

Regulations and Syllabi for Master of Arts in Economics

Offered from the Academic Year 2022 – 2023 under Choice Based Credit System



Department of Economics

Thiruvalluvar University (A State University)

Serkkadu, Vellore District

Tamil Nadu – 632 115.



THIRUVALLUVAR UNIVERSITY

M.A. ECONOMICS SYLLABUS

UNDER CBCS

(With effect from 2022 - 2023)

Preamble of the Syllabus

The aim of the course is to provide orientation to the students of post graduates to attend and complete first class competitive examinations and get a job in the competitive labour market. Accordingly the syllabus has been framed to promote research activities in social sciences in general and economics in particular. A project work in the course would bring out the research attitude among the economics students and peruse further research leading to Ph.D.

Vision and Mission

The Vision of the Department in Latin is “Salus Populi Suprema” i.e. the welfare of the people is the highest.

The Mission of the Department is to provide knowledge and research aptitude to the socially and economically deprived sections of the society in this area.

REGULATIONS

1. Eligibility for Admission to the Course

A candidate who has passed the B.A. Economics / Corporate Economics / Business Economics / B.Com. (all Branches) / B.Sc. Mathematics / B.Sc. Statistics / BBA or Degrees of other Universities as approved of by the Syndicate as equivalent thereto shall be permitted admission to M.A. Economics Course.

2. Duration of the Course

The duration of the course shall consist of 4 semesters in two academic years.

- a. Each academic year shall be divided into two semesters.
- b. The odd semesters shall consist of the period from July to November and the even semesters starts from December to April. There shall be atleast 90 working days composed of 450 minimum instructional hours for each semester.

3. Courses of Study

The course of study for Masters Degree Course in Economics shall consist of Core, Elective, Compulsory papers (Human Rights) and a Project work.

4. Distribution of Credit Points and Marks

The term 'Credit' refers to the weightage given to a course, usually in relation to the instructional hours assigned to it. For instance, a six hour course per week is assigned 6/5/4 credits, a five hour course per week is assigned 5/4/3 credits and a four hour course per week is given 4/3/2 credits. However, in no instance the credits of a course can be greater than the hours allotted to it.

The Minimum Credit requirement for a two years Master's Programme shall be 90 (ninety) credits. The break-up of credits for the Programme is as follows:

- a) Core Courses : 72 credits.
 - b) Elective Courses : 12 credits.
 - c) Compulsory Course : 02 credits.
 - d) Project with Viva-voce : 04 credits.
- (Three credits for Project and one credit for Viva)

5. Continuous Internal Assessment Test

The following assessment procedure will be followed for awarding the internal marks in the evaluation of the student's performances. The best 2 CIA test marks out of 3 CIA tests marks, will be taken for awarding the internal marks.

- a) CIA Test Marks : 15 marks.
 - b) Seminar : 5 marks.
 - c) Assignment : 5 marks
- | | |
|--------------|-------------------|
| Total | : 25 marks |
|--------------|-------------------|

6. Requirement To take the Examination

A candidate will be permitted to take the examination for any semester, if he/she earns atleast 75% of attendance out of the 90 working days/ 450 instructional hours. A candidate who has earns attendance less than 75% but more than 65%, shall be permitted to take the examination on the recommendation of the Head of the Department to condone the lack of attendance on the payment of the prescribed condonation fee to the University.

7. Scheme of examination

- (a). Any theory examination is conducted only for 3 hours irrespective of total marks allotted for the examinations.

(b). There shall be theory examinations at the end of each semester, for odd semesters in the month of October / November; for even semesters in April / May. However, there shall be practical examinations at the end of even semesters in general, with exceptions in a few courses as prescribed by the Boards of studies, concerned. A candidate who does not pass the examination in any course(s) shall be permitted to appear in such failed course(s) in the subsequent examinations to be held in October / November or April / May.

(c). All candidates admitted in first year, should get registered for the first semester examination, compulsorily. If registration is not possible owing to any reason including shortage of attendance beyond condonation limit, belated joining or on medical grounds, the candidates are permitted to rejoin the course in the next year.

(d). In case of project work there will be a Viva-Voce Examination: Each candidate shall be required to appear for Viva-Voce Examination those who have submitted project.

(e). For the Project Report, the maximum marks will be 75 per cent for project and for the Viva-Voce it is 25 per cent (If in some programmes, if the project is equivalent to more than one course, the project marks would be in proportion to the number of equivalent courses).

(f). The results of all the examinations will be published through the department where the student underwent the course as well as through University Website. In the case of private candidates, the result will be published through the University Website.

(g). Then scheme of examination is given in the annexure.

8. Restrictions to Appear for the Examinations

Any candidate having arrear paper(s) shall have the option to appear in any arrear paper along with the regular semester papers, in theory as well as in practicals wherever applicable.

9. Guidelines for the Project work with Viva-Voce exam (Compulsory)

- (i) The topic and the supervisor of the project report shall be assigned to the candidate at the beginning of the third semester itself and a copy of the same shall be communicated to the University for approval.
- (ii) The students shall prepare four copies of the project and submit the same to the Department for the evaluation by examiners within the last date prescribed by the University. After the evaluation, one copy is to be retained in the University Library, one

in the Department Library, one copy shall be given to guide and the fourth one shall be given to the student.

(iii) Format for the preparation of project work:

- a) Title Page
- b) Bonafide Certificate
- c) Declaration of the student
- d) Acknowledgement
- e) Contents.

CONTENTS

Chapter No.	Title	Page No.
I	Introduction	
II	Review of Literature	
III	Profile of the Study Area	
IV	Analysis and Interpretation of the data	
V	Summary, Findings, Conclusion and Suggestions	
VI	Bibliography	
VII	Appendix	

10. Guidelines for Evaluation of the Project with Viva-Voce.

- (i) The project work should be evaluated for 75 marks by an external and internal examiners and the Viva-voce should be conducted for 25 marks by the external examiner and the internal guide concerned.
- (ii) The project report may consist of 50 to 75 pages.
- (iii) The candidate has to submit the project report 30 days before the commencement of the IV Semester examinations to the department.
- (iv) A candidate should secure minimum 50% of marks in project work and Viva-Voce examination.
- (v) A candidate who reappears in the project, may resubmit the project (on the same topic) with necessary modification / correction / improvements in the subsequent semester examination for evaluation.

11. Question Paper Pattern

The question paper pattern for the university theory examinations is as follows:

Time: Three Hours

Maximum Marks: 75

Part – A ($10 \times 2 = 20$ marks)

Answer ALL Questions

(Two Questions from each unit)

Part – B ($5 \times 5 = 25$ marks)

Answer ALL Questions

(Two Questions from each unit with internal Choice as 'either', 'or')

Part – C ($3 \times 10 = 30$ marks)

Answer any Three Questions out of Five Questions

(One Question from each unit)

12. Passing Minimum

A candidate, who has secured a minimum of 50% marks in all the courses prescribed in the programme and earned a minimum of 90 credits, will be considered to have passed the Master's programme. There shall be no passing minimum for internal assessment.

13. Grading

Once the marks of the CIA and end-semester examinations for each of the course are available, they shall be added. The mark thus obtained shall then be converted in to the relevant letter grade, grade point as per the details given below:

Conversion of Marks to Grade Points and Letter Grade (Performance in a Course/Paper)

RANGE OF MARKS	GRADE POINTS	LETTER GRADE	DESCRIPTION
90-100	9.0-10.0	O	Outstanding
80-89	8.0-8.9	D+	Distinction
75-79	7.5-7.9	D	
70-74	7.0-7.4	A+	
60-69	6.0-6.9	A	First Class
50-59	5.0-5.9	B	
00-49	0.0	U	Second Class
Absent	0.0	AAA	Re-appear
			ABSENT

C_i = Credits earned for course i in any semester.

G_i = Grade Point obtained for course i in any semester.

n = refers to the semester in which such course were credited.

Grade point average (for a Semester):

Calculation of grade point average semester-wise and part-wise is as follows:

$$\text{GRADE POINT AVERAGE [GPA]} = \Sigma iC_iG_i / \Sigma iC_i$$

Sum of the multiplication of grade points by the credits of the courses offered under each part

GPA = -----
Sum of the credits of the courses under each part in a semester

Calculation of Grade Point Average (CGPA) (for the entire programme):

A candidate who has passed all the examinations prescribed is eligible for the following part wise computed final grades based on the range of CGPA.

$$\text{CUMULATIVE GRADE POINT AVERAGE [CGPA]} = \Sigma n\Sigma iC_{ni}G_{ni} / \Sigma n\Sigma iC_{ni}$$

Sum of the multiplication of grade points by the credits of the entire programme under each part

CGPA = -----
Sum of the credits of the courses of the entire programme under each part

CGPA	GRADE
9.0 and above but below 10.0	O
8.0 and above but below 9.0	D+
7.5 and above but below 8.0	D
6.5 and above but below 7.5	A+
6.0 and above but below 6.5	A
5.0 and above but below 6.0	B
0.0 and above but below 5.0	U

14. Improvement of Marks in the subjects already passed

Candidates desirous of improving the marks awarded in a passed subject in their first attempt shall reappear once within a period of subsequent two semesters by paying the fee prescribed from time to time. The improved marks shall be considered for classification but not for ranking. When there is no improvement, there shall not be any change in the original marks already awarded. If candidate improves his marks, then his improved marks will be taken into consideration for the award of Classification only. Such improved marks will not be counted for the award of Prizes / Medals, Rank and Distinction. If the Candidate does not show improvement in the marks, his previous marks will be taken into consideration. No candidate will be allowed to improve marks in the Practical, Project work, Viva-Voce and Field work.

15. Revision of Regulations and Curriculum

The Regulation, Scheme of Examinations and the syllabus will be in vogue from academic years 2022-23 to 2025-26, that is, for a period of three years. The University may revise/amend/change the Regulations, Scheme of Examinations and the syllabus as and when deemed necessary.

STRUCTURE OF THE COURSE

Subject	Papers	Credit Awarded	Total Credits	Marks	Total Marks
Main	17	4 – 5	72	100	1700
Major Elective	4	3	12	100	400
Non Major Elective	2	2	4	100	200
Value Added Course	1	2	2	100	100
Mooc Course	2	2	4	100	200
Compulsory Paper	1	2	2	100	100
Project work	1	4	4	100	100
Total	28	-	100	-	2800

Nature of the Programme

This Post Graduate Programme is designed with an optimal combination of pure and applied courses in Economics which is offered as M. A., Degree Programme by the Department of Economics, Thiruvalluvar University, Serkkadu, Vellore district Tamil Nadu.

Eligibility for Admission

Any degree from a recognized institutions / Universities. Preference will be given to students who did B. A., (Economics), B.A., (Business Economics), B. A., (History), B.Sc., (Maths), B. Sc., (Statistics), BBA., BBM., B. Com., and B.Sc., / BA., (Honours in Economics).

Students Intake

Number of students to be admitted for M.A., Economics Programme is 28.

Curriculum Design (Allocation of Courses, Credits and Marks)

The M.A., Economics Programme shall consist of two academic years with four semesters. This Programme is offered under CBCS pattern and it consists of Core Courses, Core Elective Courses, Open Elective Courses and Value Added Courses.

Programme: M. A., Economics with effect from 2022 - 2023

Programme Objectives: (5 Points Compulsory)

The curriculum is made to help students learn and develop the skills they need in a number of economics-related areas. The specific objectives are,

- ❖ To comprehend the theories and principles behind the various fields of economics.
- ❖ To put an emphasis on different aspects of the economy in both theory and practice with the goal of boosting confidence and acquiring the skills needed to handle problems and challenges in the field of economics.
- ❖ To outline the domestic and global economic scenarios.
- ❖ To become acquainted with the underlying problems and issues in the economy.
- ❖ To prepare for competitive exams such as the SET, UPSC, TNPSC, UGC-NET, JRF, CSIR, and Indian Economic Services.

Programme Educational Objectives: (5 Points Compulsory)

- ❖ To investigate and research academic knowledge by determining the consequences of Economics subject matter.
- ❖ To perceive societies and environments while exercising rational reflection and taking the right measures.
- ❖ To express well and acquire the soft skills required for working in a variety of socioeconomic scenarios.
- ❖ To Acknowledge and demonstrate a rational understanding of the moral implications of economic theories.
- ❖ To take part in lifelong learning and adjust to shifting societal and professional economic needs.

Programme Specific Outcomes: (10 Points Compulsory)

- ❖ Using theoretical and conceptual knowledge in the field of economics.
- ❖ Addressing difficult economic problems while taking into account their societal, legal, and cultural implications.
- ❖ Understanding and assessing economic issues in view of societal needs.
- ❖ Developing a roadmap for various economic efforts in this area.
- ❖ Employ numerous economic theories to existing research areas while understanding them.
- ❖ Recognize and accept the various issues that the subject of economics raises.
- ❖ Display conceptual and existing concepts in specialized areas of Economics.
- ❖ Assess and evaluate traditional and cutting-edge fields of Economics.

- ❖ Encourage students to think critically and to accept on responsibility to society.
- ❖ Explore jobs in business and other spheres of the economy.

Programme Outcomes: (10 Points Compulsory)

- ❖ Enhancing one's knowledge of the field of economics and adapting its concepts to the demands of society.
- ❖ Developing analytical capabilities in the study of economics.
- ❖ Being aware of activities related to nation-building, community living, and professional ethics.
- ❖ Identifying complex economic issues and offering solutions.
- ❖ Economic occasion prognostication and formulation
- ❖ Finding the appropriate development strategies
- ❖ Working to develop skilled workers to guide the economy.
- ❖ Create scholarly articles about the difficulties and problems of applied economic research on the national and worldwide levels.
- ❖ Utilize quantitative and quantitative techniques when doing objective analysis.
- ❖ Use tools like SPSS, STATA, Eviews, MS EXCEL, etc. to analyze and comprehend data in order to advance applied economic research.

Note: 1. Programme Objectives

- ❖ Total papers, teaching, learning and evaluation comes under programme. Aim of the study including theoretical, practical courses.

2. Programme Educational Objectives

- ❖ Program educational objectives are broad statements that describe the career and professional accomplishments that the program is preparing graduates to achieve.

3. Programme Specific Outcomes

- ❖ Program specific outcomes are statements that describe what the Post Graduates of a specific Science Programme should be able to do.

4. Programme Outcomes

- ❖ Programme outcomes describe what students are expected to know and would be above to do by the time of Post-Graduation. These relate to the skills, knowledge, and behaviours that students acquire as they progress through the program.

5. Course Objectives

- ❖ Aim of the paper including unit wise contents.

6. Course Outcomes

- ❖ Statements indicating what a student can do after the successful completion of a course. Every course leads to some course outcomes. The Course Outcomes statements are defined by considering the course content covered in each module of a course. For every course there may be 4 or 5 course outcomes. The keywords used to define course outcomes are based on Bloom's Taxonomy.

For question paper setting ANNEXURE - III

BLOOM TAXONOMY

QUESTION PAPER SETTING CHECK LIST

Q. No.	COs	i. Remembering	ii. Understanding	iii. Applying	iv. Analyzing	v. Evaluating	vi. Creating
PART – A (Two questions from each category except vi. Creating)							
1.	CO ₁						Nil
2.	CO ₁						Nil
3.	CO ₂						Nil
4.	CO ₂						Nil
5.	CO ₃						Nil
6.	CO ₃						Nil
7.	CO ₄						Nil
8.	CO ₄						Nil
9.	CO ₅						Nil
10.	CO ₅						Nil
PART – B (At the least one question from each category not more than two questions from one category)							
11. A.	CO ₁						
11. B.	CO ₁						
12. A.	CO ₂						
12. B.	CO ₂						
13. A.	CO ₃						
13. B.	CO ₃						
14. A.	CO ₄						
14. B.	CO ₄						
15. A.	CO ₅						
15. B.	CO ₅						
PART – C (One question from each category except i. Remembering)							
16.	CO ₁	Nil					
17.	CO ₂	Nil					
18.	CO ₃	Nil					
19.	CO ₄	Nil					
20.	CO ₅	Nil					
Total Marks *							

* Not exceeding 24 total marks in each category of (ii), (iii), (iv) and (v). Not exceeding 14 marks in category (i) and 20 marks in category (vi).

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Revised Bloom - Anderson 2000 Taxonomy: Code and Verbal Content

Definitions	i. Remembering	ii. Understanding	iii. Applying	iv. Analyzing	v. Evaluating	vi. Creating
Bloom's Definition	Exhibit memory of learned material by recalling facts, terms, basic, concepts, and answers.	Demonstrate understanding of facts and ideas by organizing, comparing, translating, interpreting, giving, descriptions, and stating main ideas	Solve problems to new situations by applying acquired knowledge, facts, techniques and rules in a different way	Examine and break information into parts by identifying motives or causes. Make inferences and find evidence to support generalizations	Present and defend opinions by making judgments about information, validity of ideas, or quality of work based on a set of criteria	Compile information together in a different way by combining elements in a new pattern or proposing alternative solutions
Verbs	1.1: Choose 1.2: Define 1.3 Find 1.4 How 1.5 Label 1.6 List 1.7 Match 1.8 Name 1.9 Omit 1.10 Recall 1.11 Relate 1.12 Select 1.13 Show 1.14 Spell 1.15 Tell 1.16 What 1.17 When 1.18 Where 1.19 Which 1.20 Who 1.21 Why	2.1 Classify 2.2 Compare 2.3 Contrast 2.4 Demonstrate 2.5 Explain 2.6 Extend 2.7 Illustrate 2.8 Infer 2.9 Interpret 2.10 Outline 2.11 Relate 2.12 Rephrase 2.13 Show 2.14 Summarize 2.15 Translate	3.1 Apply 3.2 Build 3.4 Choose 3.5 Construct 3.6 Develop 3.7 Experiment with 3.8 Identify 3.9 Interview 3.10 Make use of 3.11 Model 3.12 Organize 3.13 Plan 3.14 Select 3.15 Solve 3.16 Utilize	4.1. Analyse 4.2 Assume 4.3 Categorize 4.4 Classify 4.5 Compare 4.6 Conclusion 4.7 Contrast 4.8 Discover 4.9 Dissect 4.10 Distinguish 4.11 Divide 4.12 Examine 4.13 Function 4.14 Inference 4.15 Inspect 4.16 List 4.17 Motive 4.18 Relationships 4.19 Simplify 4.20 Survey 4.21 Take part in 4.22 Test for 4.23 Theme	5.1 Agree 5.2 Appraise 5.3 Assess 5.4 Award 5.5 Choose 5.6 Compare 5.7 Conclude 5.8 Criteria 5.9 Criticize 5.10 Decide 5.11 Deduct 5.12 Defend 5.13 Determine 5.14 Disprove 5.15 Estimate 5.16 Evaluate 5.17 Explain 5.18 Importance 5.19 Influence 5.20 Interpret 5.21 Judge 5.22 Justify 5.23 Mark 5.24 Measure 5.25 Opinion 5.26 Perceive 5.27 Prioritize 5.28 Prove 5.29 Rate 5.30 Recommend 5.31 Rule on 5.32 Select 5.33 Support 5.34 Value	6.1 Adapt 6.2 Build 6.3 Change 6.4 Choose 6.5 Combine 6.6 Compile 6.7 Compose 6.8 Construct 6.9 Create 6.10 Delete 6.11 Design 6.12 Develop 6.13 Discuss 6.14 Elaborate 6.15 Estimate 6.16 Formulate 6.17 Happen 6.18 Imagine 6.19 Improve 6.20 Invent 6.21 Make up 6.22 Maximize 6.23 Minimize 6.24 Modify 6.25 Original 6.26 Originate 6.27 Plan 6.28 Predict 6.29 Propose 6.30 Solution 6.31 Solve 6.32 Suppose 6.33 Test 6.34 Theory

Technical Terms – Definition



THIRUVALLUVAR UNIVERSITY - M.A. ECONOMICS SYLLABUS
UNDER CBCS, (With effect from 2022 - 2023)
The Course of Study and the Scheme of Examination

	Study Components		ins. hrs / week	Credit	Title of the Paper	Maximum Marks		
	Course Title					CIA	Uni. Exam	Total
SEMESTER I								
1.	Core	Paper – 1	5	4	Micro Economics Analysis – I	25	75	100
2.	Core	Paper – 2	5	4	Macro Economics Analysis – I	25	75	100
3.	Core	Paper – 3	5	4	Mathematical for Economics	25	75	100
4.	Core	Paper – 4	5	4	Economics of Growth & Development	25	75	100
5.	Core	Paper - 5	5	3	Industrial Economics	25	75	100
Internal Elective for same major students (Choose any one)								
6.	Major Elective	Paper-1	3	3	(A). Contemporary Issues in Historical Perspective (B). Human Resource Management (C). Introductory Econometrics	25	75	100
7.	Value Added Course	Paper-1	2	2	Foreign Trade Documentation and Procedures	25	75	100
			30	24		175	525	700
SEMESTER II						CIA	Uni. Exam	Total
8.	Core	Paper – 6	5	4	Micro Economics Analysis – II	25	75	100
9.	Core	Paper - 7	5	4	Macro Economics Analysis – II	25	75	100
10.	Core	Paper – 8	5	4	Statistical Methods	25	75	100
11.	Core	Paper – 9	5	3	Agricultural Economics	25	75	100
12.	Core	Paper - 10	4	3	Financial Institutions and Markets	25	75	100
Internal Elective for same major students (Choose any one)								
13.	Major Elective	Paper-2	3	3	(A). Analytical Development Economics (B). Welfare Economics (C) Applied Econometrics	25	75	100
External Elective for other major students (Inter/multi-disciplinary papers) (Choose any one)								
14.	Non Major Elective	Paper-2	2	2	(A).Economics of Sustainable Development. (B). Economics For Managers. (C). Foundations of Economics.	25	75	100
15.	Compulsory Paper		2	2	Human Rights	25	75	100
			31	25		200	600	800

	Study Components		ins. hrs / week	Credit	Title of the Paper	Maximum Marks		
	Course Title					CIA	Uni. Exam	Total
SEMESTER III								
16.	Core	Paper - 11	6	4	Public Economics – I	25	75	100
17.	Core	Paper – 12	6	4	Research Methodology	25	75	100
18.	Core	Paper – 13	6	4	International Economics	25	75	100
19.	Core	Paper - 14	6	4	Indian Economic Development & Policies	25	75	100
Internal Elective for same major students (Choose any one)								
20.	Major Elective	Paper-3	4	3	(A). Computer Applications in Economics (B). Rural Economics (C). Labour Economics	25	75	100
External Elective for other major students (Inter/multi-disciplinary papers) (Choose any one)								
21.	Non Major Elective	Paper-2	2	2	(A). Economics of Farm Management (B). Economics of Infrastructure (C). Issues in Indian Fiscal Policy	25	75	100
22.	MOOC Courses		-	2 + 2 = 4	DMOEC - 37	25	75	100
23.	USRR (FIELD VISIT)		-	2	DUSRR - 30	25	75	100
			30	27		200	600	800
SEMESTER IV						CIA	Uni. Exam	Total
24.	Core	Paper – 15	5	4	Public Economics – II	25	75	100
25.	Core	Paper – 16	5	4	Financial Economics	25	75	100
26.	Core	Paper - 17	5	4	Monetary Economics	25	75	100
27.	Core	Project Work Compulsory	12	5	Project with viva voce DDPEC - 45	100 (75 Project +25 viva)		100
Internal Elective for same major students (Choose any one)								
28.	Major Elective	Paper-4	3	3	(A). Environmental Economics (B). Managerial Economics (C). Security Markets Operations	25	75	100
			30	20		125	375	500
			120	96				2800



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ANNEXURE - I

Course Structure

THIRUVALLUVAR UNIVERSITY, VELLORE – 632 115

M. A., Economics – 2022-2023 onwards

Semester: I

Paper type: Core

Paper code: DDEC 11

Name of the Paper: Micro Economic Analysis - I

Credit: 5

Total Hours per Week: 5

Lecture Hours: 45

Tutorial Hours: 1

Course Objectives

- ❖ To provide students with a thorough introduction to contemporary microeconomic analysis.
- ❖ This paper examines how people, businesses, and markets behave economically.
- ❖ Its primary objective is to provide students with a comprehensive understanding of the numerous facets of consumer behaviour, demand analysis, production theory, cost behaviour, the theory of traditional markets, and firm equilibrium within a contemporaneous non-profit maximizing paradigm.
- ❖ To acquaint the students with the theories and foundations of microeconomics
- ❖ To assist students in comprehending the principles of microeconomics.

Course Out Comes (five outcomes from each units should be mentioned)

CO1: After studied unit-1, the student will be able to Highlights the Economic behaviour of Individuals, firms and markets.

CO2: After studied unit-2, the student will be able to Gain knowledge and concerned with the Various aspects of consumer behaviour.

CO3: After studied unit-3, the student will be able to Understand the demand analysis and Production theories and its related concepts.

CO4: After studied unit-4, the student will be able to comprehend the cost and revenue analysis and its associated concepts.

CO5: After studied unit-5, the student will be able to Study distribution theories and factor analysis within the framework of the theme of the subject.

Matching Table (Put Yes / No in the appropriate box)

Unit	i. Remembering	ii. Understanding	iii. Applying	iv. Analyzing	v. Evaluating	vi. Creating
1	Yes	Yes	Yes	No	Yes	Yes
2	Yes	No	Yes	Yes	Yes	No
3	Yes	Yes	No	No	No	Yes
4	Yes	No	Yes	Yes	Yes	No
5	Yes	Yes	No	No	No	Yes

Unit-1: Scope of Economic Theory**(Teaching Hours: 8)**

Meaning - Definition of Economics - Scope of Economic Theory – Basic Economic Problems – Deductive Method – Inductive Method – Economic Models – Static – Dynamic and Comparative Static Analysis.

Unit-2: Demand Analysis**(Teaching Hours: 9)**

Demand – Types of Demand – Measurement of Demand – Law of Demand – Exceptions of Law Demand - Marginal Utility Analysis - Cardinal Utility Analysis – Indifference Curve Analysis – Elasticity of Demand – Income Substitution Effect – Slutsky - Hicksian.

Unit-3: Consumer Behaviour**(Teaching Hours: 9)**

Marshallian of Consumer surplus – Consumer surplus and Change in Price – Hicksian Consumer Surplus – Consumer Surplus Cost Benefit Analysis – Revealed Preference Theory.

Unit-4: Production Function and Cost Analysis**(Teaching Hours: 10)**

Meaning of Production – Production Function – Long run and short run Production Function – Iso-Quants – Cobb – Douglas Production Function - Linear Production Function - Elasticity of Technical Substitution (ETS) – Important of Production Function – CES – Cost function – Short run and Long run cost Curves.

Unit-5: Market Structure**(Teaching Hours: 9)**

Meaning of Market Structure and Classifications – Sales Maximization – Hall and Hitch model – Equilibrium of the firm – Price and Output Determination under Perfect and imperfect competition and monopoly oligopoly, duopoly.

