Monetary Policy Committee, Inflation Targeting	2	
IV		**Financial Economics**	**13**	**18**
	17	Financial Investment	1	
	18	Present Value: Compound Interest, The Present Value Model, Applications	3	

	19	Calculating Investment Returns: Percentage Rates of Return, The Inverse Relationship between Asset Prices and Rates of Return	2
	20	Arbitrage	2
	21	Risk: Diversification	2
	22	Comparing Risky Investments: Average Expected Rate of Return, Beta, Relationship of Risk and Average Expected Rates of Return, The Risk Free Rate of Return	3
V		**Open ended module**	**12**
		Discussion based on inflation, unemployment and GDP prevailing in India	
		Debate on monetary policy by RBI	
		Seminar on the influence of transactions in financial assets on economy	

Note: The course is divided into five modules, with four modules together having total 22fixed units and one open-ended module with a variable number of units. There are total 48instructional hours for the fixed modules and 12hours for the open -ended one. Internal assessments (30 marks) are split between the open-ended module (10 marks) and the fixedmodules(20marks).Thefinalexam,however,coversonlythe22unitsfromthefixedmodules.T he 70 marks shown in the last column, distributed over the first four modules, is only for the external examination.

REFERENCE:
1. McConnell,C.R.,Brue,S.L.,& Flynn,S.M.(2021).*Macroeconomics.* MCGRAW-HILL

ADDITIONALREADINGS
1. Mankiw,N.G., Kneebone,R.D., & McKenzie, K.J.(2023). *Principles of Macroeconomics*, 9th Edition. Cengage Canada.
2. Mateer,D., & Coppock,L. (2021).*Principles of economics*, Third Edition.W.W. Norton & Company.
3. Cornia, G. A. (2020). *The macroeconomics of developing countries :An Intermediate Textbook*. Oxford University Press.

MAPPINGOFCOSWITHPSOS:

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9
CO1	3	-	-	-	-	-	-	-	-
CO2	-	-	-	-	-	-	2	3	-
CO3	-	-	-	-	-	-	3	2	-
CO4	-	3	-	-	-	-	2	2	-
CO5	-	-	-	-	-	-	3	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
CO1	✓	✓		✓
CO2	✓		✓	✓
CO3	✓	✓		✓
CO4	✓	✓		✓
CO5		✓	✓	

Programme	B.A.ECONOMICS				
Course Title	**INTRODUCTORY GLOBAL ECONOMICS**				
Type of Course	**Minor**				
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	This course delves into the economic interactions and relationships that transcend national borders, examining how countries trade goods and services, invest in each other's economies, and manage their currencies in a globalized world.				

COURSEOUTCOMES(CO):

CO	CO Statement	Cognitive Level*	Knowledge Category#	Evaluation Tools used
CO1	Understand the relationship between international economics and economic development, as well as the connection between International capital markets and economic growth	U	C	Instructor-created exams /Quiz
CO2	Relate the Theory of Foreign Trade to economic development	Ap	P	Practical Assignment/ Observation of Practical Skills
CO3	Investigate foreign investments and their implications in the context of International economics	An	P	Seminar Presentation/ Group Discussion
CO4	Analyse the current environment for financial investment decisions	An	P	Instructor-created exams /Home Assignments
CO5	Propose policy Recommendations based on economic analysis	E	P	Writing assignments
*Remember(R), Understand(U), Apply(Ap), Analyse(An), Evaluate(E), Create(C)				
#Factual Knowledge(F) Conceptual Knowledge(C) Procedural Knowledge(P) Meta cognitive Knowledge(M)				

DETAILEDSYLLABUS:

Module	Unit	Content	Hrs	Marks
I		**Introduction to Global Economics**	**9**	**13**
	1	Globalization of the Economic Activity; Waves of Globalization	3	
	2	International Trade and the Nation's Standard of Living	2	
	3	The International Flow of Goods and Services: The Gravity Model	1	
	4	The International Flow of Labor and Capital	1	
	5	Purpose of International Economic Theories and Policies	2	
II		**International Institutions and Issues**	**15**	**22**
	6	International Institutions since World War II	3	
	7	A Taxonomy of International Economic Institutions	2	
	8	The IMF and World Bank	2	
	9	The GATT, the Uruguay Round, and the WTO	2	
	10	Regional Trade Agreements; Five Types of Regional Trade Agreements; Regional Trade Agreements and the WTO	2	
	11	The Role of International Economic Institutions	2	
	12	Criticism of International Institutions	2	
III		**International Trade and Economic Development**	**10**	**15**
	13	The Importance of Trade to Development: Trade Theory and Economic Development, Trade as an Engine of Growth, The Contributions of Trade to Development, International Trade And Endogenous Growth Theory	3	
	14	The Terms of Trade and Economic Development	3	
	15	Import Substitution versus Export Orientation	2	
	16	Trade Problems of Developing Countries	2	
IV		**Balance of Payments and Foreign Exchange Market**	**14**	**20**
	17	Balance-of-Payments Accounting Principles: Credits and Debits, Double-Entry Book keeping	2	
	18	The Current and Capital Account Balances	3	
	19	Financial Account: Types of Financial Flows, Limits on Financial Flows	2	
	20	Fixed, Flexible and Managed Exchange Rates	2	
	21	Exchange Rates and Currency Trading: Reasons for Holding Foreign, Currencies, Institutions, Exchange Rate Risk	3	
	22	The Real Exchange Rate	2	
V		**Open ended module**	**12**	
		Discussion based on trends of foreign trade, composition of foreign trade and direction of foreign trade in India		
		Debate on exchange rate system to be followed by Developing countries		
		Seminar on international institutions and their role in India		

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. Interna

assessments (30 marks) are split between the open-ended module (10 marks) and the fixed modules (20marks). 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. Gerber, J.(2024).*International Economics*. Global Edition. Pearson.
2. Salvatore, D.(2019).*International Economics*. John Wiley & Sons.

ADDITIONAL READINGS
1. Appleyard, D.R.,& Field,A.J. (2014). *International Economics*. Eighth Edition Mc Graw-Hill.
2. Carbaugh,R.(2016).*International Economics*. Cengage Learning.
3. Brakman,S.(2006).*Nations and firms in the global economy: An Introduction to International Economics and Business*. Cambridge University Press.

MAPPINGOFCOsWITHPSOs:

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9
CO1	3	-	-	-	-	-	-	-	-
CO2	-	-	-	-	-	-	3	2	-
CO3	-	-	-	-	-	-	2	3	-
CO4	-	3	-	-	-	-	2	2	-
CO5	-	1	-	-	-	-	3	1	2

CORRELATIONLEVELS:

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

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

MAPPINGOFCOstoASSESSMENTRUBRICS:

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

Format of the Question Paper Type I for Major and Minor Courses

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I Semester B.A.(FYUGP) Degree Examinations November 2024

ECO1CJ101: Principles of Economics

(Credits: 4)

Maximum Time: 2 hours   **Maximum Marks: 70**

Section A

[Answer All. Each question carries 3 marks]   (Ceiling:24 Marks)

1.
2.
3.
4.
5.
6.
7.
8.
9.
10.

Section B

[Answer All. Each question carries 6 marks]   (Ceiling:36 Marks)

11.
12.
13.
14.
15.
16.
17.
18.

Section C

[Answer any one. Each question carries 10 marks]   (1x10=10 marks)

19.
20.

Format of the Question Paper Type II for General Foundation Courses

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I Semester B.A.(FYUGP) Degree Examinations November 2024

ECO1CM101: Security Trading Practices

(Credits: 3)

Maximum Time: 1.5 hours   **Maximum Marks: 50**

Section A

[Answer All. Each question carries 2 marks]   (Ceiling:16 Marks)

1.
2.
3.
4.
5.
6.
7.
8.
9.
10.

Section B

[Answer All. Each question carries 6 marks]   (Ceiling:24 Marks)

11.
12.
13.
14.
15.

Section C

[Answer any one. Each question carries 10 marks]   (1x10=10 marks)

16.
17.