Internal Assessment Methods: refer instructions**Text book:**

- ❖ Kreps, David M. (1990), “A Course in Microeconomic Theory”, Princeton University Press, Princeton.
- ❖ Koutsoyiannis, A. (1979), “Modern Microeconomics”, (2nd Edition), Macmillan Press, London.
- ❖ Layard, P. R. G. and A. W. Alters (1978), “Microeconomic Theory”, McGraw Hill, New York.
- ❖ Sen, A. (1999), “Microeconomics: Theory and Applications”, Oxford University Press, New Delhi.
- ❖ Stigler, G. (1996), “Theory of Price”, (4th Edition), Prentice Hall of India, New Delhi.
- ❖ Varian, H. (2000), “Microeconomic Analysis”, W. W. Norton, New York.
- ❖ Baumol, W. J. (1982), “Economic Theory and Operations analysis”, Prentice Hall of India, New Delhi.
- ❖ Rubinfeld, Daniel and Pindyck, Robert (2012i) Microeconomics: International Edition, 8/E with MyEconLab Student Access Card. 8 ed. Harlow: Pearson Education.
- ❖ Renshaw, Geoffrey and Ireland, Norman J. (2012) Maths for economics. 3rd ed. Oxford: Oxford University Press.
- ❖ Varian, Hal R. (2010y) Intermediate microeconomics: a modern approach. 8th ed., International student ed. New York: W. W. Norton & Company.

Reference Book:

- ❖ Jehle, G. and P. Reny (2001): Advanced Microeconomic Theory, Addison Wesley.
- ❖ Mas-Collel, A., M. Whinston and J. Green (1995): Microeconomic Theory, 2nd ed. Oxford University Press.
- ❖ Maskin, E. and J. Riley (1984): Monopoly with Incomplete Information, Rand Journal of Economics, 15: 171- 96.
- ❖ Cowell, Frank A. (2006) Microeconomics: principles and analysis. Oxford: Oxford University Press.
- ❖ Dasgupta, Partha (2007) Economics: a very short introduction. New York: Oxford University Press.
- ❖ Estrin, Saul, Laidler, David E. W. and Dietrich, Michael (2012) Microeconomics. 6th ed. Harlow: Pearson. Available at: <http://www.vlebooks.com/vleweb/product/openreader?id=KentUniv&isbn=9780273735625>.
- ❖ Gravelle, Hugh and Rees, Ray (2004) Microeconomics. 3rd ed. Harlow: Financial Times Prentice Hall.
- ❖ Morgan, C. W., Katz, Michael L. and Rosen, Harvey S. (2009m) Microeconomics. 2nd European ed. London: McGraw-Hill Higher Education.
- ❖ Pindyck, Robert S. and Rubinfeld, Daniel L. (2001c) Microeconomics. 5th ed. London: Prentice Hall International.

Course Material:**Website links:**

- ❖ <http://www.apstudynotes.org/us-history/outlines/chapter-20-girding-for-war-the-north-and-the-south-1861-1865/>.
- ❖ <http://kantarmediana.com/insight-center/insight-briefs/infographic-us-advertising-year-end-trends-report-2012>.
- ❖ http://www2.econ.iastate.edu/classes/econ321/orazem/anderson_motherhood-penalty.pdf.

e-Books :

- ❖ <https://bookboon.com/en/microeconomics-uk-ebook>
- ❖ <http://pressbooks.oer.hawaii.edu/principlesofmicroeconomics/>
- ❖ <https://open.umn.edu/opentextbooks/textbooks/28>

e-journals :

- ❖ Academy of Economics and Economic Education proceedings
- ❖ Advances in management and applied economics
- ❖ Asia Pacific Journal of Economics & Business

Mapping with Programme Outcomes

COs	PO ₁	PO ₂	PO ₃	PO ₄	PO ₅	PO ₆	PO ₇	PO ₈	PO ₉	PO ₁₀
CO ₁	S	M	S	M	M	S	S	M	M	S
CO ₂	M	S	M	S	M	M	M	S	M	S
CO ₃	S	S	M	M	S	M	M	M	S	M
CO ₄	M	M	S	S	M	S	S	S	M	S
CO ₅	S	S	M	M	S	M	S	M	S	M

PO – Programme Outcome, CO – Course outcome
 S – Strong , M – Medium, L – Low (may be avoided)

THIRUVALLUVAR UNIVERSITY, VELLORE – 632 115
M. A., Economics – 2022-2023 onwards

Semester: I

Paper type: Core

Paper code: DDEC 12

Name of the Paper: Macro Economic Analysis - I

Credit: 5

Total Hours per Week: 5

Lecture Hours: 45

Tutorial Hours: 1

Course Objectives

- ❖ Macro economics founds the functional relationship between the aggregate Economic Indicators and it is essential for the proper comprehension of the different policies and issues at aggregate level.
- ❖ Students will become familiar with measures of economic performance, learn to use these indicators to evaluate current economic conditions, and understand how markets function in a capitalistic society.
- ❖ Students will learn the major perspectives on what determines performance of the overall economy and will learn to analyze impacts on the economy.
- ❖ Students will learn the key approaches to macroeconomic policy. They will develop skills to analyze impacts of policy actions and to evaluate the advantages and disadvantages of different policies.
- ❖ The overarching goals of macroeconomics are to maximize the standard of living and achieve stable economic growth.

Course Out Comes (five outcomes from each units should be mentioned)

CO₁: After studied unit-1, the student will be able to identify the functional relationship between the aggregate economic indicators.

CO₂: After studied unit-2, the student will be able to gain knowledge and proper comprehension of the different policies and issues at aggregate level.

CO₃: After studied unit-3, the student will be able to study the Classical, Keynesian theories of employment and its related concepts.

CO₄: After studied unit-4, the student will be able to relate factors determine National Income such as Consumption, Savings and Investments.

CO₅: After studied unit-5, the student will be able to interpret Macro Economic Issues such as Money, Foreign Exchange and Inflation.

Matching Table (Put Yes / No in the appropriate box)

Unit	i. Remembering	ii. Understanding	iii. Applying	iv. Analyzing	v. Evaluating	vi. Creating
1	Yes	Yes	Yes	No	Yes	Yes
2	Yes	No	Yes	Yes	Yes	No
3	Yes	Yes	No	No	No	Yes
4	Yes	No	Yes	Yes	Yes	No
5	Yes	Yes	No	No	No	Yes

Unit-1: Nature and Scope of Macro Economics

(Teaching Hours: 8)

Meaning and definition – Significance – Limitations – Statics and Comparative, Statics Vs Dynamics – Determination of National Income and Employment, General Price Level and Inflation, Business Cycle, Economic Growth.

Unit-2: Classical and Keynesian Theories of Employment (Teaching Hours: 9)

Classical Theory of Employment – Say’s Law – The Keynesian Theory of Income, Output and Employment – Unemployment and Full Employment - Criticisms of Keynesian Theory.

Unit-3: Post - Keynesian Developments (Teaching Hours: 9)

The Consumption Function – Theories of Consumption Function – Determinants of Consumption Function – Absolute Income Hypothesis, Relative Income Hypothesis, The Permanent Income Hypothesis, The Life Cycle Hypothesis.

Unit-4: Investment Function (Teaching Hours: 10)

Investment Theory – MEC and Interest Rate – The Multiplier – Accelerator Interaction – Determinants of the level of Investment – MEI – Relationship between MEC and MEI – Influence of Policy Measures on Investment – Tobin’s Portfolio Choice Theory.

Unit-5: Macro Economic Policy Models (Teaching Hours: 9)

Macro Economic policy – Objectives and Instruments – Problems of Macro Economic policy: The Swan Model, The Mundellian Model.

Internal Assessment Methods: refer instructions**Text book:**

- ❖ Kreps, David M. (1990), “A Course in Microeconomic Theory”, Princeton University Press, Princeton.
- ❖ Koutsoyiannis, A. (1979), “Modern Microeconomics”, (2nd Edition), Macmillan Press, London.
- ❖ Layard, P. R. G. and A. W. Alters (1978), “Microeconomic Theory”, McGraw Hill, New York.
- ❖ Sen, A. (1999), “Microeconomics: Theory and Applications”, Oxford University Press, New Delhi.
- ❖ Stigler, G. (1996), “Theory of Price”, (4th Edition), Prentice Hall of India, New Delhi.
- ❖ Varian, H. (2000), “Microeconomic Analysis”, W. W. Norton, New York.
- ❖ Baumol, W. J. (1982), “Economic Theory and Operations analysis”, Prentice Hall of India, New Delhi.
- ❖ Campbell R. McConnell, Stanley L. Brue, Sean Masaki Flynn (2014) “Macroeconomics: Principles, Problems, & Policies,” McGraw Hill, New Delhi.
- ❖ Paul Krugman, Robin Wells (2015) Macroeconomics, worth publications, USA.
- ❖ Bradley R. Schiller, Karen Gebhardt (2015) “The Macro Economy Today”, The McGraw-Hill Series in Economics, New Delhi.

Reference Book:

- ❖ Phelps, Edmund S. (1990). Seven Schools of Thought in Macroeconomics. Oxford, Eng.: Oxford University Press.
- ❖ Barro, R.J., and H.I. Grossman. 1976. Money, Employment and Inflation. Cambridge Books.
- ❖ Baumol, William J. (1970). Economic Dynamics. New York: MacMillan.
- ❖ Cooper, J. P., and Stanley Fischer. (1974). “Monetary and Fiscal Policy in a Fully Stochastic St. Louis Econometric Model.” Journal of Money Credit and Banking 6: 1–22.
- ❖ Fair, Ray C. (1984). Specification, Estimation, and Analysis of Macroeconometric Models. Cambridge, Mass.: Harvard University Press.

- ❖ Hall, Robert E., and John B. Taylor. (1993). *Macroeconomics: Theory, Performance, and Policy*. 4th Ed. New York: Norton
- ❖ Keynes, John Maynard. (1936). “The General Theory of Employment, Interest and Money”, London: MacMillan.
- ❖ Mankiw, N. Gregory, and David Romer, eds. (1991). *New Keynesian Economics*. Cambridge, Mass.: MIT Press.
- ❖ Sargent, Thomas J. (1987a). *Macroeconomic Theory*. 2nd ed. New York: Academic Press.
- ❖ Sargent, Thomas J. (1987b). *Dynamic Macroeconomic Theory*. Cambridge, Mass.: Harvard University Press.

Course Material:

website links:

- ❖ <https://durhamtech.libguides.com/macroeconomics/videos>
- ❖ <https://durhamtech.libguides.com/macroeconomics/materials>
- ❖ <https://durhamtech.libguides.com/macroeconomics/databases>

e-Books :

- ❖ <https://www.amazon.in/Macroeconomics-Principles-Problems-Campbell-McConnell/dp/0077660897>
- ❖ <https://books.google.com/books/about/Macroeconomics.html?id=eHomSAAACAAJ>
- ❖ https://umbrella.lib.umb.edu/primo-explore/fulldisplay?vid=01MA_UMB&docid=01MA_UMB_ALMA2168850160003746&lang=en_US&context=L

e-journals :

- ❖ <https://journals.sagepub.com/home/smp>
- ❖ <https://www.coursera.org/courses?query=macroeconomics>
- ❖ <https://network.bepress.com/social-and-behavioral-sciences/economics/macroeconomics/>

Mapping with Programme Outcomes

COs	PO ₁	PO ₂	PO ₃	PO ₄	PO ₅	PO ₆	PO ₇	PO ₈	PO ₉	PO ₁₀
CO ₁	M	S	M	S	S	M	M	S	S	M
CO ₂	S	M	S	M	S	S	S	M	S	M
CO ₃	M	M	S	S	M	S	S	S	M	S
CO ₄	S	S	M	M	S	M	M	M	S	M
CO ₅	M	M	S	S	M	S	M	S	M	S

PO – Programme Outcome, CO – Course outcome
 S – Strong , M – Medium, L – Low (may be avoided)

THIRUVALLUVAR UNIVERSITY, VELLORE – 632 115
M. A., Economics – 2022-2023 onwards

Semester: I

Paper type: Core

Paper code: DDEC 13

Name of the Paper: Mathematical Economics

Credit: 5

Total Hours per Week: 5

Lecture Hours: 45

Tutorial Hours: 1

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Course Objectives

- ❖ The objective of this paper is to study the basic mathematical concepts relating to economic analysis and its applications.
- ❖ Students will become familiar with measures of economic performance, learn to use these indicators to evaluate current economic conditions, and understand how markets function in a capitalistic society.
- ❖ Improve the mathematical skills necessary to study economics.
- ❖ Identify, solve and interpret the characteristics of each family of functions: Linear programming and its Interpretation.
- ❖ Analyze applications of economics and input output analysis.

Course Out Comes (five outcomes from each units should be mentioned)

CO₁: After studied unit-1, the student will be able to gain Knowledge on basic Mathematical concepts relating to Economic analysis and its applications.

CO₂: After studied unit-2, the student will be able to teach the applications of Mathematics in Economics.

CO₃: After studied unit-3, the student will be able to solve unconstrained optimization problems involving functions of single and multiple variable.

CO₄: After studied unit-4, the student will be able to answer simultaneous equations using Matrix Inversion and Cramer's Rule.

CO₅: After studied unit-5, the student will be able to give solutions to solve differential equations and perform basic integration.

Matching Table (Put Yes / No in the appropriate box)

Unit	i. Remembering	ii. Understanding	iii. Applying	iv. Analyzing	v. Evaluating	vi. Creating
1	Yes	Yes	Yes	No	Yes	Yes
2	Yes	No	Yes	Yes	Yes	No
3	Yes	Yes	No	No	No	Yes
4	Yes	No	Yes	Yes	Yes	No
5	Yes	Yes	No	No	No	Yes

Unit-1: Matrix – An Introduction

(Teaching Hours: 8)

Matrix – Types - Simple Operations on Matrices - Matrix Inversion and Rank Matrix - Determinants and basic Properties- Solution of Simultaneous Equations Through Matrix - Cramer's Rule.

Unit-2: Linear programming**(Teaching Hours: 9)**

Basic concept - Formulation of a Linear Programming Problem - Structure and Variables - Nature of Feasible, Basic and Optimal Solution- Solution of Linear Programming through Graphical Methods – Simplex methods and Transpose method - Formulation of Dual Programme and Interpretation.

Unit-3: Rules of Differentiation**(Teaching Hours: 9)**

Rules of Differentiation - Total Derivatives and Partial Derivatives - Maxima and Minima, Points of Inflexion - Optimisation – Unconstrained and Constrained – Cost Curves and its Applications to Economics: Cost Curve.

Unit-4: Integration and its Economic Applications**(Teaching Hours: 10)**

Integration - Simple Rules of Integration- Applications to Consumer's Surplus and Producer's Surplus.

Unit-5: Input-Output Analysis**(Teaching Hours: 9)**

Input-Output Analysis – Open and Closed Model – Leontief Model – Economic Applications and Uses of Input and Output Model.

Internal Assessment Methods: refer instructions**Text book:**

- ❖ Metha and Madhani. (2017), "Mathematics for Economists", Sultan Chand & Sons, New Delhi.
- ❖ Agarwall D.R (2012), "Mathematics for Economists", Vrinda publications, New Delhi.
- ❖ Henderson, J.M. & R.E. Quandt (2010), "Microeconomic Theory: A Mathematical Approach", McGraw Hill, New York.
- ❖ Allen, R.G.D. (2020), "Mathematical Analysis for Economics", A.I.T.B.S Publishers, India.
- ❖ Alpha C. Chiang (2014), "Fundamental Methods of Mathematical Economics", Vrinda publications, New Delhi.
- ❖ Taro Yamane (2009), "Mathematics for Economics", Sultan Chand & Sons, New Delhi.
- ❖ D. R. Agarwal (2014), "Quantitative methods – mathematics and statistics", Sultan Chand & Sons, New Delhi.
- ❖ R.Veerachamy (2012), "Quantitative Methods for economics", Vrinda publications, New Delhi.
- ❖ Kam Yu (2020) "Mathematical Economics", **Springer, London.**
- ❖ R. G. D. Allen (2014) "Mathematical Analysis for Economists", Trinity Press, London.

Reference Book:

- ❖ Knut Sydsaeter, Peter Hammond, Arne Strom, Andrés Carvajal (2021) "Essential Mathematics for Economic Analysis", Pearson, London.
- ❖ Carter, Michael, Foundations of mathematical economics, MIT Press, Cambridge, Massachusetts, 2001.
- ❖ Heal, Geoffrey M. and Hughes, Gordon A. and Tarling, Roger J., Linear algebra and linear economics, Macmillan, London, 1974.
- ❖ Rudin, Walter, Principles of mathematical analysis (2nd edition), McGraw-Hill, New York, 1964.
- ❖ Rudin, Walter, Principles of mathematical analysis (3rd edition), McGraw-Hill, New York, 1976.
- ❖ Simon, Carl P. and Blume, Lawrence, Mathematics for economists, Norton, New York, 1994.
- ❖ Sydsaeter, Knut, Topics in mathematical analysis for economists, Academic Press, London, 1981.

- ❖ Sydsæter, Knut and Hammon, Peter J., Mathematics for economic analysis, Prentice Hall, Upper Saddle River, New Jersey, 1995.
- ❖ Takayama, Akira, Mathematical economics, Dryden Press, Hinsdale, Illinois, 1974.
- ❖ Takayama, Akira, Mathematical economics (2nd edition), Cambridge University Press, Cambridge, 1985.

Course Material:

website links:

- ❖ <https://www.amazon.in/Essential-Mathematics-Economic-Analysis-Sydsaeter/dp/1292359285>
- ❖ <https://www.pearson.com/uk/educators/higher-education-educators/program/Sydsaeter-Essential-Mathematics-for-Economic-Analysis-6th-Edition/PGM100003045942.html>
- ❖ https://books.google.com/books/about/Essential_Mathematics_for_Economic_Analy.html?id=NrcRzgEACAAJ

e-Books :

- ❖ https://encryptedtbn3.gstatic.com/shopping?q=tbn:ANd9GcOmZtDY9UKDnTkCYKxyPqDtEz1YZ2gzTJ5229oxB8SL1wZ3W9V1c6DDGKylkR4QvLrF_5xaf2_nnmZmPCi1d4SL765Fox60w4CoQWiO39v&usqp=CAC
- ❖ <https://encrypted-tbn0.gstatic.com/shopping?q=tbn:ANd9GcOS-NSK6GbexN6lZxcscCI29wHT3-QaPDm3JuAQ5AW5zHR0QY5er7dzXEMrGIX43Q&usqp=CAC>
- ❖ <https://encryptedtbn3.gstatic.com/shopping?q=tbn:ANd9GcSoiw44H4stvxLcfWw3OyO6orBoW8BJ3dHk6HerPUODOFLAf9fRFajZp305tL2lWsGdPDXJSfwIsbnYWErPZu9E7dpZEDZG20cOvj8nEE&usqp=CAC>

e-journals :

- ❖ https://www.elsevier.com/_data/cover_img/505577.gif
- ❖ <https://www.elsevier.com/journals/journal-of-mathematical-economics/0304-4068/guide-for-authors>
- ❖ <https://www.sciencedirect.com/journal/journal-of-mathematical-economics>

Mapping with Programme Outcomes

COs	PO ₁	PO ₂	PO ₃	PO ₄	PO ₅	PO ₆	PO ₇	PO ₈	PO ₉	PO ₁₀
CO ₁	S	M	S	M	M	S	S	M	M	S
CO ₂	M	S	M	S	M	M	M	S	M	S
CO ₃	S	S	M	M	S	M	M	M	S	M
CO ₄	M	M	S	S	M	S	S	S	M	S
CO ₅	S	S	M	M	S	M	S	M	S	M

PO – Programme Outcome, CO – Course outcome

S – Strong, M – Medium, L – Low (may be avoided)

THIRUVALLUVAR UNIVERSITY, VELLORE – 632 115
M. A., Economics – 2022-2023 onwards

Semester: I

Paper type: Core

Paper code: DDEC 14

Name of the Paper: Economics of Growth and Development

Credit: 5

Total Hours per Week: 5

Lecture Hours: 45

Tutorial Hours: 1

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Course Objectives

- ❖ Objective of this paper is to understand the relevance of economics in growth and development perspectives.
- ❖ This will enable the students to study functional growth models relevant to economic development.
- ❖ To improve the material standards of living by raising the absolute level of per capita incomes. Raising per capita incomes is also a stated objective of policy of the governments of all developing countries.
- ❖ To reduce unemployment, achieve economic stability, and increase the standard of living for all citizens.
- ❖ To build a highly skilled, flexible workforce.

Course Out Comes (five outcomes from each units should be mentioned)

CO₁: After studied unit-1, the student will be able to understand the relevance of the Economics in Growth and Development perspectives.

CO₂: After studied unit-2, the student will be able to study functional Growth models relevant to Economic Development.

CO₃: After studied unit-3, the student will be able to familiarize students with cutting edge research topics in the field.

CO₄: After studied unit-4, the student will be able to provide a critical reading of the current literature on the empirical Economic Development.

CO₅: After studied unit-5, the student will be able to present conceptual tools to improve students analytical ability and their access to publish .

Matching Table (Put Yes / No in the appropriate box)

Unit	i. Remembering	ii. Understanding	iii. Applying	iv. Analyzing	v. Evaluating	vi. Creating
1	Yes	Yes	Yes	No	Yes	Yes
2	Yes	No	Yes	Yes	Yes	No
3	Yes	Yes	No	No	No	Yes
4	Yes	No	Yes	Yes	Yes	No
5	Yes	Yes	No	No	No	Yes

Unit-1: Classical Views of Growth and Development

(Teaching Hours: 8)

Economic Growth and Development – Determinants – Adam Smith, Ricardo, Malthus, Schumpeter - Growth and Development of an Economy – Business Fluctuations and the Process of Development.

Unit-2: Models of Growth**(Teaching Hours: 9)**

Domar's Model of Economic Growth – Harrod's Models of Economic Growth – Comparison of the Two Models – Critical Evaluation of the Harrod – Domar Models – Solow – Meade – Exogenous Technical Progress and Population Growth – Issues of Stability.

Unit-3: Models of Development**(Teaching Hours: 9)**

Rostow Stages of Economic Growth – J.S. Mill – Karl Marx – Joan Robinson – Endogenous Growth Models – The Theory of Balanced Growth – Unbalanced Growth – Theory of Big Push.

Unit-4: Technical Progress and Labour Savings**(Teaching Hours: 10)**

The Role of Capital in Economic Development – The Capital-Output Ratio – Capital and Labour Intensive techniques – Harrod and Hicks' Classification of Technical progress – Impact of Technology on Development – Investment in Human Capital – Physical, Financial and Human Capital.

Unit-5: Foreign Investment and Multinational Corporations (MNCs) (Teaching Hours: 9)

MNCs – Gains and Potential Costs of Transnational Corporations (TNCs) to a Host Country – Long term Costs of TNCs – Environmental Degradation – Export Processing Zones and the Problems of Small Nations – Bargaining with the TNCs/MNCs – Impact of MNCs on National Economy.

Internal Assessment Methods: refer instructions**Text book:**

- ❖ A.P. Thirlwal (2012), "Growth and Development", MacMillan Publications, London.
- ❖ Michael P. Todaro, Stephen C. Smith (2017), "Economic Development", Longman Publications, London.
- ❖ A.K. Sen (Ed.) (2000), "Growth Economics", Penguin Publications, Harmondsworth.
- ❖ Chakravarty, Sukhomoy (1982), "Alternative Approaches to a Theory of Economic Growth", Orient Longman Publications, Calcutta.
- ❖ H.L. Ahuja (2019), "Development Economics", S.Chand Publications, New Delhi.
- ❖ R.K. Lekhi, Joginder Singh (2015), "The Economics of Development and Planning", Kalyani Publications, New Delhi.
- ❖ Barro, Robert J. (1997) *Determinants of Economic Growth: A Cross-Country Empirical Study*. Cambridge, Mass: MIT Press.
- ❖ Kuznets, Simon (1959) "On Comparative Study of Economic Structure and Growth of Nations." In *The Comparative Study of Economic Growth and Structure*. New York.
- ❖ Kuznets, Simon (1966) *Modern Economic Growth: Rate, Structure, and Spread*. New Haven: Yale University Press.
- ❖ Sachs, Jeffrey (2005) *The End of Poverty: Economic Possibilities for Our Time*. New York, NY: Penguin Press.

Reference Book:

- ❖ Taylor, Lance. 1979. *Macro Models for Developing Countries*. New York: McGraw-Hill.
- ❖ Barrow, Robert J. (1991), 'Economic Growth in a Cross Section of Countries', *Quarterly Journal of Economics*, 106(2): pp.407–443.
- ❖ DeLong (2004), 'India Since Independence: An Analytical Growth Narrative', in Rodrik (ed.), *Modern Economic Growth: Analytical Country Studies*.
- ❖ Denison (1967), 'Why Growth Rates Differ? Post War Experience in Nine Western Countries', Brookings Institution, Washington DC.

- ❖ Denison (1979), 'Accounting for Slower Economic Growth', Brookings Institution, Washington DC.
- ❖ Dreze, J. and Amartya Sen (eds.) (1997), 'India: Economic Development and Social Opportunity', Oxford India Paperbacks, Oxford University Press.
- ❖ Kamdar (2007), 'Economic Growth and Human Development-A Study of Maharashtra', Himalaya Publishing House, Mumbai.
- ❖ Kochhar et al., (2006), 'India's Pattern of Development: What Happened, What Follows', Journal of Monetary Economics, 53: pp.981–1019.
- ❖ Kuznets (1966), 'Modern Economic Growth, Rate, Structure, and Spread', Yale University Press, New Haven.
- ❖ Lucas (1988), 'On the Mechanics of Economic Development', Journal of Monetary Economics, 21(1).

Course Material:

website links:

- ❖ <http://www.bubhopal.nic.in>
- ❖ http://hdr.undp.org/en/media/HDR_20072008_Tech_Note_1.pdf
- ❖ <https://iegindia.org/>

e-Books :

- ❖ https://www.google.com/aclk?sa=L&ai=DChcSEwi_s7ymrOT4AhWXmmYCHf7xAAgYABADGgJzbQ&ae=2&sig=AOD64_1VVHnOSwmNpUVhkO_mlhT7UuyFUA&ctype=5&q=&ved=2ahUKEwiy-bOmrOT4AhVG4DgGHbjxANEQ9aACKAB6BAgBEEg&adurl=
- ❖ https://www.googleadservices.com/pagead/aclk?sa=L&ai=DChcSEwi_s7ymrOT4AhWXmmYCHf7xAAgYABAEgGJzbQ&ae=2&ohost=www.google.com&cid=CAESaD2U_r7nZ_tCs1_cRgex8CaCzOP7fmn1oN9BDtD0CbJKopwiN6bWhWTYej5KanfDC74azkkOygJa4CV6ko9kInOrnLCkoaCw0Zgwdlu_nLH49KLmNj2ovKWGr5de5fullr0Y41vnBcVPvBl&sig=AOD64_1w1wKeuV2Ha3_68ORCNKpquy_GGzQ&ctype=5&q=&ved=2ahUKEwiybOmrOT4AhVG4DgGHbjxANEQ9aACKAB6BAgBEFA&adurl=
- ❖ <https://www.amazon.in/Economic-Growth-Development-Hendrik-Berg-ebook/dp/B01LZD0TGC>

e-journals :

- ❖ <https://www.jstor.org/stable/41242922>
- ❖ <https://www.jstor.org/page-scan-delivery/get-page-scan/41242922/0>
- ❖ <https://www.jstor.org/page-scan-delivery/get-page-scan/41242922/0>

Mapping with Programme Outcomes

COs	PO ₁	PO ₂	PO ₃	PO ₄	PO ₅	PO ₆	PO ₇	PO ₈	PO ₉	PO ₁₀
CO ₁	S	M	S	M	M	S	S	M	M	S
CO ₂	M	S	M	S	M	M	M	S	M	S
CO ₃	S	S	M	M	S	M	M	M	S	M
CO ₄	M	M	S	S	M	S	S	S	M	S
CO ₅	S	S	M	M	S	M	S	M	S	M

PO – Programme Outcome, CO – Course outcome

S – Strong , M – Medium, L – Low (may be avoided)

THIRUVALLUVAR UNIVERSITY, VELLORE – 632 115
M. A., Economics – 2022-2023 onwards

Semester: I

Paper type: Core

Paper code: DDEC 15

Name of the Paper: Industrial Economics

Credit: 5

Total Hours per Week: 5

Lecture Hours: 45

Tutorial Hours: 1

Course Objectives

- ❖ The objective of the papers intends to provide knowledge to the students on the basic issues as productivity, efficiency, capacity utilization and debate involved in industrial development.
- ❖ The main educational objective is the acquisition of the basic knowledge and competences allowing students to analyze and discuss the theoretical mechanisms formalizing the relationships existing across firms and within industries.
- ❖ To examine the key questions on the internal organisation of firms
- ❖ To analyse various aspects of strategic interaction between firms and the determinants of industrial structure
- ❖ To provide students with the ability to apply economic models of firm behaviour to analyse questions in business strategy, competition policy and regulation.

Course Out Comes (five outcomes from each units should be mentioned)

CO₁: After studied unit-1, the student will be able to provide knowledge on Productivity, Efficiency of Capacity Utilization in Industries.

CO₂: After studied unit-2, the student will be able to provide an introduction to current theory and empirical works in Industrial Economics.

CO₃: After studied unit-3, the student will be able to analyze the Industrial location, Policy, Planning and Development.

CO₄: After studied unit-4, the student will be able to provide an introduction to the field of Industrial Organization and its related concepts.

CO₅: After studied unit-5, the student will be able to study the analytical Framework of Industrial Organization and its significant.

Matching Table (Put Yes / No in the appropriate box)

Unit	i. Remembering	ii. Understanding	iii. Applying	iv. Analyzing	v. Evaluating	vi. Creating
1	Yes	Yes	Yes	No	Yes	Yes
2	Yes	No	Yes	Yes	Yes	No
3	Yes	Yes	No	No	No	Yes
4	Yes	No	Yes	Yes	Yes	No
5	Yes	Yes	No	No	No	Yes

Unit-1: Industrialization and Economic Development

(Teaching Hours: 8)

Meaning – Characteristics – Classification of Industry – Industrialization and Economic Growth – Determinants of Industrial Growth – Developing Countries and Industrialization – Adverse Effects of Industrialization – Government Policy - Measures.

Unit-2: Industrial Location and Productivity**(Teaching Hours: 9)**

Determinants of Industrial Location – Theories of Industrial Location – Webbers – Sargent Florence – Balanced Regional Development of Industries – Need for Balanced Regional Development in India – Productivity and its Measurement – Productivity in India.

Unit-3: Foreign Direct Investment and Collaboration**(Teaching Hours: 9)**

Multinational Corporations (MNCs) – Recent Trends - Perspective – Foreign Investment by Indian Companies; MNCs in India – Importance of MNC's – Factors Responsible for their Growth – Globalization of Indian Business – Globalization Strategy.

Unit-4: Indian Industrial Policy, Planning and Development**(Teaching Hours: 10)**

Industrial Policies (1948-1991) – Industrial Licensing – Hazari Committee – Dutt Committee Report – New Economic Policy, LPG – Implementation of Industrial Policy Reforms – Exit Policy – Industrial Development during planning era – Industrial Proliferation and Environmental Preservation.

Unit-5: Industrial Finance**(Teaching Hours: 9)**

Objectives, Role, Types of Institutional Finance – IDBI, IFCI, ICICI, NIDC, SIDCS, UTI, LIC, Commercial bank and industrial finance – Definition of sick units – Causes and Government policy – Khadi and village industries (KVIC) – Industrial development after independence – Industrial legislation and labour welfare – Social security measures.

Internal Assessment Methods: refer instructions**Text book:**

- ❖ Rajana Seth (2018), "Industrial Economics," Anne Books Pvt. Ltd., Chennai.
- ❖ Sivaya.K.V. and Das V.B.M (2016), "Indian Industrial Economy," S.Chand and Company Ltd., New Delhi.
- ❖ Francis, Cherunilam (2011), "Industrial Economics - Indian perspective," (Third Edition), Himalaya Publishing House, Mumbai.
- ❖ Singh.A. and A.N. Sadhu (2013), "Industrial Economics," Himalaya Publishing House, Bombay.
- ❖ Barthwal, R.R (2012), "Industrial Economics," Wiley Eastern Ltd., New Delhi.
- ❖ Kuchhal S.C (2011), "Industrial Economy of India," 5th Edition, Chaitanya Publishing House, Allahabad.
- ❖ Divine P.J & R.M. Joneset AI (1976), "An Introduction to Industrial Economics," George Alen and Union Ltd., London.
- ❖ Ahluwalia I J and Little I M D (Eds.): India's Economic Reforms and Development- Oxford University Press, 2000.
- ❖ Ahluwalia I J: Industrial Growth in India- Oxford University Press, 1985.
- ❖ Barthwal R R: Industrial Economics- New Age International Pvt. Ltd., New Delhi, 1995.

Reference Book:

- ❖ Hay D A and Morns D J: Industrial Economics: Theory and Evidence- Oxford, 1979.
- ❖ Roger Clarke: Industrial Economics- Basil Blackwell, New York, 1985.
- ❖ Clarke, Roger. 1985. Industrial Economics. New York: Basil Blackwell.
- ❖ Smith, D.M. 1971. Industrial Location: An Economic and Geographic Analysis. New York:

- ❖ Ahluwalia, I. J. (1991), Productivity and Growth in Indian Manufacturing, Oxford University Press, New Delhi.
- ❖ Ferguson, Paul R. and Glenys J. Ferguson, (1994), Industrial Economics - Issues and Perspectives, Macmillan, London.
- ❖ Shepher, William G. (1985), The Economics of industrial Organisation, Prentice - Hall, Inc, Englewood Cliffs, N. J.
- ❖ Mathur, B. L. (1996), “Organisation Patterns for PEs”, in Organisational Development and Management in PEs, Ed Mathur B. L., Arihant Publishing House, Jaipur.
- ❖ Tirole, J. (1996), The Theory of Industrial Organization, Prentice - Hall.
- ❖ Barthwal, R. R. 2010. Industrial Economics: An Introductory Textbook. New Age International Publishers, New delhi: 01.

Course Material:

website links:

- ❖ www.economictimes.indiatimes.com/marketcon
- ❖ www.economicsdiscussion.net/monopolypower
- ❖ www.businessmanagementideas.com

e-Books :

- ❖ https://books.google.co.in/books?id=hacEc3-mITwC&sitesec=buy&source=gbs_vpt_read
- ❖ <https://books.google.com/books?id=hacEc3-mITwC&printsec=copyright>
- ❖ <https://www.amazon.in/Introduction-Industrial-Economics-Routledge-Editions-ebook/dp/B0791FG7CR>

e-journals :

- ❖ <https://onlinelibrary.wiley.com/journal/14676451>
- ❖ <https://www.jstor.org/journal/jinduecon>
- ❖ <https://www.springer.com/journal/40812>

Mapping with Programme Outcomes

COs	PO ₁	PO ₂	PO ₃	PO ₄	PO ₅	PO ₆	PO ₇	PO ₈	PO ₉	PO ₁₀
CO ₁	M	S	M	S	S	M	M	S	S	M
CO ₂	S	M	S	M	S	S	S	M	S	M
CO ₃	M	M	S	S	M	S	S	S	M	S
CO ₄	S	S	M	M	S	M	M	M	S	M
CO ₅	M	M	S	S	M	S	M	S	M	S

PO – Programme Outcome, CO – Course outcome

S – Strong, M – Medium, L – Low (may be avoided)

THIRUVALLUVAR UNIVERSITY, VELLORE – 632 115
M. A., Economics – 2022-2023 onwards

Semester: I **Paper type: Major Elective Paper** **Paper code: DDEEC 16A**

Name of the Paper: Contemporary Issues in Historical Perspective **Credit: 5**

Total Hours per Week: 5 **Lecture Hours: 45** **Tutorial Hours: 1**

.....
Course Objectives

- ❖ This course aims to connect contemporary issues in economics with their historical counterparts to better understand the evolution of ideas and the empirical patterns that accompany them.
- ❖ To conceptualise, contextualise and historicise some aspect of the recent past or to provide a historical understanding of current trends or developments.
- ❖ To understand present-day issues by asking deeper questions as to why things are the way they are.
- ❖ To look at the values of the various theorists as well as their perception of human nature for these tend to underpin their welfare views.
- ❖ To provide background for current social and political issues or influencing the outcome of policy debates.

Course Out Comes (five outcomes from each units should be mentioned)

CO₁: After studied unit-1, the student will be able to gain knowledge on changing economic environment in India.

CO₂: After studied unit-2, the student will be able to understand the historical argument relating to contemporary issues in India.

CO₃: After studied unit-3, the student will be able to study the types of International agreements that have emerged to avoid environmental degradation.

CO₄: After studied unit-4, the student will be able to learn models of statistical and preference based discrimination.

CO₅: After studied unit-5, the student will be able to explain the social policies to address group inequalities.

Matching Table (Put Yes / No in the appropriate box)

Unit	i. Remembering	ii. Understanding	iii. Applying	iv. Analyzing	v. Evaluating	vi. Creating
1	Yes	Yes	Yes	No	Yes	Yes
2	Yes	No	Yes	Yes	Yes	No
3	Yes	Yes	No	No	No	Yes
4	Yes	No	Yes	Yes	Yes	No
5	Yes	Yes	No	No	No	Yes

Unit-1: Changing Environment

(Teaching Hours: 8)

Historical facts about our changing environment: Trends in population, GDP, energy use and pollution - Milestones in environmental regulation since the early twentieth century.

Unit-2: Commons Problem and Collective Action

(Teaching Hours: 9)

The commons problem - Community institutions and collective action.

Unit-3: Environmental Regulation**(Teaching Hours: 9)**

Environmental regulation: Types of international agreements that have emerged to avoid environmental Degradation. - Game-theoretic analysis of the stability agreements. Price versus quantity regulation.

Unit-4: Discrimination and Segregation**(Teaching Hours: 10)**

Discrimination: Evidence on the practice of discrimination, Models of statistical and preference-based discrimination - Segregation.

Unit-5: Social Policy and Affirmative Action**(Teaching Hours: 9)**

Social policy to address group inequalities: Affirmative action in historical and cross-national perspective.

Internal Assessment Methods: refer instructions**Text book:**

- ❖ Adida, Claire; Laitin, David D. and Valfort, Marie-Anne (2010): "Identifying barriers to Muslim integration in France." PNAS 107(52), 22384-22390.
- ❖ Dirks, Nicholas (2001): *Castes of Mind: Colonialism and the making of modern India*, Princeton University Press.
- ❖ Barrett, Scott (2006): *Environment and statecraft: the strategy of environmental treaty making*. Oxford University Press
- ❖ Guha, Ramachandra (2001): *The unquiet woods: ecological change and peasant resistance in the Himalaya*.
- ❖ Henderson, Vernon J. (1996) "Effects of air quality regulation." *The American Economic Review*, pp. 789-813.
- ❖ McNeil, J.R. (2000): *Something new under the sun: An environmental history of the twentieth-century world*.
- ❖ W.W. Norton. Ostrom, Elinor (2010): *Governing the commons: The evolution of institutions for collective action*. Cambridge University Press.
- ❖ Loury, Glenn C. (2002): *The anatomy of racial inequality*. Harvard University Press.
- ❖ Galanter, Mark (2004): "Competing equalities: law and the backward classes in India," University of California Press
- ❖ Weisskopf, Thomas E. (2004): *Affirmative action in the United States and India: A comparative Perspective*. Rutledge Publications, New York.

Reference Book:

- ❖ *Out of the Third Reich: Refugee Historians in Post-War Britain*, ed. Peter Alter (London, 1998).
- ❖ Michael Bentley, *Modernizing England's Past: English Historiography in the Age of Modernism 1870–1970* (Cambridge, 2005).
- ❖ John Burrow, *A History of Histories: Epics, Chronicles, Romances and Inquiries from Herodotus and Thucydides to the Twentieth Century* (London, 2007).
- ❖ Noel Cowen, *Global History: a Short Overview* (Cambridge, 2001).
- ❖ *History and Theory: Contemporary Readings*, ed. Brian Fay, Philip Pomper and Richard E. Vann (Oxford, 1998).
- ❖ Miles Fairburn, *Social History: Problems, Strategies and Methods* (Basingstoke, 1999).
- ❖ *The Study of Economic History: Collected Inaugural Lectures 1893–1970*, ed. N. B. Harte (London, 1971)

- ❖ Globalization in World History, ed. A. G. Hopkins (London, 2002).
- ❖ Historical Controversies and Historians, ed. William Lamont (London, 1998).
- ❖ S. H. Rigby, Marxism and History: a Critical Introduction (Manchester, 1998).

Course Material:

website links:

- ❖ https://link.springer.com/chapter/10.1007/978-1-349-10259-4_9
- ❖ <https://onderwijsaanbod.kuleuven.be/syllabi/e/F0LB0BE.htm>
- ❖ <https://www.chstm.org/video/61>

e-Books :

- ❖ <https://link.springer.com/book/10.1007/978-1-349-10259-4>
- ❖ <https://books.google.co.in/books?id=3VoDwAAQBAJ>
- ❖ https://books.google.com/books/about/Major_Thinkers_in_Welfare.html?id=mRVbwgEACAAJ

e-journals :

- ❖ <https://www.journals.uchicago.edu/>
- ❖ <https://ejournals.bc.edu/index.php/ihe/article/view/5678>
- ❖ <https://journals.sagepub.com/doi/full/10.1177/14749041211004659>

Mapping with Programme Outcomes

COs	PO ₁	PO ₂	PO ₃	PO ₄	PO ₅	PO ₆	PO ₇	PO ₈	PO ₉	PO ₁₀
CO ₁	M	S	M	S	S	M	M	S	S	M
CO ₂	S	M	S	M	S	S	S	M	S	M
CO ₃	M	M	S	S	M	S	S	S	M	S
CO ₄	S	S	M	M	S	M	M	M	S	M
CO ₅	M	M	S	S	M	S	M	S	M	S

PO – Programme Outcome, CO – Course outcome

S – Strong, M – Medium, L – Low (may be avoided)

THIRUVALLUVAR UNIVERSITY, VELLORE – 632 115
M. A., Economics – 2022-2023 onwards

Semester: I

Paper type: Elective

Paper code: DDEEC 16B

Name of the Paper: Human Resource Management

Credit: 5

Total Hours per Week: 5

Lecture Hours: 45

Tutorial Hours: 1

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Course Objectives

- ❖ To define an organizational structure that drives productivity.
- ❖ To impart the knowledge and understanding the role of Human Resource Management, the selection process and various test of interviews.
- ❖ To learn more knowledge about the various Bargaining system and Human Resource Management.
- ❖ To develop effective coordination and communication within the organization.
- ❖ To embrace wider societal and ethical developments.

Course Out Comes (five outcomes from each units should be mentioned)

CO₁: After studied unit-1, the student will be able to understand the role of Human Resource Management and its related concepts.

CO₂: After studied unit-2, the student will be able to highlights the selection process and various tests of interviews and its associated concepts.

CO₃: After studied unit-3, the student will be able to contribute to the Development, Evaluation, job analysis and Retention plans and Processes.

CO₄: After studied unit-4, the student will be able to administer the design and evaluation of the performance management program and its concepts.

CO₅: After studied unit-5, the student will be able to develop, Implement and Evaluate Employee Orientation, Training and Development Programs.

Matching Table (Put Yes / No in the appropriate box)

Unit	i. Remembering	ii. Understanding	iii. Applying	iv. Analyzing	v. Evaluating	vi. Creating
1	Yes	Yes	Yes	No	Yes	Yes
2	Yes	No	Yes	Yes	Yes	No
3	Yes	Yes	No	No	No	Yes
4	Yes	No	Yes	Yes	Yes	No
5	Yes	Yes	No	No	No	Yes

Unit-1: Human Resource Management

(Teaching Hours: 8)

Definition – Objectives – Functions – Scope – Importance – HRM in India – Evolution of HRM – Computer Applications in HRM – Human Resource Planning – Job analysis, Job description and job specification.

Unit-2: Recruitment and Selection**(Teaching Hours: 9)**

Sources of recruitment – Selection process – Test types – Interview types – Career planning Vs Manpower planning and Succession planning – Process – Career development – Placement and induction.

Unit-3: Human Resource and Training**(Teaching Hours: 9)**

Methods of Training – Executive development – Performance appraisal and methods Transfers – Promotion – Wage and Salary administration – Wage boards and pay commission – Wage incentive – Employees welfare – Safety and health measures – Grievance procedures – Redressal of Grievances.

Unit-4: Industrial Relations**(Teaching Hours: 10)**

Meaning and characteristics of industrial relations – Nature of trade unions – Problems of trade union – Measures to strengthen trade union movement in India – Causes for industrial disputes – Settlement of industrial disputes.

Unit-5: Human Resources and Collective Bargaining**(Teaching Hours: 9)**

Collective bargaining – Features – Pre-requisite of collective bargaining – Agreement at different levels - Workers participation in management – Objectives for successful participation.

Internal Assessment Methods: refer instructions**Text book:**

- ❖ P.Subba Rao (2013), “Personnel and Human Resource Management”, Himalaya Publishing House, New Delhi.
- ❖ K.Aswanthappa (2015), “Human Resource and Personnel Management”, Tata McGraw Hills publishing company, New Delhi.
- ❖ Pattanayak, (2010), “Human Resource Management,” Himalaya Publishing House, New Delhi.
- ❖ C.B. Gupta (2012), “Human Resource Management”, Sultan Chand, New Delhi.
- ❖ C.B. Memoria, Satish Memoria and V.Gankar (2009), “Dynamics of Industrial Relations”, Himalaya Publishing House, New Delhi.
- ❖ D. A. Decenzo, Stephen P Robbins, Susan L. Verhulst (2019), “Human Resource Management”, John Wiley Publications, London.
- ❖ Armstrong, M. (2014) “Armstrong’s handbook of human resource management practice”, Thirteenth edition. London: Kogan.
- ❖ Brewster, C. (2011) “International human resource management”, 3rd ed. London: Chartered Institute of Personnel and Development.
- ❖ Farnham, D. (2015) “Human resource management in context: strategies, insights and solutions”, 4th edition. London: Chartered Institute of Personnel and Development.
- ❖ Hollenbeck, J. R., Wright, P. M., Gerhart, B., Noe, R. A. (2021) “Fundamentals of Human Resource Management”, United Kingdom: McGraw-Hill Education.

Reference Book:

- ❖ Kew, J. and Stredwick, J. (2013) Human resource management in a business context. 2nd edition. London: Chartered Institute of Personnel and Development.
- ❖ Rees, G. and Smith, P. (eds.) (2014) Strategic human resource management: an international perspective. London: SAGE.

- ❖ Storey, J. (1992) Developments in the management of human resources: an analytical review. Vol. Warwick studies in industrial relations. Oxford: Blackwell Business.
- ❖ Werner, S., Schuler, R.S. and Jackson, S.E. (2012) Human resource management. 11th ed. ; International edition. [Mason, Ohio?]: South-Western Cengage Learning.
- ❖ Crawshaw, J.R., Budhwar, P.S. and Davis, A. (eds.) (2014) Human resource management: strategic and international perspectives. London: SAGE.
- ❖ Jayant Mukherjee: Designing Human Resource Management Systems - A Leader's Guide, 2012.
- ❖ Mathis, Robert L., and John H. Jackson. *Human Resource Management*. 14th ed. Stamford, CT: Cengage Learning, 2014.
- ❖ Dessler, Gary. Human Resource Management. 14th ed. Upper Saddle River, NJ: Prentice Hall, 2014.
- ❖ Noe, Raymond A., John R. Hollenbeck, Barry Gerhart, and Patrick M. Wright. Human Resource Management: Gaining a Competitive Advantage. 8th ed. New York: McGraw-Hill/Irwin, 2013.
- ❖ Ashish Malik (2022) “Strategic Human Resource Management and Employment Relations - An International Perspective”, Springer International Publishing, London.

**Course Material:
website links:**

- ❖ <http://hr.sdsu.edu/hris/>
- ❖ <http://smallbusiness.chron.com/human-resource-information-systems/>
- ❖ <http://www.epicor.com/solutions/hris.aspx>

e-Books :

- ❖ https://books.google.co.in/books?id=ZpNc_GZliikC&printsec=frontcover&dq=e+books+references+for+human+resource+management&hl=en&newbks=1&newbks_redir=1&sa=X&ved=2ahUKEwjx4Ln0tub4AhUiSGwGHYbgBRMQ6AF6BAgCEAI
- ❖ https://books.google.co.in/books?id=nx71etJQYEC&printsec=frontcover&dq=e+books+references+for+human+resource+management&hl=en&newbks=1&newbks_redir=1&sa=X&ved=2ahUKEwjx4Ln0tub4AhUiSGwGHYbgBRMQ6AF6BAgEEAI
- ❖ https://books.google.co.in/books?id=c5p7mQUcKcEC&printsec=frontcover&dq=e+books+references+for+human+resource+management&hl=en&newbks=1&newbks_redir=1&sa=X&ved=2ahUKEwjx4Ln0tub4AhUiSGwGHYbgBRMQ6AF6BAgIEAI

e-journals :

- ❖ <https://www.tandfonline.com/doi/full/10.1080/09585192.2014.980127>
- ❖ <https://www.tandfonline.com/doi/abs/10.1080/09585192.2015.1091980>
- ❖ https://www.academia.edu/download/33556939/e-recruitment_1.pdf

Mapping with Programme Outcomes

COs	PO ₁	PO ₂	PO ₃	PO ₄	PO ₅	PO ₆	PO ₇	PO ₈	PO ₉	PO ₁₀
CO ₁	M	S	M	S	S	M	M	S	S	M
CO ₂	S	M	S	M	S	S	S	M	S	M
CO ₃	M	M	S	S	M	S	S	S	M	S
CO ₄	S	S	M	M	S	M	M	M	S	M
CO ₅	M	M	S	S	M	S	M	S	M	S

PO – Programme Outcome, CO – Course outcome
S – Strong , M – Medium, L – Low (may be avoided)

Paper code: DDEEC 16C

Credit: 5

Tutorial Hours: 1

- ❖ To study Econometrics and its measurement of economic relationships.
- ❖ To integrate economics, mathematical economics and statistics with an objective to provide numerical values to the parameters of economic relationships.
- ❖ To convert qualitative statements into quantitative statements.
- ❖ To covers basic concepts in probability and mathematical statistics that are needed for the study of econometrics.
- ❖ To study basic econometric techniques commonly used in the empirical analysis of economic relationships and other social sciences.

CO₅: After studied unit-5, the student will be able to study the Linear Regression Analysis and its applications.

Unit	i. Remembering	ii. Understanding	iii. Applying	iv. Analyzing	v. Evaluating	vi. Creating
1	Yes	Yes	Yes	No	Yes	Yes
2	Yes	No	Yes	Yes	Yes	No
3	Yes	Yes	No	No	No	Yes
4	Yes	No	Yes	Yes	Yes	No
5	Yes	Yes	No	No	No	Yes

Probability, Random Variables, Distributions: Sample spaces, Counting methods, Conditional Probability - Bayes' Theorem - Discrete, continuous and mixed random variables - marginal and conditional distributions - multivariate distributions - distributions of functions of random variables.

Meaning of Estimation: Definition - Properties of estimators - sufficient statistics - maximum likelihood estimation.

Unit-3: Sampling Distributions**(Teaching Hours: 9)**

Sampling Distributions, Asymptotic Distribution Theory: Large Sample Results: Laws of large numbers and Central Limit Theorems.

Unit-4: Hypothesis Testing**(Teaching Hours: 10)**

Hypothesis Testing: Definition of a statistical test. Size, significance and power. Uniformly most powerful tests, T and F tests for moments of a distribution.

Unit-5: Linear Regression**(Teaching Hours: 9)**

Meaning of Linear Regression: Simple Linear Regression - Ordinary Least Squares (OLS) Estimation; Desirable properties of least squares estimators; Goodness-of-Fit; Normality assumption for the errors; Maximum likelihood estimation.

Internal Assessment Methods: refer instructions

Text book:

- ❖ De Groot, Morris H. and Schervish, Mark. J. (2012): Probability and Statistics, 4th edition, Addison-Wesley.
- ❖ Gujarati, D.N. and Porter, D.C. (2008): Basic Econometrics, McGraw-Hill, New York.
- ❖ Hogg, Robert V.; Makean, J and Craig, Allen T. (2014): Introduction to Mathematical Statistics, Prentice Hall, 7th edition.
- ❖ Hwang, Jessica and Blitzstein, Joseph (2014): Introduction to Probability, CRC Press.
- ❖ Stock, James H. and Watson, Mark W. (2011): Introduction to Econometrics, Pearson Education Inc.
- ❖ Wooldridge, Jeffrey (2012): Introductory Econometrics: A Modern Approach, South-Western.
- ❖ Joshua D. Angrist, Jörn-Steffen Pischke (2009) “Mostly Harmless Econometrics: An Empiricist’s Companion”, Princeton University Press, London.
- ❖ Studenmund A. (2016) “Using Econometrics: A Practical Guide”, Pearson, New York.
- ❖ Jeffrey Wooldridge (2020) “Introductory Econometrics: A Modern Approach”, Cengage India publisher, New Delhi.

Reference Book:

- ❖ Wooldridge, Jeffrey M., 1960-. Introductory Econometrics : a Modern Approach. Mason, Ohio :South-Western Cengage Learning, 2012.
- ❖ A. Colin Cameron, Pravin K. Trivedi (2009) “Microeconometrics Using Stata”, Stata Press, London.
- ❖ William Greene (2017) “Econometric Analysis”, Pearson, New York.
- ❖ Peter Kennedy (2008) “A Guide to Econometrics”, Wiley-Blackwell, London.
- ❖ Damodar Gujarati, Dawn Porter (2008) “Basic Econometrics”, McGraw-Hill Education, New Delhi.
- ❖ Roberto Pedace (2013) “Econometrics for Dummies”, For Dummies publishers, New York.
- ❖ James Stock, Mark Watson (2018) “Introduction to Econometrics, Pearson Series in Economics, New York.
- ❖ Jeffrey Wooldridge (2019) “Introductory Econometrics: A Modern Approach”, South-Western College Publishing, New Delhi.
- ❖ Jeffrey Wooldridge (2022) “Introductory Econometrics: A Modern Approach”, South-Western College Publishing, New York.
- ❖ Sankar Kumar Bhaumik (2015) “Principles of Econometrics: A Modern Approach Using EViews”, Oxford University Press, London.

**Course Material:
website links:**

- ❖ <https://books.google.co.uk/books?id=yov6AQAAQBAJ&lpg=PP1&dq=wooldridge%20panel%20econometrics&pg=PR3#v=onepage&q=wooldridge%20panel%20econometrics&f=false>
- ❖ <https://eml.berkeley.edu/books/choice2.html>
- ❖ <https://books.google.co.uk/books?id=Zf0gCwx9ocC&lpg=PP1&dq=cameron%20and%20trivedi&pg=PP1#v=onepage&q=cameron%20and%20trivedi&f=false>

e-Books :

- ❖ <https://www.amazon.com/Introductory-Econometrics-Modern-Approach-Hardback/dp/B01M7QVZ6Z?tag=uuid10-20>
- ❖ <https://www.amazon.com/dp/1337558869?tag=uuid10-20>
- ❖ <https://www.amazon.com/dp/110843682X?tag=uuid10-20>

e-journals :

- ❖ <https://www.journals.elsevier.com/journal-of-econometrics>
- ❖ <https://onlinelibrary.wiley.com/journal/10991255>
- ❖ <https://onlinelibrary.wiley.com/journal/14680262>

Mapping with Programme Outcomes

COs	PO ₁	PO ₂	PO ₃	PO ₄	PO ₅	PO ₆	PO ₇	PO ₈	PO ₉	PO ₁₀
CO ₁	M	S	M	S	S	M	M	S	S	M
CO ₂	S	M	S	M	S	S	S	M	S	M
CO ₃	M	M	S	S	M	S	S	S	M	S
CO ₄	S	S	M	M	S	M	M	M	S	M
CO ₅	M	M	S	S	M	S	M	S	M	S

PO – Programme Outcome, CO – Course outcome
S – Strong, M – Medium, L – Low (may be avoided)

THIRUVALLUVAR UNIVERSITY, VELLORE – 632 115
M. A., Economics – 2022-2023 onwards

Semester: I **Paper type: Value Added Course** **Paper code: DDEC 17**

Name of the Paper: Foreign Trade Documentation and Procedures **Credit: 5**

Total Hours per Week: 5 **Lecture Hours: 45** **Tutorial Hours: 1**

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Course Objectives

- ❖ The subject aims at imparting knowledge of trade procedures and documentation formalities with a view to enable the participants to develop a systematic approach in handling trade transaction and incidental paper work relating to export and import documentation.
- ❖ Understand the implications of foreign trade policies.
- ❖ To familiarize students with the process of international and domestic trade procedures.
- ❖ To form a base of policy framework in International Trading with special emphasis on India.
- ❖ To apprise them of the documentation procedures and its sanctity in Intl' Business.

Course Out Comes (five outcomes from each units should be mentioned)

- CO₁:** After studied unit-1, the student will be able to understand the details of export documentation procedures and its related concepts.
- CO₂:** After studied unit-2, the student will be able to explain the export procedures and duty drawbacks and its associated concepts.
- CO₃:** After studied unit-3, the student will be able to elucidate the import procedures and its associated concepts .
- CO₄:** After studied unit-4, the student will be able to gain knowledge on export incentives and its interrelated concepts.
- CO₅:** After studied unit-5, the student will be able to explain the trading houses and it's related policies and procedures.

Matching Table (Put Yes / No in the appropriate box)

Unit	i. Remembering	ii. Understanding	iii. Applying	iv. Analyzing	v. Evaluating	vi. Creating
1	Yes	Yes	Yes	No	Yes	Yes
2	Yes	No	Yes	Yes	Yes	No
3	Yes	Yes	No	No	No	Yes
4	Yes	No	Yes	Yes	Yes	No
5	Yes	Yes	No	No	No	Yes

Unit-1: Export Documentation

(Teaching Hours: 8)

Export documentation; Foreign exchange regulations; ISO 9000 series and other internationally accepted quality certificates; Quality control and pre-shipment inspection; Export trade control; Marine insurance; Commercial practices.

Unit-2: Export Procedures**(Teaching Hours: 9)**

General excise clearances; Role of clearing and forwarding agents; shipment of export cargo; Export credit; Export credit guarantee and policies; Forward exchange cover; Finance for export on deferred payment terms; Duty drawbacks.

Unit-3: Import Procedures**(Teaching Hours: 9)**

Import licensing policy; Replenishment licensing; Import-export passbook; Export houses and trading houses.

Unit-4: Export Incentives**(Teaching Hours: 10)**

Overview of export incentives-EPCG, duty exemption schemes, tax incentives; Procedures and documentation.

Unit-5: Trading Houses**(Teaching Hours: 9)**

Export and trading houses schemes–criteria, procedures and documentation; Policy and procedures for EOU/FTZ/EPZ/SEZ units.

Internal Assessment Methods: refer instructions**Text book:**

- ❖ Parul Gupta (2017), “Export Import Management”, Mc Graw Hill Publishing House, New Delhi.
- ❖ Shiva Chaudhari (2017), “How to Start Export Import Business”, S.Chand & Sons Publications, New Delhi.
- ❖ Justin Paul, Rajiv Aserkar(2013), “Export Import Management”, Oxford University Press, New Delhi.
- ❖ C. Rama Gopal (2019), “Export Import Procedures, Documentation and Logistics”, New Age International Publishers, New Delhi.
- ❖ Sudhir Kochhar, Gullybaba (2018), “Export Procedures and Documentations”, GPH Publishers, New Delhi.
- ❖ Sudhir Kochhar(2012), “Export Import Procedures and Documentations”, GPH Publishers, New Delhi.
- ❖ Gagandeep Khillan (2012), “India’s Foreign Trade”, GPH Publishers, New Delhi.
- ❖ Veera Reddy P and Mamatha P (2018) “Manual On Export Documentation, Commercial Law Publishers India Pvt Ltd., India.
- ❖ Ramagopal C. (2015) “Export Import Procedures”, New Age International Pvt Ltd Publishers, New Delhi.
- ❖ Thomas E. Johnson (2010) “Export/Import Procedures and Documentation”, Amacom Publisher, London.

Reference Book:

- ❖ Government of India, “ Ministry of Commerce and Industry “, Hand Book of Export – Import Procedures, Vol. 1, from 2002-2018.
- ❖ Guha, Ashok, “Economics Liberalization, Indian Structure and Growth in India”, Oxford University Press, New Delhi,2016.
- ❖ Jain, Nabhi Kumar, “How to Export “, Nabhi Publication,New Delhi, 2017.
- ❖ Government of India, Economic Survey of different Years, 2000-2018,New Delhi, Ministry of Finance.
- ❖ Government of India, Various Reports of the Ministry of Foreign Trade and Commerce, New Delhi.
- ❖ Aswathappa. K, (2008). International Business. Tata McGraw Hill Publishing Company Limited.

- ❖ Masood Samii, Gerald Karush, Masood Samii, (2004). International Business and Information Technology.
- ❖ Anh Thu Trần (2016) “Export-Import Theory, Practices, and Procedures”, the Haworth press, published by Routledge, New York.
- ❖ Kapoor D.C. (2002) “Export Management”, Vikas Publishing, New Delhi.
- ❖ Rika selpiana (2009) “Export-Import Theory, Practices, and Procedures”, the Haworth press, published by Routledge, New York.

Course Material:

website links:

- ❖ <http://www.articlesbase.com/international-business-articles/informationtechnology-and-international-business-1039954.html>
- ❖ http://www.ehow.com/about_6629439_information-technology-internationalbusiness.html
- ❖ <http://www.supplychainstandard.com/assets/getAsset.aspx?liAssetID=779>

e-Books :

- ❖ <https://www.pdfdrive.com/export-import-procedures-documentation-and-logistics-e184293173.html>
- ❖ <https://www.pdfdrive.com/export-import-procedures-and-documentation-fourth-edition-e188019763.html>
- ❖ <https://www.mlsu.ac.in/econtents/1198ebook%20on%20export%20import%20procedure.pdf>

e-journals :

- ❖ https://www.academia.edu/36255322/International_Trade_Procedure_and_Documentation_DMGT546
- ❖ <https://ustr.gov/sites/default/files/files/reports/2021/2021NTE.pdf>
- ❖ <https://www.trade.gov/common-export-documents>

Mapping with Programme Outcomes

COs	PO ₁	PO ₂	PO ₃	PO ₄	PO ₅	PO ₆	PO ₇	PO ₈	PO ₉	PO ₁₀
CO ₁	M	S	M	S	S	M	M	S	S	M
CO ₂	S	M	S	M	S	S	S	M	S	M
CO ₃	M	M	S	S	M	S	S	S	M	S
CO ₄	S	S	M	M	S	M	M	M	S	M
CO ₅	M	M	S	S	M	S	M	S	M	S

PO – Programme Outcome, CO – Course outcome
 S – Strong , M – Medium, L – Low (may be avoided)

THIRUVALLUVAR UNIVERSITY, VELLORE – 632 115
M. A., Economics – 2022-2023 onwards

Semester: II **Paper type: Core** **Paper code: DDEC 21**

Name of the Paper: Micro Economics Analysis– II **Credit: 5**

Total Hours per Week: 5 **Lecture Hours: 45** **Tutorial Hours: 1**

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Course Objectives

- ❖ Micro Economic theory forms the basic theoretical foundation of the core subject.
- ❖ The concepts, theories and diagrammatic representation are the most important tools that aid the students to understand the subject.
- ❖ To analyse how individual decision-makers, both consumers and producers, behave in a variety of economic environments.
- ❖ To understand the sustainable economic growth, Price stability, Full employment, Balance of payments equilibrium.
- ❖ To monitor price drifts that reflects demand and supply.

Course Out Comes (five outcomes from each units should be mentioned)

CO₁: After studied unit-1, the student will be able to provide the basic theoretical foundation of the Micro Economic Analysis.

CO₂: After studied unit-2, the student will be able to gain knowledge with the various aspects of managerial enterprises and its concepts.

CO₃: After studied unit-3, the student will be able to understand the Theories of Distribution in Micro Economic perspectives.

CO₄: After studied unit-4, the student will be able to provides a nutshell of Welfare Economics and its related concepts

CO₅: After studied unit-5, the student will be able to differentiate between general and partial equilibrium with its components.

Matching Table (Put Yes / No in the appropriate box)

Unit	i. Remembering	ii. Understanding	iii. Applying	iv. Analyzing	v. Evaluating	vi. Creating
1	Yes	Yes	Yes	No	Yes	Yes
2	Yes	No	Yes	Yes	Yes	No
3	Yes	Yes	No	No	No	Yes
4	Yes	No	Yes	Yes	Yes	No
5	Yes	Yes	No	No	No	Yes

Unit-1: Alternative Theories of the Firm

(Teaching Hours: 8)

Limit Pricing theory- Industrial Equilibrium ; Baumol's sales Revenue Maximization model, Williamson's Model of Marginal Utility function, Marris Model of Managerial Enterprise.

Unit-2: Theories of Distribution

(Teaching Hours: 9)

Distribution Neo-classical approach – Marginal productivity theory; Product exhaustion theorem; Theory of distribution in imperfect product and factor markets; Determination of rent,

wages, interest and profit; Macro theories of distribution – Ricardian, Marxian, Kalecki and Kaldor's Models.

Unit-3: Welfare Economics

(Teaching Hours: 9)

Welfare Economics Pigovian welfare economics; Pareto optimal conditions; Value judgment; Social welfare function; Inability to obtain optimum welfare – Imperfections, market failure, decreasing costs, uncertainty and non-existent and incomplete markets – Arrow's impossibility theorem; Rawl's theory of justice, equity-efficiency trade off.

Unit-4: General and Partial Equilibrium

(Teaching Hours: 10)

Partial and general equilibrium; Walrasian excess demand and input-output approaches to general equilibrium – One sector model, homogeneous functions, income distribution; Production without consumption – Two sector model, relationship between relative commodity and factor prices - Stolper-Samuelson theorem - Rybczynski theorem.

Unit-5: Economics of Risk and Uncertainty

(Teaching Hours: 9)

Economics of Uncertainty - Individual behavior towards risk, expected utility and certainty equivalence approaches, risk and risk aversion – Sensitivity analysis, gambling and insurance. Competitive firms under uncertainty - The economics of information.

Internal Assessment Methods: refer instructions

Text book:

- ❖ Prakash Vohra (2019), "Micro Economics", Arjun Publishing House, New Delhi.
- ❖ Robert Pindyck, Daniel Rubinfeld (2019), "Micro Economics", Pearson Publications, London.
- ❖ Koutsoyiannis, A. (2000), "Modern Microeconomics", (2nd Edition), Macmillan Press, London.
- ❖ Layard, P.R.G. and Walters, A.W. (1978), "Microeconomic Theory", McGrawHill, London.
- ❖ Stigler, G.(1996), "Theory of Price", (4th edition), PHI, New Delhi.
- ❖ Sen,A. (1999), "Microeconomics: Theory and Application", Oxford University Press, New Delhi.
- ❖ Varian, H.R (2000), "Microeconomic Analysis", W.W. Norton, New York.
- ❖ Baumol, W.J., (1995), "Economic Theory and operations Analysis", Prentice Hall, New York.
- ❖ Nicholson Walter, (1978), "Microeconomic Theory", The Drydon Press, London.
- ❖ Hal R. Varian (2019) "Microeconomic Analysis", Viva Books publishers, Delhi.

Reference Book:

- ❖ Ahuja H. L (2016) "Principles of Microeconomics", S Chand Publishing, New Delhi.
- ❖ William J. Baumol (2012) "Microeconomics: Principles and Policy", South Western, London.
- ❖ Avinash Dixit (2014) "Microeconomics: A Very Short Introduction" Oxford University Press, UK.
- ❖ Robert Pindyck (2018) "Microeconomics", MIT, Pearson, University of California, Berkeley.
- ❖ Daniel Rubinfeld Robert Pindyck (2015) "Microeconomics", Pearson, USA.
- ❖ Robert Pindyck, Daniel Rubinfeld (2017) "Microeconomics", MIT, Pearson, University of California, Berkeley.
- ❖ Koutsoyiannis A. (1979) "Modern Microeconomics" Palgrave Macmillan, London.
- ❖ Koutsoyiannis A. (2003) "Modern Microeconomics", Palgrave Macmillan, London.
- ❖ Geoffrey Jehle, Philip Reny (2010) "Advanced Microeconomic Theory", Pearson, University of California, Berkeley.
- ❖ Geoffrey A. Jehle, Philip J. Reny, (2011) "Advanced Microeconomic Theory", Pearson, Chicago.

Course Material:**website links:**

- ❖ <https://www.pdfdrive.com/varian-microeconomic-analysis-3rd-ed-milesightcom-e7637270.html>
- ❖ <https://www.pdfdrive.com/intermediate-microeconomics-with-calculus-a-modern-approach-e177451317.html>
- ❖ <https://www.pdfdrive.com/advanced-microeconomic-theory-e31327813.html>

e-Books :

- ❖ <https://www.pdfdrive.com/microeconomics-made-simple-basic-microeconomic-principles-explained-in-100-pages-or-less-e158771936.html>
- ❖ <https://www.pdfdrive.com/schaums-outline-of-microeconomics-4th-edition-schaums-outline-series-e168874217.html>
- ❖ <https://www.pdfdrive.com/intermediate-microeconomics-9th-editionpdf-e37567044.html>

e-journals :

- ❖ <https://journals.sagepub.com/home/mic>
- ❖ <https://www.aeaweb.org/journals/mic>
- ❖ <https://www.emerald.com/insight/publication/issn/0278-0984>

Mapping with Programme Outcomes

COs	PO ₁	PO ₂	PO ₃	PO ₄	PO ₅	PO ₆	PO ₇	PO ₈	PO ₉	PO ₁₀
CO ₁	M	S	M	S	S	M	M	S	S	M
CO ₂	S	M	S	M	S	S	S	M	S	M
CO ₃	M	M	S	S	M	S	S	S	M	S
CO ₄	S	S	M	M	S	M	M	M	S	M
CO ₅	M	M	S	S	M	S	M	S	M	S

PO – Programme Outcome, CO – Course outcome
 S – Strong, M – Medium, L – Low (may be avoided)

THIRUVALLUVAR UNIVERSITY, VELLORE – 632 115
M. A., Economics – 2022-2023 onwards

Semester: II **Paper type: Core** **Paper code: DDEC 22**

Name of the Paper: Macro Economics Analysis– II **Credit: 5**

Total Hours per Week: 5 **Lecture Hours: 45** **Tutorial Hours: 1**

.....
Course Objectives

- ❖ To study the functional relationship between the Aggregate Economic Variables and it is essential for the proper comprehension of the different policies and issues at aggregate level.
- ❖ It is more scientific and blends itself with same empirical economic knowledge.
- ❖ To maximize the standard of living and achieve stable economic growth.
- ❖ To minimizing unemployment, increasing productivity, controlling inflation, and more.
- ❖ To understand about full employment, unemployment, market demands, structural and frictional problems.

Course Out Comes (five outcomes from each units should be mentioned)

- CO₁:** After studied unit-1, the student will be able to found the functional relationship between the aggregate economic variables.
- CO₂:** After studied unit-2, the student will be able to gain knowledge on proper comprehension of the different policies and issues at aggregate level.
- CO₃:** After studied unit-3, the student will be able to analyze scientific and blends itself with some empirical economic knowledge and skills.
- CO₄:** After studied unit-4, the student will be able provides knowledge and differentiate between Savings and Investment Equality.
- CO₅:** After studied unit-5, the student will be able to Gives solution to solve Modern Macro Economic Policies and issues in India.

Matching Table (Put Yes / No in the appropriate box)

Unit	i. Remembering	ii. Understanding	iii. Applying	iv. Analyzing	v. Evaluating	vi. Creating
1	Yes	Yes	Yes	No	Yes	Yes
2	Yes	No	Yes	Yes	Yes	No
3	Yes	Yes	No	No	No	Yes
4	Yes	No	Yes	Yes	Yes	No
5	Yes	Yes	No	No	No	Yes

Unit-1: Demand and Supply of Money

(Teaching Hours: 8)

Money –Demand and Supply- Money multiplier – Model of money supply determination – Demand Approaches of Money - Classical – Keynesian – Post Keynesian development – Patinkin's integration of monetary theory with value theory – Friedman, Boumal and Tobin – High powered money multiplier – Liquidity approach.

Unit-2: Inflation and Deflation**(Teaching Hours: 9)**

Inflation: Meaning, The Inflationary Gap, Keynes' Theory of Demand-Pull Inflation, Bent Hansen's Excess Demand Model, Cost-Push Inflation and Demand-Pull Inflation – Structural Inflation, Markup Inflation, Open and Suppressed Inflation, Friedman's View: The Long-run Phillips Curve – Tobin's View – Solow's View – Stagflation – Measures to control inflation – Effects of inflation – Inflation as a Tax – Deflation – Impact of Deflation on Economy.

Unit-3: Savings and Investment Equality**(Teaching Hours: 9)**

Meaning of Saving Function- Determinations of Savings- The Paradox of Thrift – The Classical View – The Keynesian View – Other Views.

Unit-4: IS and LM Functions**(Teaching Hours: 10)**

IS and LM functions – General equilibrium of product and money market – Changes in general equilibrium – IS-LM model with labour market and flexible prices – IS-LM model with flexible wages and prices – The New-classical analysis.

Unit-5: Modern Macro Economic Policies**(Teaching Hours: 9)**

Modern macro economics – The rational expectations hypothesis – Rational Expectations and Long-run Phillips Curve – Supply side economics – New classical macro economics.

Internal Assessment Methods: refer instructions**Text book:**

- ❖ William Mitchell., L. Randall Wray., Martin Watts(2019), "Macro Economics", Red Globe Press, London.
- ❖ David A. Moss, (2014), "A Concise Guide to Macro Economics", Harvard Business Review Press, New York.
- ❖ M.L. Jhingan, (2010), "Macro Economic Theory", 12th Edition, Vrinda Publications (P), Ltd., Delhi.
- ❖ Arjo Klammer (Ed.) (2009), "The New Classical Macro Economics: Conversations with New Classical Economics and their opponents", Oxford University Press, New Delhi.
- ❖ Bain, K. & P.G.A. Howells (2003), "Monetary Economics: Policy and its Theoretical basis", Palgrave Macmillan, London.
- ❖ Froyen Richard T (1999), "Macroeconomics", Addison Welsey, Delhi.
- ❖ R.Levacic and Rebmann (1994), "Macro Economics", Second Edition, ELBS Macmillan Publications, New Delhi.
- ❖ Paul Krugman , Robin Wells (2015), Macroeconomics, worth publishers, New Delhi.
- ❖ Campbell R. McConnell, Stanley L. Brue, Sean Masaki Flynn (2014), Macroeconomics: Principles, Problems, & Policies, McGraw Hill, New Delhi.
- ❖ Eroll D'souza (2012), Macroeconomics, Pearson Education India Publisher, New Delhi.

Reference Book:

- ❖ Froyen (2013), Macroeconomics: Theories and Policies, Pearson Education India Publisher, New Delhi.
- ❖ Rudiger Dornbusch , Stanley Fischer , Richard Startz (2018), Macroeconomics, McGraw Hill, New Delhi.
- ❖ Hubbard R. Glenn, O'Brien Anthony P. (2017), Macroeconomics, Pearson Education Publisher, New York.

- ❖ Campbell R. McConnell, Stanley L. Brue, Sean Masaki Flynn(2014), Macroeconomics: Principles, Problems, & Policies, McGraw Hill, New Delhi.
- ❖ Gordon (2015), Macroeconomics, Pearson Education India Publisher, New Delhi.
- ❖ Frederic S. Mishkin (2016), Macroeconomics: Policy & Practice, Pearson Education Publisher, New York.
- ❖ H. L. Ahuja (2019), Macroeconomics, S. Chand Publishing, New Delhi.
- ❖ Vivek Moorthy (2019), Applied Macroeconomics: Employment, Growth and Inflation, Dreamtech Press publishers, New York.
- ❖ Nag. A (2019) Macroeconomics: For Management Students, Atlantic Publishers and Distributors Pvt Ltd., New Delhi.
- ❖ Olivier Blanchard (2020), Macroeconomics, Pearson Education Publisher, New York.

Course Material:

website links:

- ❖ https://blog.feedspot.com/macro_economics_blogs/
- ❖ <https://durhamtech.libguides.com/macroeconomics/web>
- ❖ <https://www.worldbank.org/en/topic/macroeconomics>

e-Books :

- ❖ <https://www.amazon.in/Macroeconomics-20e-H-L-Ahuja-ebook/dp/B08MFK3N8L>
- ❖ <https://bookauthority.org/books/best-macroeconomics-ebooks>
- ❖ <https://www.amazon.in/Macroeconomics-Global-Olivier-Blanchard-ebook/dp/B01MSOWCEX>

e-journals :

- ❖ <https://www.sciencedirect.com/journal/journal-of-macroeconomics>
- ❖ <https://www.degruyter.com/journal/key/bejm/html?lang=en>
- ❖ <https://www.aeaweb.org/journals/mac>

Mapping with Programme Outcomes

COs	PO ₁	PO ₂	PO ₃	PO ₄	PO ₅	PO ₆	PO ₇	PO ₈	PO ₉	PO ₁₀
CO ₁	M	S	M	S	S	M	M	S	S	M
CO ₂	S	M	S	M	S	S	S	M	S	M
CO ₃	M	M	S	S	M	S	S	S	M	S
CO ₄	S	S	M	M	S	M	M	M	S	M
CO ₅	M	M	S	S	M	S	M	S	M	S

PO – Programme Outcome, CO – Course outcome
 S – Strong , M – Medium, L – Low (may be avoided)

THIRUVALLUVAR UNIVERSITY, VELLORE – 632 115
M. A., Economics – 2022-2023 onwards

Semester: II

Paper type: Core

Paper code: DDEC 23

Name of the Paper: Statistical Methods

Credit: 5

Total Hours per Week: 5

Lecture Hours: 45

Tutorial Hours: 1

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Course Objectives

- ❖ This subject provides some knowledge in statistical methods to the students and the scholars involved in social science research activities.
- ❖ To understand basic theoretical and applied principles of statistics needed to enter the job force.
- ❖ To communicate key statistical concepts to non-statisticians.
- ❖ To gain proficiency in using statistical software for data analysis.
- ❖ To demonstrate preparedness to provide guidance in statistical design and analysis.

Course Out Comes (five outcomes from each units should be mentioned)

CO1: After studied unit-1, the student will be able to provide some knowledge in statistical methods and its related concepts and formulas.

CO2: After studied unit-2, the student will be able to motivate an intrinsic interest in statistical thinking and its applications.

CO3: After studied unit-3, the student will be able to instil in the belief that statistics is important for scientific research.

CO4: After studied unit-4, the student will be able to provide a foundation and motivation for exposure to statistical ideas subsequent to the course.

CO5: After studied unit-5, the student will be able to demonstrate the ability to apply fundamental concepts and exploratory data analysis.

Matching Table (Put Yes / No in the appropriate box)

Unit	i. Remembering	ii. Understanding	iii. Applying	iv. Analyzing	v. Evaluating	vi. Creating
1	Yes	Yes	Yes	No	Yes	Yes
2	Yes	No	Yes	Yes	Yes	No
3	Yes	Yes	No	No	No	Yes
4	Yes	No	Yes	Yes	Yes	No
5	Yes	Yes	No	No	No	Yes

Unit-1: Probability Theory

(Teaching Hours: 8)

Probability - classical and empirical definitions of probability - Laws of addition and multiplication- Theorem of probability- Conditional probability – Economic expectations.

Unit-2: Theoretical Distribution

(Teaching Hours: 9)

Theoretical distribution - Binomial, Poisson and Normal distribution – Economic applications of distribution.

Unit-3: Correlation and Regression Analysis**(Teaching Hours: 9)**

Correlation analysis: Types, Methods, Karl Pearson's correlation, Spearman's Rank Correlation, Limitations – Regression analysis: The Model and estimation of regression coefficients – Economic applications.

Unit-4: Sampling Techniques and Time Series**(Teaching Hours: 10)**

Sampling methods: Random and non-random sampling, Simple random sampling, Stratified random sampling – Concept of an estimator and its sampling distribution – Desirable properties of an estimator – Time series analysis.

Unit-5: Hypothesis Formation**(Teaching Hours: 9)**

Formulation of hypothesis – Null and alternative hypothesis - Type 1 and Type 2 errors - Goodness of fit - Confidence intervals and level of significance.

Internal Assessment Methods: refer instructions**Text book:**

- ❖ N. G. Das (2017), "Statistical Methods", The Mc Graw Hill Publications, New Delhi.
- ❖ Rudolf Freund, Donna Mohr, William Wilson (2010), "Statistical Methods", Academic Press, New York.
- ❖ Gupta S.P (2012), "Statistical Methods", Sultan Chand & Sons, New Delhi.
- ❖ Richard I. Levin, David S. Rubin (2010), "Statistics for management", Oxford University Press, London.
- ❖ Goon Gupta and Das Gupta (1986), "Fundamentals of Statistics", The world press, New Delhi.
- ❖ Mary C. Meyer (2019), "Probability and Mathematical Statistics – Theory, Applications and Practices", SIAM Publishers, New York.
- ❖ Shukla S.M, and S.P. Sahai(2019), Statistical Methods, Sahitya Bhawan Publications, New Delhi.
- ❖ Gupta S. P. (2014), Statistical Methods, Sultan Chand Publisher, New Delhi.
- ❖ Gupta S. P. (2021), Statistical Methods, Sultan Chand and Sons Publisher, New Delhi.
- ❖ Auti A.B. (2021), Numerical And Statistical Methods, Tech-Neo Publications, London.

Reference Book:

- ❖ Sudha P(2019), Statistical Numerical Methods, Charulatha Publications Private Limited, New Delhi.
- ❖ Shukla S.M. and Sahai S.P.(2017), Statistical Methods, Sahitya Bhawan Publications, New Delhi.
- ❖ Ajai S. Gaur, Sanjaya S. Gaur (2009), Statistical Methods for Practice and Research: A Guide to Data Analysis Using SPSS, SAGE Publications India Pvt. Ltd., New Delhi.
- ❖ Rudolf J. Freund, William J. Wilson(2010), Statistical Methods, Elsevier, Oxford.
- ❖ Lyman Ott R. Michael Longnecker(2001), An Introduction to Statistical Methods and Data Analysis, Macmillan Publishing Solutions, United States.
- ❖ Pavitar Parkash Singh (2011) "Statistical Methods in Economics", USI Publications, New Delhi.
- ❖ Spiegel M. R. and Stephens L. J. (1999) "Schaum's outlines in Statistics", 3 ed: McGraw Hill, New Delhi.
- ❖ Box G. E. P., Hunter W. G., and Hunter J. S. (1978) "Statistics for Experimenters", New York: John Wiley & Sons.
- ❖ Winer B. J., Brown D. R., and Michels K. M. (1991) "Statistical Principles in Experimental Design", 3 ed. New York: McGraw-Hill.
- ❖ Snedecor G. W. and Cochran W. G. (1989) "Statistical Methods", 8 ed. Ames: Iowa State Univ. Press.

Course Material:**website links:**

- ❖ <https://towardsdatascience.com/websites-for-statistics-and-data-analysis-on-every-device-ebf92bec3e53>
- ❖ <http://www.stat-help.com/links.html>
- ❖ <https://www.makeuseof.com/websites-find-statistics/>

e-Books :

- ❖ <https://www.amazon.in/STATISTICAL-METHODS-I-Dr-P-DIXIT-ebook/dp/B07H2YKV7D>
- ❖ <https://www.amazon.in/Statistical-Methods-Social-Sciences-Global-ebook/dp/B07B45FBLS>
- ❖ <https://www.elsevier.com/books/statistical-methods/mohr/978-0-12-374970-3>

e-journals :

- ❖ <https://www.springer.com/journal/10260>
- ❖ <https://digitalcommons.wayne.edu/jmasm/>
- ❖ <https://journals.sagepub.com/home/smm>

Mapping with Programme Outcomes

COs	PO ₁	PO ₂	PO ₃	PO ₄	PO ₅	PO ₆	PO ₇	PO ₈	PO ₉	PO ₁₀
CO ₁	M	S	M	S	S	M	M	S	S	M
CO ₂	S	M	S	M	S	S	S	M	S	M
CO ₃	M	M	S	S	M	S	S	S	M	S
CO ₄	S	S	M	M	S	M	M	M	S	M
CO ₅	M	M	S	S	M	S	M	S	M	S

PO – Programme Outcome, CO – Course outcome

S – Strong, M – Medium, L – Low (may be avoided)

THIRUVALLUVAR UNIVERSITY, VELLORE – 632 115
M. A., Economics – 2022-2023 onwards

Semester: II**Paper type: Core****Paper code: DDEC 24****Name of the Paper: Agricultural Economics****Credit: 5****Total Hours per Week: 5****Lecture Hours: 45****Tutorial Hours: 1**

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Course Objectives

- ❖ This paper aims to study the concepts and issues of agricultural sector.
- ❖ To help the students to learn various stages of agriculture and productivity.
- ❖ To provide knowledge of Farm management and marketing to the students.
- ❖ To maximize profitability in agriculture to the benefit of society.
- ❖ To pursue the aspects that influence the agricultural economy and distribution of resources, such as land, raw materials, labour and machinery.

Course Out Comes (five outcomes from each units should be mentioned)

CO1: After studied unit-1, the student will be able to study the concept and issues of Agricultural Sector and its related concepts.

CO2: After studied unit-2, the student will be able to learn various stages of Agricultural development and productivity.

CO3: After studied unit-3, the student will be able to gain knowledge of Farm Management and Marketing skills.

CO4: After studied unit-4, the student will be able to understand the various Agricultural Credit Facilities in India.

CO5: After studied unit-5, the student will be able to demonstrate warehousing policy and facilities and ability to conduct independent research.

Matching Table (Put Yes / No in the appropriate box)

Unit	i. Remembering	ii. Understanding	iii. Applying	iv. Analyzing	v. Evaluating	vi. Creating
1	Yes	Yes	Yes	No	Yes	Yes
2	Yes	No	Yes	Yes	Yes	No
3	Yes	Yes	No	No	No	Yes
4	Yes	No	Yes	Yes	Yes	No
5	Yes	Yes	No	No	No	Yes

Unit-1: Nature and Scope of Agriculture

(Teaching Hours: 8)

Agriculture and economic development – Characteristics of agriculture – Traditional and modern agriculture – role of agriculture in Economic development – Relationship between agriculture and Non-agricultural sectors.

Unit-2: Agricultural Production

(Teaching Hours: 9)

Agricultural production and productivity – Production function – Size of farm and law of returns – Agricultural inputs on shifts in production function – New agricultural technology – Agricultural inputs – fertilizer, plant protection, Irrigation and farm mechanization.

Unit-3: Farm Management**(Teaching Hours: 9)**

Farm management – Types – Business organization – Farm planning – Methods of research techniques in farming – Farm size and efficiency debate – Management of farm resources – Risk and uncertainty - Recent trends in Agriculture – Agro Business Management-Problems of farm Management.

Unit-4: Agricultural Credit**(Teaching Hours: 10)**

Significance of farm credit – source of agricultural finance – Credit system of various agencies – Special Agricultural Credit Plans (SACP) – National Bank for Agriculture and Rural Development (NABARD) – Primary Agricultural Co-operative Credit Societies (PACS) – Lead Bank Schemes.

Unit-5: Agricultural Marketing and Pricing**(Teaching Hours: 9)**

Concepts and features of agricultural marketing – classification and process – Market structure – Functions – Regulated markets: Marketed and marketable surplus – Warehousing policy and facilities – Importance of Minimum Support Price – food security in India – PDS – Crop Insurance – Agricultural development Policies in India.

Internal Assessment Methods: refer instructions**Text book:**

- ❖ S. Subba Reddy (2019), “Agricultural Economics”, Oxford and IBH Publishers, New Delhi.
- ❖ John B. Penson (2019), “Introduction to Agricultural Economics”, Person Publications, New Delhi.
- ❖ Rajendra Reddy, J.P. Abhay Shankar (2019), “Agricultural Economics”, Common Wealth Publishers, New Delhi.
- ❖ Bilgrami, (1996), “Agricultural Economics”, Himalays publishing house, New Delhi.
- ❖ Dantwala. M.L. (1996), “Indian Agricultural Development since Independence”, Oxford & IBH, New Delhi.
- ❖ Joshi, P.C. (1975), “Land Reforms in India Trends and prospects”, Allied Publishers, Bombay.
- ❖ Kahlon, A.A. and Jyagi D.S. (1983), “Agricultural Price Policy in India”, Allied Publishers, New Delhi.
- ❖ Reddy S S (2019) “Agricultural Economics”, Oxford university press, Oxford.
- ❖ Ramchandra (2020) “Textbook of Agricultural Economics”, Write and Print Publications, London.
- ❖ Rajendra Kumar Rout (2021) “A Text Book of Basic Agricultural Economics”, Write and Print Publications, London.

Reference Book:

- ❖ Martin Upton (1996) “The Economics of Tropical Farming Systems”, Cambridge University Press, Cambridge.
- ❖ Mittal, Agarwal (2019) “Agricultural Economics”, Sanjeev Prakashan, New Delhi.
- ❖ Sai Prasad S.V., Srinivas K, Vikas Kumar, Kantwa S.R (2020) “Agricultural Economics”, New Vishal Publications, New Delhi.
- ❖ Frank Ellis (1993) “Peasant Economics: Farm Households in Agrarian Development”, Cambridge University Press, Cambridge.
- ❖ Dasgupta Rajaram (1994) “Indian Agricultural Economy”, Concept Publishing Company Pvt. Ltd., New Delhi.
- ❖ Lekhi R.K, Joginder Singh(2017) “Agricultural Economy Of India”, Kalyani Publishers, New Delhi.

- ❖ Swami H.M., Sanjay, Moro Seidu (2021) “Competitive Agricultural Economics”, New Vishal Publications, New Delhi.
- ❖ Reddy S. Subba (2018) “Agricultural Finance and Management”, Oxford & IBH Publishing Co Pvt.Ltd., Oxford.
- ❖ Rajendran T (2019) “Fundamentals of Agriculture Economics”, Jaya Publishing House, Tamil Nadu.
- ❖ Nain S S (2017) “Introduction to Agricultural Economics”, Cbs Publications, New Delhi.

Course Material:

website links:

- ❖ <https://agrifoodecon.springeropen.com/>
- ❖ https://iari.res.in/index.php?option=com_content&view=category&id=72&Itemid=435
- ❖ <https://www.tandfonline.com/doi/pdf/10.1080/10496500802083666>

e-Books :

- ❖ <https://www.amazon.in/Introduction-Agricultural-Economics-S-Singh-ebook/dp/B07CG6L6DJ>
- ❖ https://books.google.co.in/books/about/Agricultural_Economics.html?id=wBVHdCIaXwUC
- ❖ <https://www.cabi.org/uploads/CABeBooks/CAB-eBooks-Col-Agriculture-Economics.pdf>

e-journals :

- ❖ <https://onlinelibrary.wiley.com/journal/14779552>
- ❖ <https://agecon.unl.edu/facilities/Schlesinger/Databasewebsites.html>
- ❖ <https://onlinelibrary.wiley.com/journal/15740862>

Mapping with Programme Outcomes

COs	PO ₁	PO ₂	PO ₃	PO ₄	PO ₅	PO ₆	PO ₇	PO ₈	PO ₉	PO ₁₀
CO ₁	M	S	M	S	S	M	M	S	S	M
CO ₂	S	M	S	M	S	S	S	M	S	M
CO ₃	M	M	S	S	M	S	S	S	M	S
CO ₄	S	S	M	M	S	M	M	M	S	M
CO ₅	M	M	S	S	M	S	M	S	M	S

PO – Programme Outcome, CO – Course outcome

S – Strong , M – Medium, L – Low (may be avoided)

THIRUVALLUVAR UNIVERSITY, VELLORE – 632 115
M. A., Economics – 2022-2023 onwards

Semester: II **Paper type: Core** **Paper code: DDEC 25**

Name of the Paper: Financial Institutions and Markets **Credit: 5**

Total Hours per Week: 5 **Lecture Hours: 45** **Tutorial Hours: 1**

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Course Objectives

- ❖ To understand the role and function of the financial system in reference to the macro economy.
- ❖ To demonstrate an awareness of the current structure and regulation of the Indian financial services sector.
- ❖ To introduce students to the world of financial services.
- ❖ To enrich student's understanding of the fundamental concepts and working of financial service institutions.
- ❖ To equip students with the knowledge and skills necessary to become employable in the financial service industry.

Course Out Comes (five outcomes from each units should be mentioned)

CO1: After studied unit-1, the student will be able to evaluate the functioning of a financial system.

CO2: After studied unit-2, the student will be able to assess the role of financial markets in an economy.

CO3: After studied unit-3, the student will be able to describe the efficiency of financial institutions.

CO4: After studied unit-4, the student will be able to explain the effectiveness of financial services in an economy.

CO5: After studied unit-5, the student will be able to understand the housing finance and its related concepts.

Matching Table (Put Yes / No in the appropriate box)

Unit	i. Remembering	ii. Understanding	iii. Applying	iv. Analyzing	v. Evaluating	vi. Creating
1	Yes	Yes	Yes	No	Yes	Yes
2	Yes	No	Yes	Yes	Yes	No
3	Yes	Yes	No	No	No	Yes
4	Yes	No	Yes	Yes	Yes	No
5	Yes	Yes	No	No	No	Yes

Unit-1: Financial System

(Teaching Hours: 8)

Meaning of Financial System – Formal and Informal Financial Sectors - Components of the formal financial system – functions - Key elements of financial system - nature and role of financial intermediaries and financial markets in an economy - Structure of the Indian Financial System and reforms - Relationship between the financial system and economic growth – some theoretical and empirical evidences.

Unit-2: Financial Markets**(Teaching Hours: 9)**

Financial Markets – The Money Market – Functions – Efficiency and Instruments - The Indian Money Market; The Capital market – Functions - The Primary Market and Secondary Market - The Derivative Market, The Debt Market; Financial Regulation – RBI and SEBI guidelines.

Unit-3: Financial Institutions**(Teaching Hours: 9)**

Financial Institutions – Development Financial Institutions in India, Banking and Non-Banking financial Institutions - Management of NPAs by Banks in India - Mutual Funds – Investors, Organization, Types of Funds; Insurance – Role of Insurance in economic growth, Insurance intermediaries, Insurance, Insurance Regulatory authority - IRDA.

Unit-4: Financial Services**(Teaching Hours: 10)**

Financial Services – Investment Banking - Merchant Banking - The Depository System - Introduction to Credit Rating - CRISIL and ICRA.

Unit-5: Housing and Micro Finance**(Teaching Hours: 9)**

Housing Finance - Leasing and Hire Purchase - Financial Inclusion and Microfinance.

Internal Assessment Methods: refer instructions**Text book:**

- ❖ Avadhani, V.A. (2012) “Financial Services and Markets”, Himalaya Publishing House, India.
- ❖ Bhole, L. M. (2015) “Indian Financial System”, Chugh Publications, Allahabad, India.
- ❖ Bhole, L. M. (2016) “Financial Institutions and Markets”, Tata McGraw Hill Company Ltd., New Delhi, India.
- ❖ Gordon and Natarajan (2012) “Financial markets and services”, Himalaya Publishing House, India.
- ❖ Gupta, Shashi K. & Agrawal, Nisha (2013) “Financial services”, Kalyani Publishers, India.
- ❖ Houthakker, H. S. & Williamson, P. J. (1996) “Economics of Financial Markets”, Oxford University Press.
- ❖ Khan, M. Y. (2016) “Indian Financial System”, Tata McGraw Hill, New York.
- ❖ Pathak, B. (2014) “Indian Financial System”, Pearson Publication, India.
- ❖ Gardon E & Natarajan K (2008) “Financial Markets & Services”, HPH, 7th Edition, Mumbai.
- ❖ Vasant Desai (2009) “Financial Markets & Financial Services”, Himalaya Publishing House, Mumbai.

Reference Book:

- ❖ Avadhani V.A. (2009) “Financial Services in India”, HPH, 1st Edition.
- ❖ Khan. M. Y. (2010) “ Financial Services”, 5th Edition, Tata Mc Graw Hill, Pvt. Ltd., New Delhi.
- ❖ Madura J. (2005) “Financial Institutions and Markets”, South-Western, New York.
- ❖ Jeff Madura (2014) “Financial Institutions and Markets”, Tata Mc Graw Hill, Pvt. Ltd., New Delhi.
- ❖ Vinay Kandpal, Pankaj Baag (2016) “Financial Institutions And Markets”, ABS Books, New Delhi.
- ❖ Burton (2012) “Introduction To Financial Markets And Institutions”, Tbh/Yes Dee Publications, New York.
- ❖ Frederic S. Mishkin , Stanley Eakins (2017) “Financial Markets and Institutions”, Pearson Education, New York.
- ❖ Vinod Kumar, Atul Gupta and Manmeet Kaur Bawa (2021) “Financial Markets & Institutions”, Taxmann Publications, London.

- ❖ Nisha Aggarwal, Neeti Gupta, Shashi K. Gupta (2021) “Financial Institutions and Markets”, Kalyani Publisher, New Delhi.
- ❖ Kohn (2013) “Financial Institutions and Markets”, Oxford University Press, Oxford.

Course Material:

website links:

- ❖ https://books.google.com/books/about/FINANCIAL_MARKETS_INSTITUTIONS_AND_SERVI.html?id=MBdpDwAAQBAJ
- ❖ https://books.google.com/books/about/Financial_Markets_Institutions_and_Servi.html?id=R4RIEAAAQBAJ
- ❖ <https://www.amazon.in/Financial-Institutions-Markets-Jeff-Madura-ebook/dp/B07Q9JH9YP>

e-Books :

- ❖ <https://library.ccis.edu/finance/markets>
- ❖ https://books.google.com/books/about/Financial_Institutions_Markets_5E.html?id=2wMiBAAAQBAJ
- ❖ https://books.google.com/books/about/Financial_Institutions_and_Markets_Struc.html?id=ZMEUnwEACAAJ

e-journals :

- ❖ <https://www.journals.elsevier.com/journal-of-international-financial-markets-institutions-and-money>
- ❖ <https://www.worldscientific.com/worldscinet/jfm>
- ❖ <https://www.sciencedirect.com/journal/journal-of-international-financial-markets-institutions-and-money>

Mapping with Programme Outcomes

COs	PO ₁	PO ₂	PO ₃	PO ₄	PO ₅	PO ₆	PO ₇	PO ₈	PO ₉	PO ₁₀
CO ₁	M	S	M	S	S	M	M	S	S	M
CO ₂	S	M	S	M	S	S	S	M	S	M
CO ₃	M	M	S	S	M	S	S	S	M	S
CO ₄	S	S	M	M	S	M	M	M	S	M
CO ₅	M	M	S	S	M	S	M	S	M	S

PO – Programme Outcome, CO – Course outcome
 S – Strong, M – Medium, L – Low (may be avoided)

THIRUVALLUVAR UNIVERSITY, VELLORE – 632 115
M. A., Economics – 2022-2023 onwards

Semester: II Paper type: Major Elective Paper code: DDEEC 26A

Name of the Paper: Analytical Development Economics Credit: 5

Total Hours per Week: 5 Lecture Hours: 45 Tutorial Hours: 1

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Course Objectives

- ❖ This paper aims to study the development economics in analytical perspectives with special reference to less developed countries.
- ❖ To provide the essential tools and concepts of *development economics*.
- ❖ To prepare them to understand what makes underdevelopment persist and what helps development succeed.
- ❖ To explore diverse dimension and measures of development, as well as the application of microeconomic analysis.
- ❖ To provide conceptual tools to improve students analytical ability and their access to publishing on academic journals.

Course Out Comes (five outcomes from each units should be mentioned)

CO1: After studied unit-1, the student will be able to study the Development Economics in analytical perspectives.

CO2: After studied unit-2, the student will be able to provide the details of phases of unemployment in India and its related issues.

CO3: After studied unit-3, the student will be able to learn the structural aspects of the Economy in analytical viewpoints.

CO4: After studied unit-4, the student will be able to demonstrate the theories of Stagnation and Tenurial laws and its related concepts.

CO5: After studied unit-5, the student will be able to highlights the structure of Wages and Interest in Economic Aspects.

Matching Table (Put Yes / No in the appropriate box)

Unit	i. Remembering	ii. Understanding	iii. Applying	iv. Analyzing	v. Evaluating	vi. Creating
1	Yes	Yes	Yes	No	Yes	Yes
2	Yes	No	Yes	Yes	Yes	No
3	Yes	Yes	No	No	No	Yes
4	Yes	No	Yes	Yes	Yes	No
5	Yes	Yes	No	No	No	Yes

Unit-1: Introduction

(Teaching Hours: 8)

The Scenario – Economic Rationality and Norms – The vicious circle of poverty – Industrialization and balanced growth – The O-ring theory of low production – Phases of unemployment.

Unit-2: Macro perspectives**(Teaching Hours: 9)**

The Harrod-Domar Model – The Neo-Classical Model – Endogenous Growth – Distribution and development – Employment policy and Inflation Policies – Structural Dis-equilibrium – Foreign Exchange Constraints and Growth: A Two-Gap Model – Aid and Welfare – A Paradoxical Theorem – Sovereign Risk and Rationality – Loan Impact – Debt Relief – Buybacks and Debt – Equity Swaps.

Unit-3: Structural aspects of the Economy**(Teaching Hours: 9)**

The Dual Economy – The Structure of a Dual Economy – the Lewis Model – Migration and Urban Unemployment – The Harris-Todaro Model – the labor turnover Model- Labour Turnover and Duopsony: A Digression – The Wage – Productivity Model – Surplus Labour and the Efficiency Wage – Surplus Labour in the Causal Labour Market – A Collusive Theory of Unemployment.

Unit-4: Theory of Stagnation**(Teaching Hours: 10)**

The Rural Economy – A Theory of Stagnation – The Debt Trap: by chance (or) by design? – Stagnation and Tenurial Laws – Forms of Agricultural Land Tenure – Screening and Entrepreneurial Ability – Share Tenancy – The Lender's Risk Hypothesis – Monopolistic Markets – Market Fragmentation – Credit Policy.

Unit-5: The Structure of Wages and Interest**(Teaching Hours: 9)**

Inter-Linkage in Rural Markets and Limits of Economic Analysis – Potential Risk and Emergences of Inter-Linkage – Partial Equilibrium in an Inter-Linked Market – The Structure of Wages and Interest – The Inter-Temporal Earnings Approach – The Limits of Economic Analysis on Power, Customs and Social Institutions.

Internal Assessment Methods: refer instructions**Text book:**

- ❖ Basu. Kaushik (2015), "Analytical Development Economics – The Less Developed Economy Revisited", Oxford University Press, New Delhi.
- ❖ Aparajita Mukherjee, Saumya Chakrabarti(2019), "Development Economics – A Critical Perspective", Kindle Book Publications, New Delhi.
- ❖ H.L. Ahuja (2019), "Development Economics", S.Chand Publications, New Delhi.
- ❖ R.K. Lekhi , Joginder Singh (2015), "The Economics of Development and Planning", Kalyani Publications, New Delhi.
- ❖ Michael P. Todaro, Stephen C. Smith (2017), "Economic Development", Longman Publications, London.
- ❖ A.K. Sen (Ed.) (2000), "Growth Economics", Penguin Publications, Harmondsworth.
- ❖ De Janvry, A. and E. Sadoulet (2016) "Development Economics: Theory and Practice", Routledge NY.
- ❖ Taylor, E & T. Lybbert (2013) "Essentials of Economic Development Economics", RebelText:Berkeley, California.
- ❖ Bardhan, P. and C. Udry (1999) "Development Microeconomics", Oxford UP.
- ❖ H L Ahuja (2016) "Development Economics", S Chand Publishing, New Delhi.

Reference Book:

- ❖ Smith C. Stephen and Todaro Michael (2018) “Economic Development”, Pearson, India.
- ❖ Ahuja H.L. (2021) “Development Economics book - A Critical Study of Economic Growth, Development and Environment”, S Chand & Co Ltd., New Delhi.
- ❖ Todaro Michael P. (2017) “Economic Development”, Pearson Education India, New Delhi.
- ❖ K.R. Gupta (2009) “Economics of Development and Planning: History, Principles, Problems and Policies”, Atlantic, Mumbai.
- ❖ Deepashree (2022) “Economic Development and Policy in India”, Scholar Tech Press, London.
- ❖ Taneja M.L., Myer R.M. (2022) “Development Economics”, Vishal Publishing Co. New Delhi.
- ❖ Franco Malerba, Richard R. Nelson (2013) “Economic Development as a Learning Process – Variation Across Sectoral Systems”, Edward Elgar Publishing Ltd., London.
- ❖ Haynes Jeffrey (2017) “Development Studies”, Polity Press Publications, London.
- ❖ Jigeesha (2015) “Economic & Social Development In India”, Lexis Nexis Publishers, New York.
- ❖ M.L.Jhingan (2019) “The Economics Of Development & Planning”, Vrinda Publications (P) LTD., Delhi.

Course Material:**website links:**

- ❖ https://www.amazon.in/s/ref=dp_byline_sr_book_1?ie=UTF8&field-author=M.L.+Taneja&search-alias=stripbooks
- ❖ https://www.amazon.in/s/ref=dp_byline_sr_book_2?ie=UTF8&field-author=Richard+R.+Nelson&search-alias=stripbooks
- ❖ <https://www.flipkart.com/books/mljhingan~contributor/pr?sid=bks>

e-Books :

- ❖ https://www.amazon.in/H-L-Ahuja/e/B00J0KKSTY/ref=dp_byline_cont_book_1
- ❖ https://www.amazon.in/s/ref=dp_byline_sr_book_1?ie=UTF8&field-author=K.R.+Gupta&search-alias=stripbooks
- ❖ https://www.amazon.in/s/ref=dp_byline_sr_book_1?ie=UTF8&field-author=Deepashree&search-alias=stripbooks

e-journals :

- ❖ <https://www.journals.elsevier.com/journal-of-development-economics>
- ❖ <https://onlinelibrary.wiley.com/journal/14679361>
- ❖ <http://jedsnet.com/>

Mapping with Programme Outcomes

COs	PO ₁	PO ₂	PO ₃	PO ₄	PO ₅	PO ₆	PO ₇	PO ₈	PO ₉	PO ₁₀
CO ₁	M	S	M	S	S	M	M	S	S	M
CO ₂	S	M	S	M	S	S	S	M	S	M
CO ₃	M	M	S	S	M	S	S	S	M	S
CO ₄	S	S	M	M	S	M	M	M	S	M
CO ₅	M	M	S	S	M	S	M	S	M	S

PO – Programme Outcome, CO – Course outcome

S – Strong , M – Medium, L – Low (may be avoided)

Name of the Paper: Welfare Economics Credit: 5

Total Hours per Week: 5 Lecture Hours: 45 Tutorial Hours: 1

- ❖ The objective of this subject is to study the welfare economics concepts relevant to the present society, and it is highly useful to the economics students.
- ❖ To evaluate the costs and benefits of changes to the economy and guide public policy toward increasing the total good of society, using tools such as cost-benefit analysis and social welfare functions.
- ❖ To examine the ways in which externalities, public goods and monopolies create market failures.
- ❖ To understand the arguments for and against government intervention in an otherwise competitive market.
- ❖ To study the effectiveness of government policies such as subsidies, taxes, quantity controls, transfer programs and public provision of goods and services.

CO₁: After studied unit-1, the student will be able to study the Welfare Economic Concepts and Definitions relevant to present society.

CO₂: After studied unit-2, the student will be able to discuss main principles of measuring income Inequality, Poverty and Social exclusion.

CO₃: After studied unit-3, the student will be able to evaluate and compare different methods of Welfare Financing and its related concepts.

CO₄: After studied unit-4, the student will be able to compare Welfare State Theoretical Models and analyze real Welfare Systems.

CO₅: After studied unit-5, the student will be able to analyze the main features and failures of Market Economy and Public Policies.

Unit	i. Remembering	ii. Understanding	iii. Applying	iv. Analyzing	v. Evaluating	vi. Creating
1	Yes	Yes	Yes	No	Yes	Yes
2	Yes	No	Yes	Yes	Yes	No
3	Yes	Yes	No	No	No	Yes
4	Yes	No	Yes	Yes	Yes	No
5	Yes	Yes	No	No	No	Yes

Welfare economics – Meaning and concept explanation – Three concepts of social welfare – Role of value judgments in welfare economics.

Unit-2: Market Failures and Externalities**(Teaching Hours: 9)**

Market failures, Externalities and public goods – Welfare maximization and perfect competition – Monopoly as an obstacle to the attainment of Pareto optimality – Externalities and Pareto optimality – Public goods and market failures – Free Rider's problem – Public goods and Pareto efficiency – Market failures and role of government – Distortions and the second best.

Unit-3: Paretian Welfare Economics**(Teaching Hours: 9)**

Economic efficiency and Pareto Optimality notion of Pareto optimality and economic efficiency – Pareto criterion of social welfare – Marginal conditions of Pareto optimality – The optimum distribution of products among the consumers: Efficiency in exchange – Optimum allocation of factors – Pareto efficiency in production – Optimum direction of production: Efficiency in product mix – The second order and total conditions of Pareto optimality.

Unit-4: Social Welfare Function**(Teaching Hours: 10)**

Social welfare function – Bergson – Samuelson social welfare function – Social welfare function and value judgments – Grand utility possibility frontier and point of constrained bliss – A mathematical illustration of social welfare function – A critical evaluation of Bergson – Samuelson social welfare function – Prof. Amartya Sen's critique.

Unit-5: New Welfare Economics**(Teaching Hours: 9)**

New welfare economics: Compensation principle – Kaldor, Hicks welfare criterion: Compensation principle – Scitovsky's paradox – Scitovsky's double criterion of welfare – A critique of the compensation principle – Kenneth Arrow's impossibility theorem.

Internal Assessment Methods: refer instructions**Text book:**

- ❖ Roger A. Mc Cain (2019), "Welfare Economics – An Interpretive History", Routledge Publications, New Delhi.
- ❖ Allan M. Feldman, Roberto Serrano (2010), "Welfare Economics and Social Choice Theory, Springer Science Publications, New York.
- ❖ Nicholas, B. (Ed.) (2001), "Economic Theory and the Welfare State", Edward Elgar Publishing Ltd., London, U.K.
- ❖ Boumol, W.J. (Ed.) (2000), "Welfare Economics", Edward Elgar Publishing Ltd., London, U.K.
- ❖ Feldman, A.M. (1980), "Welfare Economics and Social Choice Theory", Martinus Nijhoff, Boston.
- ❖ Baumol, W.J. (1965), "Welfare Economics and the theory of the State", (Second Edition), Longmans, London.
- ❖ Pigou, A.C. (1962), "The Economics of Welfare", 4th Edition, Macmillan Publishing House, London.
- ❖ Graaff, J. de V. (1957), "Theoretical Welfare Economics", Cambridge University Press, Cambridge.
- ❖ Arrow, K.J. (1951), "Social Choice and Individual Values", Yale University Press, New Haven.
- ❖ Myint, H. (1948), "Theories of Welfare Economics", Longmans, London.

Reference Book:

- ❖ Reder, Melvin. W. (1947), “Studies in the theory of welfare economics”, Cambridge University press, New York.
- ❖ Little, I.M.D. (1939), “A Critique of welfare Economics”, 2nd Edition, Oxford University Press, Oxford.
- ❖ Arrow, K. (1950). A difficulty in the concept of social welfare. Journal of Political Economy, 58(4), 328–346.
- ❖ Bergson, A. (1938). A reformulation of certain aspects of welfare economics. Quarterly Journal of Economics, 52(2), 310–334.
- ❖ Kaldor, N. (1939). Welfare propositions of economics and interpersonal comparisons of utility. The economic journal, 549-552.
- ❖ Hicks, J. R. (1939). The foundations of welfare economics. The economic journal, 49(196), 696-712.
- ❖ Harrod, R. F. (1938). Scope and method of economics. The Economic Journal, 48(191), 383-412.
- ❖ Smith, A. (1776). 1976. An Inquiry into the Nature and Causes of the Wealth of Nations. The Glasgow edition of the works and correspondence of Adam Smith, 2.
- ❖ Waglé, U.R., Koirala, B. (2014). Welfare Economics. In: Michalos, A.C. (eds) Encyclopedia of Quality of Life and Well-Being Research. Springer, Dordrecht. https://doi.org/10.1007/978-94-007-0753-5_3209
- ❖ Irshad CV (2016) “Five Theories of Welfare Economics – An Evaluation”, Munich, GRIN Verlag, London.

Course Material:**website links:**

- ❖ https://www.investopedia.com/terms/w/welfare_economics.asp
- ❖ https://link.springer.com/10.1057/978-1-349-95121-5_1417-2
- ❖ <https://sites.google.com/view/welfareeepolicy/home>

e-Books :

- ❖ <https://www.amazon.in/Applied-Welfare-Economics-Chris-Jones-ebook/dp/B005NKK6D8>
- ❖ <https://www.eolss.net/ebooklib/bookinfo/welfare-economics-sustainable-development.aspx>
- ❖ https://www.e-elgar.com/shop/usd/books/economics-and-finance/welfare-economics-eaf.html?book_status=15&book_type=5456

e-journals :

- ❖ <https://www.springer.com/journal/355>
- ❖ <https://onlinelibrary.wiley.com/journal/14682397>
- ❖ <https://www.researchgate.net/journal/Economics-E-Journal-1864-6042>

Mapping with Programme Outcomes

COs	PO ₁	PO ₂	PO ₃	PO ₄	PO ₅	PO ₆	PO ₇	PO ₈	PO ₉	PO ₁₀
CO ₁	M	S	M	S	S	M	M	S	S	M
CO ₂	S	M	S	M	S	S	S	M	S	M
CO ₃	M	M	S	S	M	S	S	S	M	S
CO ₄	S	S	M	M	S	M	M	M	S	M
CO ₅	M	M	S	S	M	S	M	S	M	S

PO – Programme Outcome, CO – Course outcome
 S – Strong , M – Medium, L – Low (may be avoided)

THIRUVALLUVAR UNIVERSITY, VELLORE – 632 115
M. A., Economics – 2022-2023 onwards

Semester: II Paper type: Major Elective Paper code: DDEEC 26C

Name of the Paper: Applied Econometrics Credit: 5

Total Hours per Week: 5 Lecture Hours: 45 Tutorial Hours: 1

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Course Objectives

- ❖ To provide the students with some useful econometric tools for his/her future research and to help the students to develop a way of thinking in quantitative terms.
- ❖ This is a course intended to familiarize the students with the widely used data analysis technique of regression analysis.
- ❖ It emphasizes applications to the analysis of business and other data and makes extensive use of computer statistical package.
- ❖ The goal of the course is to introduce the students to the various modeling techniques under regression analysis that would help them in decision making process.
- ❖ To conduct independent econometric and statistical analysis of data in an applied research setting.

Course Out Comes (five outcomes from each units should be mentioned)

CO1: After studied unit-1, the student will be able to deals with the measurement of economic relationships.

CO2: After studied unit-2, the student will be able to integrate Economics, Mathematics and Statistics with an objective to provide numerical values to the parameters of economic relations.

CO3: After studied unit-3, the student will be able to understand the applications of Econometrics in Economics.

CO4: After studied unit-4, the student will be able to teach how to analyse the information and concepts relating to economics.

CO5: After studied unit-5, the student will be able to understand the issues relating to economic forecasting and its methods.

Matching Table (Put Yes / No in the appropriate box)

Unit	i. Remembering	ii. Understanding	iii. Applying	iv. Analyzing	v. Evaluating	vi. Creating
1	Yes	Yes	Yes	No	Yes	Yes
2	Yes	No	Yes	Yes	Yes	No
3	Yes	Yes	No	No	No	Yes
4	Yes	No	Yes	Yes	Yes	No
5	Yes	Yes	No	No	No	Yes

Unit-1: Problems in non-experimental science

(Teaching Hours: 8)

Inference – Problems in non-experimental science – Criteria for model specification.

Unit-2: Consumer behaviour**(Teaching Hours: 9)**

Consumer behaviour – Derivation of demand functions and theoretical restrictions – Specification and estimation of demand functions – Elasticities – Engel curve.

Unit-3: Producers behaviour**(Teaching Hours: 9)**

Producer's behaviour: Specification and estimation of production function – Cobb Douglas, Translog and CES production function – Measurement of partial and total factor productivity.

Unit-4: Market models**(Teaching Hours: 10)**

Identification – Market model – Simple Keynesian model – Estimation and testing.

Unit-5: Economic forecasting**(Teaching Hours: 9)**

Economic forecasting – Methods of forecasting – Limitations.

Internal Assessment Methods: refer instructions**Text book:**

- ❖ Raw and Miller. R.L. (1959) "Applied Econometrics", PHI, Delhi.
- ❖ Koutsoyanis (1979) "Econometrics", MacMillan Publishers Ltd., London.
- ❖ Damodar N Gujarati, Dawn C Porter and Sangeetha Gunasekar, SIE (2015) "Basic Econometrics" New Delhi: Tata McGraw-Hill Publishing Company Limited.
- ❖ Jack Johnston and John DiNardo (1997) "Econometric Methods", McGraw-Hill Publishers, New Delhi.
- ❖ Ramu Ramanathan (2002) "Introductory Econometrics with Applications", Hartcourt College Publishers, London.
- ❖ McClave J. T., Benson P. G. and Sincich T. (2007) "A First Course in Business Statistics", Prentice Hall, New York.
- ❖ Russell Davidson and James G. Mackinnon (1993) "Estimation and Inference in Econometrics", Oxford University Press, Oxford.
- ❖ Wooldridge J M (2016) Introductory Econometrics: A Modern Approach, 6th edition (or earlier). Cengage Learning, ISBN: 978-1-305-27010-7.
- ❖ Navdeep Kaur & Arul Pragasam S. Shyamala (2013) "A Text Book on Econometrics", Vishal Publishing Co., New Delhi.
- ❖ Chung-ki Min (2019) "Applied Econometrics: A Practical Guide", Routledge, New York.

Reference Book:

- ❖ A.C. Cameron and P.K. Trivedi (2005) "Microeconometrics", Cambridge University Press, Cambridge.
- ❖ Samprit Chatterjee and Jeffrey S. Simonoff (2013) "Handbook of Regression Analysis", John Wiley and Sons, New York.
- ❖ Samprit Chatterjee and Ali S Hadi (2012) "Regression Analysis by Example", John Wiley and Sons, New York.
- ❖ Kutner, Nachtsheim, and Neter (2009) "Applied Linear Statistical Models", The McGraw-Hill, Delhi.
- ❖ Gujarati D N and Porter D C (2009) "Basic Econometrics", 5th edition, McGraw-Hill, International Edition ISBN 978-007-127625-2.
- ❖ Asteriou D and S G Hall (2011) "Applied Econometrics", 2nd edition, Palgrave Macmillan, ISBN 978-0-230-27182-1.
- ❖ Debesh Bhowmik (2020) "Studies on Econometric Application", Synergy Books, India.
- ❖ Christiana E Hilmer Michael J Hilmer Chandan Sharma (2019) "Practical Econometrics Data Collection Analysis And Application", Mc Graw Hill, India.

- ❖ Gullybaba.com Panel (2022) “Introductory Econometrics”, Gullybaba Publishing House Pvt. Ltd., London.
- ❖ William H Greene (2018) “Econometric Analysis”, Pearson, India.

Course Material:

website links:

- ❖ <https://www.springer.com/series/5667>
- ❖ <https://inomics.com/advice/the-top-free-online-econometrics-courses-49892>
- ❖ <https://www.monash.edu/study/courses/find-a-course/2022/applied-economics-and-econometrics-b6001>

e-Books :

- ❖ <https://analyticsindiamag.com/top-5-online-resources-to-learn-about-econometrics/>
- ❖ <https://www.edx.org/learn/econometrics>
- ❖ <https://www.usc.gal/economet/aeid.htm>

e-journals :

- ❖ <https://onlinelibrary.wiley.com/journal/10991255>
- ❖ <https://onlinelibrary.wiley.com/page/journal/10991255/homepage/forauthors.html>
- ❖ <https://academic.oup.com/ectj>

Mapping with Programme Outcomes

COs	PO ₁	PO ₂	PO ₃	PO ₄	PO ₅	PO ₆	PO ₇	PO ₈	PO ₉	PO ₁₀
CO ₁	M	S	M	S	S	M	M	S	S	M
CO ₂	S	M	S	M	S	S	S	M	S	M
CO ₃	M	M	S	S	M	S	S	S	M	S
CO ₄	S	S	M	M	S	M	M	M	S	M
CO ₅	M	M	S	S	M	S	M	S	M	S

PO – Programme Outcome, CO – Course outcome

S – Strong , M – Medium, L – Low (may be avoided)

THIRUVALLUVAR UNIVERSITY, VELLORE – 632 115
M. A., Economics – 2022-2023 onwards

Semester: II Paper type: Non-Major Elective Paper code: DDOEC 27A

Name of the Paper: Economics of Sustainable Development Credit: 5

Total Hours per Week: 5 Lecture Hours: 45 Tutorial Hours: 1

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Course Objectives

- ❖ To practice, changing our unsustainable ways into more sustainable ones.
- ❖ To balance our economic, environmental and social needs, allowing prosperity of now and future generations.
- ❖ To eradicate poverty in all its forms, everywhere.
- ❖ To eradicate hunger, achieve food safety and improved diet and promote sustainable agriculture.
- ❖ To ensure healthy lives and promote well-being for everyone of all ages.

Course Out Comes (five outcomes from each units should be mentioned)

- CO₁: After studied unit-1, the student will be able to understand the basic concepts of Sustainable Development(SD).**
- CO₂: After studied unit-2, the student will be able to know the history of the Sustainable Development ideas.**
- CO₃: After studied unit-3, the student will be able to discuss the conflicts which are involved in the SD Concepts.**
- CO₄: After studied unit-4, the student will be able to familiar with potential strategic options for SD.**
- CO₅: After studied unit-5, the student will be able to argue the Advantages and Disadvantages of instruments for SD.**

Matching Table (Put Yes / No in the appropriate box)

Unit	i. Remembering	ii. Understanding	iii. Applying	iv. Analyzing	v. Evaluating	vi. Creating
1	Yes	Yes	Yes	No	Yes	Yes
2	Yes	No	Yes	Yes	Yes	No
3	Yes	Yes	No	No	No	Yes
4	Yes	No	Yes	Yes	Yes	No
5	Yes	Yes	No	No	No	Yes

General Introduction

Sustainable Development (SD) is defined as “development that meets the needs of the present without compromising the ability of future generations to meet their own needs” (Brundtland Report 1987). More specific sustainable development goals (SDGs) have been formulated by the UN in 2015. The most critical resources for the survival of future generations are climate stability and biodiversity. Therefore, we have to respect the planetary boundaries of economic activity today. However, today many people are still far from being able to meet their basic needs, especially in developing countries. SD not only addresses the question of inter-

generational justice but also this intra-generational issue: How to improve the life of the poor without overburdening the ecosystems? This is a challenge for individual lifestyles (especially in rich nations), for companies and for government policy. The lecture provides a basic understanding of these challenges introduces strategies and instruments for sustainable development.

Contents

- I.** Introduction and History – Brundtland – Rio - SDGs - Basic Concepts - Strategies and Measurement.
- II.** Efficiency and Innovation - Green Growth and Rebound – Sufficiency - Income and Labor - Consumption Patterns and Lifestyles.
- III.** Poverty and Inequality - Instruments for SD.
- IV.** Governance - Education and Science System - Climate Change and Global warming.
- V.** Biodiversity - Company Perspectives.

Internal Assessment Methods: refer instructions

Text book:

- ❖ Buchholtz, Ann K. Carroll, Archie B. (2009), “Business & Society”, 7th ed., (South-Western, Cengage).
- ❖ John Blewitt(2018), “Understanding Sustainable Development”, Taylor & Francis Ltd., New York.
- ❖ Dala Clayton Barry(2018), “Sustainable Development Strategies”, Taylor & Francis Ltd., New York.
- ❖ Ziolo, Magdalena, Sergi, Bruno S. (2019), “Financing Sustainable Development”, Palgrave Macmillan Publications, London.
- ❖ Crane, Andrew Matten, Dirk (2010), “Business Ethics: Managing Corporate Citizenship and Sustainability in the Age of Globalization”, 3rd ed., Oxford University Press, Oxford.
- ❖ Duflo, Esther, Banerjee, Abhijit V. (2001), “Poor Economics. A Radical Rethinking of the Way to Fight Global Poverty”, Public Affairs, New York.
- ❖ Hart, Stuart L. (2005), “Capitalism at the Crossroads: The Unlimited Business Opportunities in Solving the World's Most Difficult Problems”, PA Wharton School, Philadelphia.
- ❖ Perman, Roger et al. (2011), “Natural Resource and Environmental Economics”, 4th ed., Pearson Education, Harlow.
- ❖ Rainey, David Lloyd (2008), “Sustainable Business Development: Inventing the Future through Strategy, Innovation and Leadership”, Cambridge University Press, Cambridge.
- ❖ Hanley, N., Shogren, J.F., White, B. (1997). The Economics of Sustainable Development. In: Environmental Economics in Theory and Practice. Macmillan Texts in Economics. Palgrave, London. https://doi.org/10.1007/978-1-349-24851-3_14.

Reference Book:

- ❖ Adger, W. N. (1993). Sustainable national income and natural resource degradation: initial results for Zimbabwe. Sustainable Environmental Economics and Management: Principles and Practice, Belhaven Press, London, 338-359.
- ❖ Barbier, E. B. (1990). Alternative approaches to economic-environmental interactions. Ecological Economics, 2(1), 7-26.
- ❖ Bishop, R. C. (1993). Economic efficiency, sustainability, and biodiversity. Ambio, 69-73.

- ❖ Christensen, P. P. (1989). Historical roots for ecological economics—biophysical versus allocative approaches. *Ecological economics*, 1(1), 17-36.
- ❖ Ciriacy-Wantrup, S. V. (1968). *Resource conservation: economics and policies*. Univ of California Press.
- ❖ Common, M. (2017). Towards an Ecological Economics of Sustainability 1. In *The Economics of Sustainability* (pp. 199-226). Routledge.
- ❖ Hanley, N. D., Munro, A., Ghosh, D., & Jamieson, D. (1991). *Environmental Economics and Sustainable Development in Nature Conservation*. Report to NCC, March 1991. NCC.
- ❖ Hartwick, J. M. (1978). Substitution among exhaustible resources and intergenerational equity. *The review of economic studies*, 45(2), 347-354.
- ❖ Holling, C. S. (1986). The resilience of terrestrial ecosystems: local surprise and global change. *Sustainable development of the biosphere*, 14, 292-317.
- ❖ Klaassen, G. A., & Opschoor, J. B. (1991). Economics of sustainability or the sustainability of economics: different paradigms. *Ecological economics*, 4(2), 93-115.

Course Material:

website links:

- ❖ https://link.springer.com/chapter/10.1007/978-1-349-24851-3_14
- ❖ <https://www.cambridge.org/core/books/economics-of-sustainable-development/D9F84CE0170ABCEA9890C114965B0FD3>
- ❖ <https://www.ekonomika.org.rs/esd/index.html>

e-Books :

- ❖ <https://bookauthority.org/books/best-sustainable-development-ebooks>
- ❖ <https://www.eolss.net/ebooklib/bookinfo/welfare-economics-sustainable-development.aspx>
- ❖ <https://www.amazon.in/Economics-Sustainable-Development-Runa-Sarkar-ebook/dp/B0787F4PWL>

e-journals :

- ❖ <https://iiste.org/Journals/index.php/JEDS#:~:text=The%20journal%20is%20published%20in,is%20a%20member%20of%20CrossRef.>
- ❖ <https://www.inderscience.com/jhome.php?jcode=ajesd>
- ❖ <https://www.journalsindexed.com/2017/02/jesd-journal-of-economics-and.html>

Mapping with Programme Outcomes

COs	PO ₁	PO ₂	PO ₃	PO ₄	PO ₅	PO ₆	PO ₇	PO ₈	PO ₉	PO ₁₀
CO ₁	M	S	M	S	S	M	M	S	S	M
CO ₂	S	M	S	M	S	S	S	M	S	M
CO ₃	M	M	S	S	M	S	S	S	M	S
CO ₄	S	S	M	M	S	M	M	M	S	M
CO ₅	M	M	S	S	M	S	M	S	M	S

PO – Programme Outcome, CO – Course outcome
 S – Strong , M – Medium, L – Low (may be avoided)

THIRUVALLUVAR UNIVERSITY, VELLORE – 632 115**M. A., Economics – 2022-2023 onwards****Semester: II****Paper type: Non-Major Elective****Paper code: DDOEC 27B****Name of the Paper: Economics for Managers****Credit: 5****Total Hours per Week: 5****Lecture Hours: 45****Tutorial Hours: 1****Course Objectives**

- ❖ To prepare the students with the methodology of decision making using the concepts of microeconomics.
- ❖ To facilitate the functioning of markets in theory and practice.
- ❖ To provide a brief background of macroeconomics fundamentals of Indian economy.
- ❖ To assist in making decisions on the various areas that affect business.
- ❖ To implement devices that measures the broad scale of a company's financial goals.

Course Out Comes (five outcomes from each units should be mentioned)

CO₁: After studied unit-1, the student will be able to understand the details of the principles of economics and its related concepts.

CO₂: After studied unit-2, the student will be able to explain the various theories of demand and supply and its associated concepts.

CO₃: After studied unit-3, the student will be able to elucidate the details of production and cost analysis and economies of scale.

CO₄: After studied unit-4, the student will be able to gain knowledge on different market structures and pricing practices.

CO₅: After studied unit-5, the student will be able to explain an overview of macroeconomic concepts.

Matching Table (Put Yes / No in the appropriate box)

Unit	i. Remembering	ii. Understanding	iii. Applying	iv. Analyzing	v. Evaluating	vi. Creating
1	Yes	Yes	Yes	No	Yes	Yes
2	Yes	No	Yes	Yes	Yes	No
3	Yes	Yes	No	No	No	Yes
4	Yes	No	Yes	Yes	Yes	No
5	Yes	Yes	No	No	No	Yes

Unit-1: Introduction**(Teaching Hours: 8)**

Origin - Principles of Economics - Working of Economy - Objectives of firm-Economics as Science- Role of assumptions Separation of ownership and control-Economics of information.

Unit-2: Demand and Supply**(Teaching Hours: 9)**

Theory of Demand-Market Demand Vs Individual Demand-Demand Curve - Shifts in Demand. Theory of Supply- Market supply Vs individual supply-Supply curve-Shift in Supply-Market equilibrium Elasticity and its applications-Price, income, cross elasticity. Theory of Consumer behavior-Indifference curves-Utility Maximization.

Unit-3: Production and Cost Analysis**(Teaching Hours: 9)**

Production function-Cost output relations - Production in short and long run - Cost in short and long run- Isoquants-Law of returns-Law of variable proportions - Economies of scale.

Unit-4: Market Structures**(Teaching Hours: 10)**

Different market structures-Firms in competitive markets Monopoly-Monopolistic competition-Oligopoly-Profit maximization in different market structure-Pricing practices-Methods and strategies of price determination-Market failure

Unit-5: Macroeconomics**(Teaching Hours: 9)**

Aggregate demand and supply- National income- Money and inflation-Quantity theory of money-Business cycles- IS and IM curve-Monetary and fiscal policies.

Internal Assessment Methods: refer instructions**Text book:**

- ❖ Thomas, Christopher R., S. Charles Maurice, and Sumit Sarkar. (2007), "Managerial economics". McGraw-Hill Publication, New York.
- ❖ Mankiw, N. Gregory. (2014), "Principles of Economics", Cengage Learning, New York.
- ❖ Uddipto Roy (2005), "Managerial Economics", Asian Books Pvt., Ltd., New Delhi.
- ❖ Dominick Salvatore (2012), "Managerial Economics", Oxford University Press, Oxford.
- ❖ Jyotsna Haran(2012), "Managerial Economics", Garima Publications, New Delhi.
- ❖ Craig H. Petersen. W., Cris Lewis, Sudhir K. Jain (2005), "Managerial Economics", Person Education, New York.
- ❖ Rajeev Jadhav., Abhijit Gajghate(2019), "Managerial Economics", Sai Jothi Publications, Bombay.
- ❖ Paul G. Keat., Philip K. Young(2005), "Managerial Economics", Pearson International Edition, Singapore.
- ❖ Luke M. Froeb | Brian T. McCann | Michael R. Ward | Mike Shor (2018) "Managerial Economics: A Problem Solving Approach", Cengage, India.
- ❖ Christopher Thomas, S. Charles Maurice (2019) "Managerial Economics", McGraw-Hill Education, Delhi.

Reference Book:

- ❖ Varshney & Maheswari (2009) "Managerial Economics", Sultan Chand, Delhi.
- ❖ Siddiqui S.A. & Siddiqui A.S (2013) "Managerial Economics and Financial Analysis", New Age international Publishers, Hyderabad.
- ❖ Kasi Reddy M. & Saraswathi (2012) "Managerial Economics and Financial Analysis", PHI New Delhi.
- ❖ Craig Peterson H. & Cris Lewis (2012) "Managerial Economics", Pearson, New York.
- ❖ Lipsey & Chrystel (2012) "Economics", Oxford University Press, Oxford.
- ❖ Domnick Salvatore (2012) "Managerial Economics In a Global Economy", Thomson, London.
- ❖ Truet and Truet (2012) "Managerial Economics: Analysis, Problems and Cases", Wiley, London.
- ❖ Dwivedi (2012) "Managerial Economics", Vikas, New Delhi.
- ❖ Vijay Kumar & Appa Rao (2011) "Managerial Economics & Financial Analysis", Cengage India.
- ❖ Prabhakar Rao J.V. & Rao P.V. (2011) "Managerial Economics & Financial Analysis", Maruthi Publishers, Delhi.

Course Material:**website links:**

- ❖ <https://online.hbs.edu/courses/economics-for-managers/>
- ❖ <https://www.linkedin.com/learning/managerial-economics>
- ❖ <https://www.classcentral.com/course/hbx-economics-for-managers-4816>

e-Books :

- ❖ <https://www.edx.org/learn/managerial-economics>
- ❖ <https://www.london.ac.uk/courses/economics-managers>
- ❖ <https://alison.com/course/diploma-in-managerial-economics-market-theory>

e-journals :

- ❖ <https://onlinelibrary.wiley.com/journal/15309134>
- ❖ <https://www.tandfonline.com/toc/tbem20/current>
- ❖ <https://www.inderscience.com/jhome.php?jcode=ijsem>

Mapping with Programme Outcomes

COs	PO ₁	PO ₂	PO ₃	PO ₄	PO ₅	PO ₆	PO ₇	PO ₈	PO ₉	PO ₁₀
CO ₁	M	S	M	S	S	M	M	S	S	M
CO ₂	S	M	S	M	S	S	S	M	S	M
CO ₃	M	M	S	S	M	S	S	S	M	S
CO ₄	S	S	M	M	S	M	M	M	S	M
CO ₅	M	M	S	S	M	S	M	S	M	S

PO – Programme Outcome, CO – Course outcome
 S – Strong , M – Medium, L – Low (may be avoided)

THIRUVALLUVAR UNIVERSITY, VELLORE – 632 115
M. A., Economics – 2022-2023 onwards

Semester: II Paper type: Non-Major Elective Paper code: DDOEC 27C

Name of the Paper: Foundations of Economics Credit: 5

Total Hours per Week: 5 **Lecture Hours: 45** **Tutorial Hours: 1**

Course Objectives

- ❖ The foundations of economics are the application of basic economic concepts and decision-making skills.
- ❖ This includes scarcity and the different methods of allocation of goods and services.
- ❖ To discuss differences between needs and wants.
- ❖ To recognize that people are buyers and sellers of goods and services.
- ❖ To discuss how people can be both producers and consumers of goods and services.

Course Out Comes (five outcomes from each units should be mentioned)

CO₁: After studied unit-1, the student will be able to recognize the basic structure of an economy.

CO₂: After studied unit-2, the student will be able to assess the functioning of markets in an economy.

CO3: After studied unit-3, the student will be able evaluate the effectiveness of economic policies.

CO4: After studied unit-4, the student will be able to apply theories and approaches of economics for economic Development of country.

CO₅: After studied unit-5, the student will be able to understand the nature and direction of international trade.

Matching Table (Put Yes / No in the appropriate box)

Unit	i. Remembering	ii. Understanding	iii. Applying	iv. Analyzing	v. Evaluating	vi. Creating
1	Yes	Yes	Yes	No	Yes	Yes
2	Yes	No	Yes	Yes	Yes	No
3	Yes	Yes	No	No	No	Yes
4	Yes	No	Yes	Yes	Yes	No
5	Yes	Yes	No	No	No	Yes

Unit-1: Introduction

(Teaching Hours: 8)

Economics, The production possibility frontier, Demand, Elasticity of demand, Supply, Market equilibrium, The free market system, Intervening in the market system, Costs: Short run and long run, Revenues, costs, and profits.

Unit-2: Market Structures

(Teaching Hours: 9)

Perfect competition, Monopoly, Oligopoly, Monopolistic competition and nonprice competition, the labour market, Introduction to macroeconomics, Equilibrium in the economy.

Unit-3: Income and Price**(Teaching Hours: 9)**

National income and the standard of living, Aggregate demand, aggregate supply, and the price level, Consumption, Investment, Fiscal policy, Money and monetary policy.

Unit-4: Economic Growth and Inflation**(Teaching Hours: 10)**

Economic growth and the economic cycle, Unemployment, Inflation, Exchange rates.

Unit-5: International Economics**(Teaching Hours: 9)**

International trade, balance of payments, and protectionism, Protectionism and globalization.

Internal Assessment Methods: refer instructions**Text book:**

- ❖ Dewett, K. K. (2010) "Modern Economic Theory", New Delhi: S. Chand & Company Ltd.
- ❖ Gillespie, Andrew (2014) "Foundations of Economics", (3rd Edition). Oxford University Press, Oxford
- ❖ Hoag, A.J and Hoag, J. H. (2010) "Introductory Economics", (4th Edition). Chennai: World Scientific Publishing Co. Pvt. Ltd.
- ❖ Lipsey, R.G., and Chrystal, K.A., (1995) "An Introduction to Positive Economics", Oxford University Press
- ❖ Mankiw, N. (2014) "Principles of Economics", (3rd Edition). South Western: Mason.
- ❖ Samuelson, P.A., and William Nordhaus (2009) "Economics", Tata McGraw-Hill.
- ❖ Allen, R. G. D. (1949), "The Mathematical Foundations of Economic Theory," Quarterly Journal of Economics, 63(1), pp. 111–127.
- ❖ Boulding, Kenneth E., (1948) "Samuelson's Foundations: The Role of Mathematics in Economics," Journal of Political Economy, 56(3), pp. 187-199.
- ❖ Samuelson, Paul A., (1947), Enlarged ed., (1983) "Foundations of Economic Analysis Description", Harvard University Press. ISBN 9780674313033
- ❖ Samuelson, Paul A., (1998) "How Foundations Came to Be", Journal of Economic Literature, 36(3), pp. 1375–1386

Reference Book:

- ❖ Savage, L. J. (1948) "Samuelson's Foundations: Its Mathematics," Journal of Political Economy, 56(3), pp. 200-202.
- ❖ Tintner, Gerhard (1948). "Foundations of Economic Analysis, Paul A. Samuelson," Journal of the American Statistical Association, 43(243), pp. 497-99.
- ❖ Akerlof, G. A. (1970) "The market for "lemons": Quality, uncertainty, and the market mechanism. Quarterly Journal of Economics 84(3), 488–500.
- ❖ Arrow, K. J. (1962) "The economic implications of learning by doing", Review of Economic Studies 29(3), 155–173.
- ❖ Baye, M. R. (2010) "Microeconomics and business strategy", New York, NY: McGraw-Hill Irwin.
- ❖ Brickley, J. A., Smith, C. W., Jr., & Zimmerman, J. L. (2001) "Managerial economics and organizational architecture", New York, NY: McGraw-Hill Irwin.
- ❖ Hanke, J. E., & Wichern, D. W. (2009) "Business forecasting", (9th ed.). Upper Saddle River, NJ: Pearson Prentice Hall.
- ❖ Hirschey, M., & Pappas, J. L. (1996) "Managerial economics", (8th ed.). Fort Worth, TX: The Dryden Press.
- ❖ Kreps, D. M. (2004) "Microeconomics for managers", New York, NY: W. W. Norton & Company.
- ❖ Samuelson, W. F., & Marks, S. G. (2010) "Managerial economics", (6th ed.). Hoboken, NJ: John Wiley & Sons.

Course Material:**website links:**

- ❖ <https://learninglink.oup.com/access/gillespie-econ5e-student-resources>
- ❖ <https://link.springer.com/book/10.1007/978-3-642-77318-1>
- ❖ <https://www.khanacademy.org/economics-finance-domain>

e-Books :

- ❖ <https://www.amazon.in/Foundations-Economics-Global-Robin-Bade-ebook/dp/B00XN47KNA>
- ❖ https://books.google.com/books/about/Foundations_of_Economics.html?id=6iD4CwAAQBAJ
- ❖ https://books.google.com/books/about/Foundations_of_Economics_Global_Edition.html?id=58nTvQEACAAJ

e-journals :

- ❖ https://en.wikipedia.org/wiki/George_J._Stigler
- ❖ https://en.wikipedia.org/wiki/Leonard_Jimmie_Savage
- ❖ https://en.wikipedia.org/wiki/Merrill_M._Flood

Mapping with Programme Outcomes

COs	PO ₁	PO ₂	PO ₃	PO ₄	PO ₅	PO ₆	PO ₇	PO ₈	PO ₉	PO ₁₀
CO ₁	M	S	M	S	S	M	M	S	S	M
CO ₂	S	M	S	M	S	S	S	M	S	M
CO ₃	M	M	S	S	M	S	S	S	M	S
CO ₄	S	S	M	M	S	M	M	M	S	M
CO ₅	M	M	S	S	M	S	M	S	M	S

PO – Programme Outcome, CO – Course outcome
 S – Strong , M – Medium, L – Low (may be avoided)

Paper code: DDHR 20

Credit: 4

Tutorial Hours: 1

- ❖ The objective of this paper is to know the human values and rights pertaining to contemporary economic situation.
- ❖ To foster attitudes of tolerance, respect, solidarity, and responsibility.
- ❖ To teaches both about human rights and for human rights.
- ❖ To help people understand human rights, value human rights, and take responsibility for respecting, defending, and promoting human rights.
- ❖ To develop awareness of how human rights can be translated into social and political reality.
- ❖ To develop skills for protecting human rights.

CO1: After studied unit-1, the student will be able to explain the Human Values and Rights pertaining to contemporary economic situation.

CO2: After studied unit-2, the student will be able to gain knowledge and awareness about Human Rights and its Right Perspectives.

CO3: After studied unit-3, the student will be able to provide the capacity to identify issues relating to Human Rights.

CO4: After studied unit-4, the student will be able to develop investigative and analytical skills relating to Human Rights.

CO5: After studied unit-5, the student will be able to understand the principles and institutions of International Human Rights.

Unit	i. Remembering	ii. Understanding	iii. Applying	iv. Analyzing	v. Evaluating	vi. Creating
1	Yes	Yes	Yes	No	Yes	Yes
2	Yes	No	Yes	Yes	Yes	No
3	Yes	Yes	No	No	No	Yes
4	Yes	No	Yes	Yes	Yes	No
5	Yes	Yes	No	No	No	Yes

(Teaching Hours: 8)

(Teaching Hours: 9)

International Human Rights - Prescription and Enforcement upto World War II - Human Rights and the U.N.O. - Universal Declaration of Human Rights - International Covenant on Civil and Political Rights - International Covenant on Economic, Social and Cultural Rights and Optional Protocol.

Unit-3: Human Rights Declarations**(Teaching Hours: 9)**

Human Rights Declarations - U.N. Human Rights Declarations - U.N. Human Commissioner.

Unit-4: Amnesty International**(Teaching Hours: 10)**

Amnesty International - Human Rights and Helsinki Process - Regional Developments - European Human Rights System - African Human Rights System - International Human Rights in Domestic courts.

Unit-5: Contemporary Issues on Human Rights**(Teaching Hours: 9)**

Contemporary Issues on Human Rights: Children's Rights - Women's Rights - Dalit's Rights - Bonded Labour and Wages - Refugees - Capital Punishment. Fundamental Rights in the Indian Constitution - Directive Principles of State Policy - Fundamental Duties - National Human Rights Commission.

Internal Assessment Methods: refer instructions**Text book:**

- ❖ International Bill of Human Rights, Amnesty International Publication, (1988).
- ❖ Human Rights, Questions and Answers, UNESCO, (1982).
- ❖ H.O. Agarwal (2014), "Human Rights", Central Law Publications, New Delhi.
- ❖ Jain Rashee (2016), "Text Book on Human Rights - Law and Practice", Universal Publications, New Delhi.
- ❖ Talwar Prakash (2019), "Human Rights", Gyan Books Publications, New Delhi.
- ❖ K. Pushpavalli (2016), "Human Rights – An Overview", S. Chand & Sons, New Delhi.
- ❖ Jatindra Kumar Das (2019), "Human Rights Law and Practice", Asia – Pacific Private Limited, New Delhi.
- ❖ Alston, Philip, ed. (2005) "Non-State Actors and Human Rights", Oxford University Press, USA.
- ❖ Alston, Philip, and James Crawford, eds (2000) "The Future of UN Human Rights Treaty Monitoring", Cambridge University Press.
- ❖ Alston, Philip, and Frederic Megret, eds (2014) "The United Nations and Human Rights: A Critical Appraisal", Second Edition. Oxford University Press.

Reference Book:

- ❖ Bassiouni, M. Cherif, and William A. Schabas, eds (2011) "New Challenges for the UN Human Rights Machinery: What Future for the UN Treaty Body System and the Human Rights Council Procedures?", Intersentia.
- ❖ Bayefsky, Anne F (2000) "The UN Human Rights Treaty System in the 21st Century", Kluwer Law International.
- ❖ Brysk, Alison (2009) "Global Good Samaritans: Human Rights as Foreign Policy", Oxford University Press, USA.
- ❖ Crawford, James (2010) "The Future of UN Human Rights Treaty Monitoring", Cambridge University Press.
- ❖ Butler, Clark, ed. (2012) "Child Rights: The Movement, International Law, and Opposition", Purdue University Press.
- ❖ Dembour, Marie-Bénédicte (2006) "Who Believes in Human Rights?: Reflections on the European Convention", 1st ed. Cambridge University Press.
- ❖ Fassin, Didier, and Mariella Pandolfi, eds. (2010) "Contemporary States of Emergency: The Politics of Military and Humanitarian Interventions", Zone Books.
- ❖ Goodale, Mark, ed. (2012) "Human Rights at the Crossroads", Oxford University Press, USA.
- ❖ Goodhart, Michael, ed. (2009) "Human Rights: Politics and Practice", Oxford University Press, USA.

- ❖ Goodhart, Michael (2013) “Human Rights: Politics and Practice”, 2nd ed. Oxford University Press, USA.

Course Material:

website links:

- ❖ <https://www.humanrightscareers.com/issues/websites-where-you-can-find-human-rights-case-studies/>
- ❖ <http://hrlibrary.umn.edu/center/fellowshipguide/general.shtm>
- ❖ <https://www.iwu.edu/human-rights/resources.html>

e-Books :

- ❖ <https://bookauthority.org/books/new-human-rights-ebooks>
- ❖ <https://brill.com/view/serial/HRHLEB>
- ❖ <https://brill.com/view/serial/ILHREB>

e-journals :

- ❖ <https://www.tandfonline.com/toc/fjhr20/current>
- ❖ <https://academic.oup.com/jhrp>
- ❖ <https://www.springer.com/journal/12142>

Mapping with Programme Outcomes

COs	PO ₁	PO ₂	PO ₃	PO ₄	PO ₅	PO ₆	PO ₇	PO ₈	PO ₉	PO ₁₀
CO ₁	M	S	M	S	S	M	M	S	S	M
CO ₂	S	M	S	M	S	S	S	M	S	M
CO ₃	M	M	S	S	M	S	S	S	M	S
CO ₄	S	S	M	M	S	M	M	M	S	M
CO ₅	M	M	S	S	M	S	M	S	M	S

PO – Programme Outcome, CO – Course outcome
 S – Strong , M – Medium, L – Low (may be avoided)

THIRUVALLUVAR UNIVERSITY, VELLORE – 632 115
M. A., Economics – 2022-2023 onwards

Semester: II Paper type: Compulsory Paper Paper code: DDEC 31

Name of the Paper: Public Economics – I Credit: 5

Total Hours per Week: 5 Lecture Hours: 45 Tutorial Hours: 1

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Course Objectives

- ❖ To understand the economics of government expenditure and taxation.
- ❖ To introduce the nature and theories of public goods.
- ❖ To familiarize the various aspects of the theory of public choice, taxations and budgetary policies.
- ❖ To use economic analysis to predict and verify the effects of government intervention on behaviour of individuals, households, and firms.
- ❖ To discuss the implications of policy for efficiency and equity.

Course Out Comes (five outcomes from each units should be mentioned)

CO₁: After studied unit-1, the student will be able to impart to the understanding of the role and functions of government in modern economy.

CO₂: After studied unit-2, the student will be able to gain knowledge on the nature and theories of Public Goods and its related concepts.

CO₃: After studied unit-3, the student will be able to familiarize with the various aspects of the theory of Public Choice and its concepts.

CO₄: After studied unit-4, the student will be able to explain the recent trends in Taxation and Budgetary Policies in India.

CO₅: After studied unit-5, the student will be able to investigate the role of public sector in the economic arena.

Matching Table (Put Yes / No in the appropriate box)

Unit	i. Remembering	ii. Understanding	iii. Applying	iv. Analyzing	v. Evaluating	vi. Creating
1	Yes	Yes	Yes	No	Yes	Yes
2	Yes	No	Yes	Yes	Yes	No
3	Yes	Yes	No	No	No	Yes
4	Yes	No	Yes	Yes	Yes	No
5	Yes	Yes	No	No	No	Yes

Unit-1: Principles of Public Finance

(Teaching Hours: 8)

Public finance – concept and functions – Principles – Maximum Social Advantage – Musgrave's view – Test of Social Advantage – Market Failure – Imperfection – Externalities – Theory of Second Best.

Unit-2: Theory of Public and Private Goods**(Teaching Hours: 9)**

Need for the public sector – Public and private sector – Public goods: character and concept – Private goods – Merit goods – Social wants and merits wants – Market supply of public goods .

Unit-3: Public Choice**(Teaching Hours: 9)**

Pareto optimality – Private and public mechanism for allocating resources – Problem for allocating resources – Arrow's Impossibility Theorem – Bergson and Samuelson Social Welfare Function.

Unit-4: Public Revenue and Public Debt**(Teaching Hours: 10)**

Sources of public revenue – Classification of public revenue – Objectives of public debt – Classification of public debt – Effects of public debt – Burden of public debt – Public debt management – Public Accounts Committee (PAC).

Unit-5: Fiscal Policies**(Teaching Hours: 9)**

Meaning and Objectives-Concept of Fiscal Policy- Modern Fiscal Policy and Stabilization – Fiscal Crisis and Fiscal Sector Reforms in India– Financing of Fiscal Deficit - Agenda for Future Fiscal Reforms in India- Indian Fiscal Policy since 1991.

Internal Assessment Methods: refer instructions**Text book:**

- ❖ Om Prakash (2012), "Public Economics - Theory and Practice", VPC Futures of Winners Publications, New Delhi.
- ❖ Martin Feldstein, A.J. Auerbach(2002), "Hand Book of Public Economics", North-Holland Publications, New York.
- ❖ A.K.Bhatia (2013), "Public Economics", Black Prints Publications, New Delhi.
- ❖ Anthony B. Atkinson, Joseph E. Stiglitz (2015), "Lectures on Public Economics", Princeton University Press, Chicago.
- ❖ Ambar Ghosh, Chandana Ghosh(2018), "Public Finance", PHI Publications, New Delhi.
- ❖ Richard.A Musgrave (1989), "Public Finance in Theory and Practice", McGraw Hill Book Company, New York.
- ❖ Kenneth Joseph Arrow (2012), "Social Choice and Individual Value", John Wiley & Sons, New York.
- ❖ David. N and Nicholas. S (1987), "The Theory of Taxation for Developing Countries"
- ❖ Jain N.K. (2019) "Public Economics", Sanjeev Prakashan, New Delhi.
- ❖ Varshney J. C. (2022) "Public Finance", SBPD Publishing House, New Delhi.

Reference Book:

- ❖ Om Parkash (2012) "Public Economics", Vishal Publishing Co., New Delhi.
- ❖ Sury M.M. (2020) "Public Economics", New Century Publications, New Delhi.
- ❖ Gareth D. Myles (2019) "Public Economics", Cambridge, New York.
- ❖ Gruber, J. (2019) "Public Finance and Public Policies", 6th edition, Worth Publishers.
- ❖ Rosen, H. and Gayer T. (2014) "Public Finance", 10th edition, McGraw Hill.
- ❖ Burkhard Heer(2019) "Public Economics - The Macroeconomic Perspective", Springer Nature, New York.
- ❖ Singh S.K. (2010) "Public Finance in Theory & Practice", S Chand & Company, New Delhi.
- ❖ TR Jain, BD Majhi (2019) "Public Economics", VK Global Publications Pvt Ltd., New Delhi.
- ❖ Gullybaba.com Panel (2022), "Public Economics", Gullybaba Publishing House Pvt. Ltd., Delhi.
- ❖ Richard Musgrave, Peggy Musgrave (2017) "Public Finance in Theory and Practice", McGraw Hill Education, New Delhi.

Course Material:**website links:**

- ❖ <https://old.mu.ac.in/wp-content/uploads/2014/04/MA-Public-Eco.pdf>
- ❖ <https://www.amazon.in/Public-Economics-Gareth-D-Myles/dp/0521497698>
- ❖ <https://www.cambridge.org/9780521497695>

e-Books :

- ❖ <https://www.phindia.com/Books/ShoweBooks/NTU4/Public-Economics>
- ❖ <https://link.springer.com/book/10.1007/978-3-030-00989-2>
- ❖ <https://www.worldcat.org/title/public-economics/oclc/920447728?referer=di&ht=edition>

e-journals :

- ❖ <https://www.journals.elsevier.com/journal-of-public-economics>
- ❖ <https://www.sciencedirect.com/journal/journal-of-public-economics>
- ❖ <https://www.omicsonline.org/public-economics-journals.php>

Mapping with Programme Outcomes

COs	PO ₁	PO ₂	PO ₃	PO ₄	PO ₅	PO ₆	PO ₇	PO ₈	PO ₉	PO ₁₀
CO ₁	M	S	M	S	S	M	M	S	S	M
CO ₂	S	M	S	M	S	S	S	M	S	M
CO ₃	M	M	S	S	M	S	S	S	M	S
CO ₄	S	S	M	M	S	M	M	M	S	M
CO ₅	M	M	S	S	M	S	M	S	M	S

PO – Programme Outcome, CO – Course outcome
 S – Strong , M – Medium, L – Low (may be avoided)

THIRUVALLUVAR UNIVERSITY, VELLORE – 632 115
M. A., Economics – 2022-2023 onwards

Semester: III **Paper type: Core** **Paper code: DDEC 32**
Name of the Paper: Research Methodology **Credit: 5**
Total Hours per Week: 5 **Lecture Hours: 45** **Tutorial Hours: 1**

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Course Objectives

- ❖ To tell the systematic method for acquiring data and studying it for deriving out crucial findings.
- ❖ The objective of this subject is to make the students to know the basic concepts and methods in research methodology.
- ❖ This paper helps the students to pursue further research leading to Applied Economic Research.
- ❖ To drive all aspects of research methodology such as data collection, design, analysis and recommendation.
- ❖ To address the underlying purpose of investigation and analysis.

Course Out Comes (five outcomes from each units should be mentioned)

CO₁: After studied unit-1, the student will be able to understand the basic concepts and measures in Research Methodology.

CO₂: After studied unit-2, the student will be able to pursue further research leading to applied economics and its related field.

CO₃: After studied unit-3, the student will be able to develops understanding of basic Framework of research process.

CO₄: After studied unit-4, the student will be able to demonstrate various research design and techniques.

CO₅: After studied unit-5, the student will be able to analyze the components of scholarly writings and evaluates its quality.

Matching Table (Put Yes / No in the appropriate box)

Unit	i. Remembering	ii. Understanding	iii. Applying	iv. Analyzing	v. Evaluating	vi. Creating
1	Yes	Yes	Yes	No	Yes	Yes
2	Yes	No	Yes	Yes	Yes	No
3	Yes	Yes	No	No	No	Yes
4	Yes	No	Yes	Yes	Yes	No
5	Yes	Yes	No	No	No	Yes

Unit-1: Social Science Research

(Teaching Hours: 8)

Nature of social science research – Researcher's approach: Problems of research in social science – Formulation of a research problems – Objectives – Hypothesis – Research design – Various methods of research – Importance of social science research.

Unit-2: Methods and Techniques of Data Collection (Teaching Hours: 9)

Data Collection: Types – Sources of data – Methods and techniques of data collection – Important sources of secondary data for research – Main steps in research – Selection of a research problems – Sampling methods – Choice of sample size, types and criteria.

Unit-3: Data Presentation and Analysis (Teaching Hours: 9)

Data analysis – Quantifying data – Coding – Editing – Tabulation – Data interpretation – Data preparation and preliminary analysis – Statistical analysis and interpretation of data – Non paramative tests – Multivariate analysis of data – Model building and decision making.

Unit-4: Research Design and Test of Hypothesis (Teaching Hours: 10)

Meaning of Research design – Steps-Problems-Review of literature-Hypothesis testing – Chi-square test (χ^2) – F-test – T-test – Analysis of variance – Partial and Multiple correlation coefficient – Regression – Partial and Multiple regression – Factor analysis – Computer aided research.

Unit-5: Report Writing and Presentation (Teaching Hours: 9)

Writing and formatting of Reports – Requirements and mechanics of thesis writing – Purpose of research report – Criteria for a good Research Report-Role of computers in report writing –General structure of the report– Bibliography.

Internal Assessment Methods: refer instructions**Text book:**

- ❖ Kirsty Williamson, Graeme Johanson(2017), “Research Methods- Information, Systems and Contexts”, Chandos Publishing House, New Delhi.
- ❖ Chandrakant Kokare., Shrikant Kokare (2015), “Research Methodology”, Nirali Prakashan Publishing House, New Delhi.
- ❖ Ranjith Kumar(2019), “Research Methodology – A Step by Step Guide for Beginners”, Pearson Publications, Singapore.
- ❖ C.R. Kothari., Gaurav Garg (2019), “Research Methodology – Methods and Techniques”, New Age International Publishers, New Delhi.
- ❖ K.N. Krishna Moorthy(2019), “Management Research Methodology – Integration of Principles, Methods and Techniques”, Pearson Publications, New Delhi.
- ❖ Kurien C.T., (ed.) (2016), “A Guide to Research in Economics”, Sangam Publishing House, New Delhi.
- ❖ Solitz, E. Jahoda, M. Dutsch, M. and Cook, S.W., (2019), “Research Methods in Social Relations”, Holt Rinehart and Winston Publications, New York.
- ❖ Goode W.J. and Halt P.K (2018), “Methods in Social Research”, Mc-Graw Hill Publications, New York.
- ❖ Baidyanathmishra (2018) “Research Methodology”, Chaukhambha Orientalia, Mumbai.
- ❖ K. Hanumantha Rao (2012) “Research Methodology - Techniques and Applications”, Discovery Publishing Pvt.Ltd., New Delhi.

Reference Book:

- ❖ Young P (2012), “Scientific Surveys and Research”, Prentice Hall Publishing house, London.
- ❖ Forces and Bicher, (2011), “Social Research Methods”, Prentics Hall Publishing House,London.
- ❖ Janathan Anderson, Berry H. Durston, Millicent Poole (2014), “Thesis and Assignment Writing”, Wiley Eastern Limited, New Delhi.

- ❖ Kanam Yelikar (2009) “Essentials Of Research Methodology & Dissertation Writing”, Jaypee Publishers, New Delhi.
- ❖ Deepak Chawla & Neena Sodhi (2019) “Research Methodology: Concepts and Cases”, 2nd Edition, vikas Publications house Ltd., New Delhi.
- ❖ Kumar R (2014) “Research Methodology”, Sage Publications, New Delhi.
- ❖ Michael Passer (2021) “Research Methods Concepts and Connections”, Macmillan Learning, New Delhi.
- ❖ Tripathi PC (2014) “A Textbook of Research Methodology in Management and Social Sciences”, Sultan Chand & Sons, New Delhi.
- ❖ Pandian Sundara P (Dr), Muthulakshmi S (Dr), Vijayakumar T. (Dr) (2022) “Research Methodology & Applications of SPSS in Social Science Research”, Sultan Chand & Sons, New Delhi.
- ❖ Michael J Crotty (2022) “The Foundations of Social Research: Meaning and Perspective in the Research Process”, SAGE Publications, California.

Course Material:

website links:

- ❖ <https://research-methodology.net/>
- ❖ <https://study.sagepub.com/kumar5e>
- ❖ <https://www.coursera.org/learn/research-methods>

e-Books :

- ❖ <https://ccsuniversity.ac.in/bridge-library/pdf/Research-Methodology-CR-Kothari.pdf>
- ❖ https://www.researchgate.net/publication/319207471_HANDBOOK_OF_RESEARCH_METHODOLOGY
- ❖ <https://www.amazon.in/Research-Methods-Education-Louis-Cohen-ebook/dp/B076DDF7DH>

e-journals :

- ❖ https://www.researchgate.net/publication/299749100_Use_of_E-Journals_by_researchers_A_comparative_study
- ❖ <https://caliber.inflibnet.ac.in/caliber2009/CaliberPDF/59.pdf>
- ❖ <https://www.tandfonline.com/toc/tsrm20/current>

Mapping with Programme Outcomes

COs	PO ₁	PO ₂	PO ₃	PO ₄	PO ₅	PO ₆	PO ₇	PO ₈	PO ₉	PO ₁₀
CO ₁	M	S	M	S	S	M	M	S	S	M
CO ₂	S	M	S	M	S	S	S	M	S	M
CO ₃	M	M	S	S	M	S	S	S	M	S
CO ₄	S	S	M	M	S	M	M	M	S	M
CO ₅	M	M	S	S	M	S	M	S	M	S

PO – Programme Outcome, CO – Course outcome

S – Strong , M – Medium, L – Low (may be avoided)

THIRUVALLUVAR UNIVERSITY, VELLORE – 632 115
M. A., Economics – 2022-2023 onwards

Semester: III Paper type: Core Paper code: DDEC 33

Name of the Paper: International Economics Credit: 5

Total Hours per Week: 5 Lecture Hours: 45 Tutorial Hours: 1

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Course Objectives

- ❖ The objective of this paper is to inculcate the basic concepts in the International Economics in the minds of the Student community.
- ❖ To study international economics and understand the patterns of trade, how they are impacted by globalization, along with concepts like FDI, gains from trade, the balance of payments and relationship between different countries.
- ❖ To overcome world mass misery and alarming disparities between the living conditions of the rich and poor in the world as large.
- ❖ To provide poor nations increased participation and have their say in the decision-making processes in international affairs.
- ❖ To study the different types of economic activities across countries as well as the impact of global issues on global trade and economy.

Course Out Comes (five outcomes from each units should be mentioned)

CO₁: After studied unit-1, the student will be able to explain the basic concepts and methods in International Economics.

CO₂: After studied unit-2, the student will be able to Relates relationship between theory of foreign trade and economic development.

CO₃: After studied unit-3, the student will be able to establish the relationship between international capital markets and economic development.

CO₄: After studied unit-4, the student will be able to evaluate the role of IMF and World Bank International Monetary systems.

CO₅: After studied unit-5, the student will be able to explain adjustment mechanism of Balance of Payments and Policies.

Matching Table (Put Yes / No in the appropriate box)

Unit	i. Remembering	ii. Understanding	iii. Applying	iv. Analyzing	v. Evaluating	vi. Creating
1	Yes	Yes	Yes	No	Yes	Yes
2	Yes	No	Yes	Yes	Yes	No
3	Yes	Yes	No	No	No	Yes
4	Yes	No	Yes	Yes	Yes	No
5	Yes	Yes	No	No	No	Yes

Unit-1: Theories of International Trade (Teaching Hours: 8)

Pure Theory of International Trade –Theories of Absolute Advantage and comparative Advantage – Opportunity cost approach – J S Reciprocal theory - H.O. Model –Rybczynski Theorem – Leontief Paradox – Factor intensity reversal – Terms of Trade.

Unit-2: International Trade**(Teaching Hours: 9)**

International Trade – Importance – Technology differences and trade– Trade based on product differentiation – Intra-industry trade – limitation gap and product cycle models.

Unit-3: Free Trade and Protection**(Teaching Hours: 9)**

The case of free trade and protection – Trade restriction –Tariff and non-Tariff barriers – effects of tariff –partial Equilibrium Analysis – Effective Rate of Protection – General Equilibrium Analysis – Optimum Tariff – Stolper Samuelson Theorem – Metzler paradox, Lerner symmetry theorem.

Unit-4: International Economic Unions**(Teaching Hours: 10)**

Forms of economic integration – FTA - Common market – Economic union, trade creating and trade diverting Customs Unions – higher forms of economic integration – Economic blocks in practice.

Unit-5: International Trade and Economic Growth**(Teaching Hours: 9)**

Trade as an engine of growth – Export promotion Vs import substitution strategies – problems facing developing economies – MNCs and direct investment. Globalization – WTO and World Trade System, Distortions in Trade – International Banking and global Capital markets — Lessons from developing countries - Foreign Direct Investment – International Portfolio Investment – International Financial Market instruments – Financial Swaps.

Internal Assessment Methods: refer instructions**Text book:**

- ❖ Paul R Krugman & Maurice Obstfeld(2013), “International Economics - Theory and Practice”, Pearson Education, Singapore.
- ❖ Bo Sodersten and Geoffrey Reed (2015), “International Economics”, Macmillan Publications, London .
- ❖ Dominic Salvatore (2012), “International Economics”, John Wilkey& Sons, New York.
- ❖ James Gerber (2014), “International Economics”, Pearson Education, Singapore.
- ❖ Indian Institute of Banking and Finance (2017), “International Trade Finance”, Taxmann Press, New Delhi.
- ❖ Sugata Margit (2014), “International Trade and Finance”, Oxford University Press, London.
- ❖ Francis Cherunilam (2020) “International Economics”, 6Th Edition, McGraw Hill, New Delhi.
- ❖ Thomas Pugel (2021) “International Economics”, Amer Media Intl - McGraw Hill audio, New Delhi.
- ❖ Acharyya Rajat (2013) “International Economics - An Introduction to Theory and Policy”, OUP India Publishers, New Delhi.
- ❖ Gupta K. R. (2009) “International Economics”, Atlantic Publishers & Distributors Pvt Ltd., New Delhi.

Reference Book:

- ❖ Robert M. Dunn , James C. Ingram (1996) “International Economics: Study Guide”, John Wiley & Sons, London.
- ❖ Dominick Salvatore (2012) “Introduction to International Economics”, John Wiley & Sons, London.
- ❖ Mannur H.G. (2018) “International Economics”, Vikas Publishing House, New Delhi.

- ❖ Dominick Salvatore (2021) “International Economics”, Wiley Publishers, London.
- ❖ Kenneth A. Reinert (2011) “An Introduction to International Economics: New Perspectives on the World Economy”, Cambridge University Press” New York.
- ❖ Wilfred J. Ethier (1983) “Modern International Economics”, WW Norton & Co., London.
- ❖ Dana Stryk (2000) “International Economics Study Guide and Workbook”, Routledge, New York.
- ❖ James Gerber (2014) “International Economics” 6Th Edition, Pearson India, Delhi.
- ❖ Paul Krugman, Maurice Obstfeld, Marc Melitz (2017) “International Economics Theory and Policy, Pearson, New York.
- ❖ Hendrik Van den Berg (2016) “International Economics: A Heterodox Approach”, Routledge, New York.

Course Material:

website links:

- ❖ <https://internationalecon.com/>
- ❖ <https://www.lse.ac.uk/study-at-lse/summer-schools/Summer-School/Courses/Secure/Economics/EC351>
- ❖ <https://www.shiksha.com/humanities-social-sciences/international-economics-chp>

e-Books :

- ❖ <https://www.e-booksdirectory.com/listing.php?category=385>
- ❖ <https://www.kobo.com/us/en/ebooks/international-economics>
- ❖ <https://bookauthority.org/books/new-international-economics-ebooks>

e-journals :

- ❖ <https://www.tandfonline.com/toc/riej20/current>
- ❖ <https://www.journals.elsevier.com/journal-of-international-economics>
- ❖ <https://onlinelibrary.wiley.com/journal/14682354>

Mapping with Programme Outcomes

COs	PO ₁	PO ₂	PO ₃	PO ₄	PO ₅	PO ₆	PO ₇	PO ₈	PO ₉	PO ₁₀
CO ₁	M	S	M	S	S	M	M	S	S	M
CO ₂	S	M	S	M	S	S	S	M	S	M
CO ₃	M	M	S	S	M	S	S	S	M	S
CO ₄	S	S	M	M	S	M	M	M	S	M
CO ₅	M	M	S	S	M	S	M	S	M	S

PO – Programme Outcome, CO – Course outcome

S – Strong , M – Medium, L – Low (may be avoided)

THIRUVALLUVAR UNIVERSITY, VELLORE – 632 115
M. A., Economics – 2022-2023 onwards

Semester: III **Paper type: Core** **Paper code: DDEC 34**

Name of the Paper: Indian Economic Development and Policies **Credit: 5**

Total Hours per Week: 5 **Lecture Hours: 45** **Tutorial Hours: 1**

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Course Objectives

- ❖ This subject is highly useful for students to know contemporary Indian economic development policy issues and challenges.
- ❖ To better utilise the available human resources of the country by increasing the employment levels.
- ❖ To be self-sufficient in major commodities and also increase exports through economic planning.
- ❖ To improve the material standards of living by raising the absolute level of per capita incomes.
- ❖ To achieve the goal of economic development economic development is necessary for under developed countries because they can solve the problems of general poverty, unemployment and backwardness through it.

Course Out Comes (five outcomes from each units should be mentioned)

CO1: After studied unit-1, the student will be able to study Contemporary Indian Economic Development Policy issues and challenges.

CO2: After studied unit-2, the student will be able to provide basic knowledge of factors governing Indian Economy and its Growth.

CO3: After studied unit-3, the student will be able to understand the role of Indian Economy in the Global Context.

CO4: After studied unit-4, the student will be able to demonstrate Capital Formation and methods of computation of National Income.

CO5: After studied unit-5, the student will be able to analyze the role of Industries in Economic Development.

Matching Table (Put Yes / No in the appropriate box)

Unit	i. Remembering	ii. Understanding	iii. Applying	iv. Analyzing	v. Evaluating	vi. Creating
1	Yes	Yes	Yes	No	Yes	Yes
2	Yes	No	Yes	Yes	Yes	No
3	Yes	Yes	No	No	No	Yes
4	Yes	No	Yes	Yes	Yes	No
5	Yes	Yes	No	No	No	Yes

Unit-1: Economic Development

(Teaching Hours: 8)

Economic Development and its Measurement – Sustainable development - Role of State, market and other institutions - Indicators of development – Physical Quality Life Index (PQLI) - Human Development Index (HDI) - Gender development indices – Planning in India: Objectives, Strategies and achievements, causes for the failure of five year plans.

Unit-2: Agricultural Development**(Teaching Hours: 9)**

New Agricultural Policy - Technological transformation in agricultural sector – Pricing of agricultural inputs and output - Terms of trade between agriculture and industry - Agricultural finance - Agricultural marketing and warehousing - Issues in food security – Policies for sustainable agricultural growth.

Unit-3: Industrial Development and Policies**(Teaching Hours: 9)**

Public sector enterprises: Performance, Problem of sick units in India, Debates on privatization and disinvestment – Industrial Sector Growth in India – MSME – An overview - Small scale sector – Productivity in industrial sector – Issues in labour market reforms – Approaches for employment generation.

Unit-4: Unemployment and Poverty**(Teaching Hours: 10)**

Unemployment: Measurement and trends – Regional inequality in growth and convergence – Poverty: Measurements and trends – Issues in poverty measurement – Effects of Unemployment and Poverty on Indian Economy.

Unit-5: Foreign Trade**(Teaching Hours: 9)**

Foreign Trade of India – Structure and direction – New trade policy and exports promotional activities – FDI and related issues – India's free trade agreements – WTO and Indian Economy.

Internal Assessment Methods: refer instructions**Text book:**

- ❖ V.K. Puri, S.K. Misra (2019), "Indian Economy", Himalaya Publishing House, New Delhi.
- ❖ Ramesh Singh (2019), "Indian Economy – for Civil Services, Universities and other Examinations", Mc Graw Hill Education, New Delhi.
- ❖ Bimal Jalan (2004), "The Indian Economy - Problems and Prospects", Penguin Books, New Delhi.
- ❖ Datt. R. (2001), "Second Generation Economic Reforms in India", Deep and Deep Publications, New Delhi.
- ❖ Chakravarty, S. (1987), "Development Planning: The Indian Experience", Oxford University Press, New Delhi.
- ❖ Sanjiv Verma (2020), "The Indian Economy – for UPSC and State Services Preliminary and Main Examinations", UNIQUE Publishers, New Delhi.
- ❖ A V Balakrishnan (2022) "Economic Development in India", GK Publications, New Delhi.
- ❖ Saumitra Mohan (2017) "Indian Policy and Development", McGraw Hill, New Delhi.
- ❖ Deepashree (2022) "Economic Development and Policy in India – II", Scholar Tech Press, New Delhi.
- ❖ Ghosh, Sahana (2022) "Indian Economy", PHI Learning, New York.

Reference Book:

- ❖ Sandeep Garg (2022) "Indian Economic Development", Dhanpat Rai Publications, New Delhi.
- ❖ Jain TR, Ohri VK (2022) "Indian Economic Development", VK Global Publications Pvt Ltd., New Delhi.
- ❖ Debashis Mazumdar, Mainak Bhattacharjee (2021) "Issues In Economic Development and India", ABS Publishing House, Delhi.
- ❖ Ajoy Kumar Nandi (2021) "Micro Economics & Indian Economy", B B Kundu Grandsons, New Delhi.

- ❖ Suman Kalyan Chaudhury, Sukanta Sarkar (2020) “Economic Development In India”, GenNext Publication, Mumbai.
- ❖ Jigeesha (2015) “Economic & Social Development in India”, Lexis Nexis, New York.
- ❖ Balakrishnan A V (2016) “Economic Development in India for GS (Main) Paper 3 Civil Services Examination”, GKP Publications, New Delhi.
- ❖ Balakrishnan A V (2018) “Economic Development in India”, GKP Publications, New Delhi.
- ❖ Mohan Saumitra (2021) “Indian Policy and Development - A Manual for National Schemes and International Policies”, McGraw Hill Education India, New Delhi.
- ❖ Deepashree (2020) “Indian Economy”, Ane Books Pvt. Ltd., Delhi.

Course Material:

website links:

- ❖ <https://www.india.gov.in/topics/finance-taxes/economy>
- ❖ <https://iegindia.org/>
- ❖ <https://www.jagranjosh.com/general-knowledge/indian-economy-a-complete-study-material-1464929494-1>

e-Books :

- ❖ <https://www.amazon.in/Economic-Development-Policies-Reforms-Liberalisation-ebook/dp/B09S3DX5DQ>
- ❖ https://afeias.com/wp-content/uploads/2019/04/class11_economics_english.pdf
- ❖ <https://www.routledge.com/Indian-Economic-Policy-and-Development/Bauer/p/book/9780415848923>

e-journals :

- ❖ <https://journals.sagepub.com/home/iej>
- ❖ <https://ijed.in/about>
- ❖ <https://www.springer.com/journal/40847>

Mapping with Programme Outcomes

COs	PO ₁	PO ₂	PO ₃	PO ₄	PO ₅	PO ₆	PO ₇	PO ₈	PO ₉	PO ₁₀
CO ₁	M	S	M	S	S	M	M	S	S	M
CO ₂	S	M	S	M	S	S	S	M	S	M
CO ₃	M	M	S	S	M	S	S	S	M	S
CO ₄	S	S	M	M	S	M	M	M	S	M
CO ₅	M	M	S	S	M	S	M	S	M	S

PO – Programme Outcome, CO – Course outcome
 S – Strong , M – Medium, L – Low (may be avoided)

THIRUVALLUVAR UNIVERSITY, VELLORE – 632 115
M. A., Economics – 2022-2023 onwards

Semester: III Paper type: Major Elective Paper code: DDEEC 35A

Name of the Paper: Computer Applications in Economics Credit: 5

Total Hours per Week: 5 Lecture Hours: 45 Tutorial Hours: 1

Course Objectives

- ❖ To make the students to know the basic concepts of computer, usage of internet and its applications in economic analysis which will be useful to the social science research scholars in general and economic research scholars in particular.
- ❖ To work effectively with a range of current, standard, Office Productivity software applications.
- ❖ To demonstrate employability skills and a commitment to professionalism.
- ❖ To solve a range of problems using office productivity applications, and adapt quickly to new software releases.
- ❖ To maintain quality assurance through critically evaluating procedures and results.

Course Out Comes (five outcomes from each units should be mentioned)

CO1: After studied unit-1, the student will be able to know the basic concepts of Computer, Usage of Internet and Applications in Economics.

CO2: After studied unit-2, the student will be able to gain Knowledge and Awareness about Social Science Research and its importance today.

CO3: After studied unit-3, the student will be able to differentiate research in general and economic research in particular.

CO4: After studied unit-4, the student will be able to understand the special models and techniques of Economics.

CO5: After studied unit-5, the student will be able to explain the applications of computer technology and its impact on the Economy and Society.

Matching Table (Put Yes / No in the appropriate box)

Unit	i. Remembering	ii. Understanding	iii. Applying	iv. Analyzing	v. Evaluating	vi. Creating
1	Yes	Yes	Yes	No	Yes	Yes
2	Yes	No	Yes	Yes	Yes	No
3	Yes	Yes	No	No	No	Yes
4	Yes	No	Yes	Yes	Yes	No
5	Yes	Yes	No	No	No	Yes

Unit-1: Overview of Computer

(Teaching Hours: 8)

Basic operating instructions – Describing the data to RATS and Eviews software packages – SPSS – Reading the data – Computing statistics – Displaying the data – Data transformations and creating new series – Graphing the data.

Unit-2: Dealing with Data and Graphics

(Teaching Hours: 9)

The tools – Missing data – RATS format – Error messages – Familiarity with different data base such as PROWESS, Capital online, HBS, National Sample survey organisation reports, Census

data – National Health and Family Welfare reports – Displaying graphs on the screen – Printing graphs – labelling graphs - Multiple graphs on a page.

Unit-3: Linear Regression

(Teaching Hours: 9)

Annotated regression output – Extensions to linear regression; A framework – Heteroscedasticity – Serial correlation – Instrumental variables – Polynomial distributed lags – Choosing lag length information criteria – Grunfeld's investment equations.

Unit-4: Special Models and Techniques for Economics

(Teaching Hours: 10)

Vector Autogressions – Setting up a VAR – Testing lag length – Graphing an impulse response function – ARCH and related models – The standard models – Trouble about ARCH/GARCH models – EGARCH – GJR – Cross Section and Panel Data.

Unit-5: Application of Computer in Economics

(Teaching Hours: 9)

Electronic trading and marketing on line Shopping and Malls, G2G, G2B, B2C, C2G, and C2B models and their applications – Uses of SPSS package in social science research.

Internal Assessment Methods: refer instructions

Text book:

- ❖ Sushil Kumar Sharma., Mansi Bansal (2017), “Computer Applications in Business”, Taxmann's Publications, New Delhi.
- ❖ Nicholas Tsounis, Apsasia Vlachvei (2016), “Advances in Applied Economic Research”, Springer Publications, New York.
- ❖ Don E. Ethridge (2004), “Research Methodology in Applied Economics”, Black Well Publishing House, London.
- ❖ Aljaam, Jihad, El Saddik, Abdulmotaleb, Sadka Abdul(2018), “Recent Trends in Computer Applications”, Springer Publications, New Delhi.
- ❖ Hosoe M., Ju. B.G., Yakita, A. Hong K. (2019), “Contemporary Issues in Applied Economics”, Springer Publication, New York.
- ❖ Nicholas Tsounis, Apsasia Vlachvei (2017), “Advances in Panel Data Analysis in Applied Economic Research”, Springer Publications, New York.
- ❖ K. Dhanasekaran (2010) “Computer Applications In Economics” , Vrinda Publications, New Delhi.
- ❖ Rizwan Ahmed P (2002) “Computer Applications in Business and Management” Margham Publications, Tamil Nadu.
- ❖ Hem Chand Jain & Tiwari HN (2020) “Basic of Computer Applications in Business”, Taxmanns Publishers, New Delhi.

Reference Book:

- ❖ Su, W. (2014) Discussion on Application of Computer in Economic Management of Enterprise. Modern Economic Information, 109.
- ❖ Sun, T. (2014) Study on Application of Computer Technology in Management of Enterprise. Guide to Business, 64-65.
- ❖ Zeng, Q. and Huang, Q.H. (2014) The Empirical Study on Financing Governance of Computer Enterprise. Commercial Accounting, 105-106.
- ❖ Gu, J.Z. (2015) The Existing Problems and Strategies of Financing Governance of Computer Enterprise. Money China(Academic Edition), 102.
- ❖ Liu, J.J. (2013) Discussion on Application of Computer Technology in Modern Business Management. Private Science and Technology, 102.

- ❖ Li, N. (2013) About Application of Computer Technology in Enterprises. Electronic Technology and Software Engineering, 102.
- ❖ Chen, C. (2014) Exploration of Network Construction in Large-Sized Computer Enterprise. Technological Development of Enterprise, 78-80.
- ❖ Chai, B.Q. and Wang, H.Y. (2014) Research on Computer Application in Economic Management of Enterprise. Market Modernization, 126.
- ❖ Liu, H. (2013) About Application of Computer Technology in Enterprise's Material Management. Modern Economic information, 67.
- ❖ Du, Y.H. (2014) About Application of Computer Technology in Management of Enterprise. Digital Technology and Application, 216.

Course Material:

website links:

- ❖ <https://gacbe.ac.in/pdf/ematerial/18MEC24C-U1.pdf>
- ❖ <https://www.techwalla.com/articles/uses-of-computers-in-economics>
- ❖ <https://www.bbau.ac.in/dept/Economics/TM/Application%20of%20Computer%20in%20Economics.pdf>

e-Books :

- ❖ <https://www.gkpad.com/sachin/06-22/Computer-Applications-in-Economics.html>
- ❖ <http://www.freebookcentre.net/business-books-download/Computer-Applications-in-Business.html>
- ❖ https://www.researchgate.net/publication/348371827_Computer_Applications

e-journals :

- ❖ <https://ijariie.com/AdminUploadPdf/%E2%80%9CCOMPUTER APPLICATION IN ECONOMIC ANALYSIS%E2%80%9D C 1306.pdf>
- ❖ https://www.academia.edu/37472505/Role_of_Computer_Application_in_growth_of_Economics_and_Education
- ❖ <https://intl.siyavula.com/read/cat/grade-10-cat/concepts-of-computing/01-concepts-of-computing?id=ch1.5>

Mapping with Programme Outcomes

COs	PO ₁	PO ₂	PO ₃	PO ₄	PO ₅	PO ₆	PO ₇	PO ₈	PO ₉	PO ₁₀
CO ₁	M	S	M	S	S	M	M	S	S	M
CO ₂	S	M	S	M	S	S	S	M	S	M
CO ₃	M	M	S	S	M	S	S	S	M	S
CO ₄	S	S	M	M	S	M	M	M	S	M
CO ₅	M	M	S	S	M	S	M	S	M	S

PO – Programme Outcome, CO – Course outcome
 S – Strong, M – Medium, L – Low (may be avoided)

THIRUVALLUVAR UNIVERSITY, VELLORE – 632 115
M. A., Economics – 2022-2023 onwards

Semester: III Paper type: Major Elective Paper code: DDEEC 35B

Name of the Paper: Rural Economics Credit: 5

Total Hours per Week: 5 Lecture Hours: 45 Tutorial Hours: 1

Course Objectives

- ❖ To get an exposure to a new rural area and the socio-economic condition of people.
- ❖ To provide knowledge from ancient to modern agricultural practices.
- ❖ To face the rural reality during the rural living and learning experience.
- ❖ To detailed knowledge on various agri-business activities.
- ❖ To improve productivity and wages of rural people.

Course Out Comes (five outcomes from each units should be mentioned)

CO₁: After studied unit-1, the student will be able to learn about transformation in rural economies.

CO₂: After studied unit-2, the student will be able to appraise the development of rural economies.

CO₃: After studied unit-3, the student will be able to assess the effectiveness of policies for rural development.

CO₄: After studied unit-4, the student will be able to know the role played by rural innovations in transforming rural societies.

CO₅: After studied unit-5, the student will be able to understand the role of micro small and medium enterprises in India.

Matching Table (Put Yes / No in the appropriate box)

Unit	i. Remembering	ii. Understanding	iii. Applying	iv. Analyzing	v. Evaluating	vi. Creating
1	Yes	Yes	Yes	No	Yes	Yes
2	Yes	No	Yes	Yes	Yes	No
3	Yes	Yes	No	No	No	Yes
4	Yes	No	Yes	Yes	Yes	No
5	Yes	Yes	No	No	No	Yes

Unit-1: Rural Economy (Teaching Hours: 8)

Rural Economy: rural social structure; rural dynamics: structural transformations; response to changing Agrarian Economy; Rural Farm and Non-Farm Sector: Employment and Barriers; Rural Employment Generation Programmes: NRLM, MGNREGA; Rural Development Policies.

Unit-2: Rural Development (Teaching Hours: 9)

Approaches to understand rural development: Rapid Rural Appraisal (RRA) and Participatory Rural Appraisal (PRA); Sustainable Rural development, Technology for rural growth: ICT, mobile, successful programmes; Business Markets for village economy

Unit-3: Planning for Rural Development**(Teaching Hours: 9)**

Planning for Rural Development: levels, functions, decentralization, methodology of micro-level planning - Organizations for rural development: criteria, government organisations, PRIs, Cooperatives, Voluntary Agencies/NGOs, Corporations; Community Capacity Building, Common Property Resources.

Unit-4: Rural Entrepreneurship**(Teaching Hours: 10)**

Rural Entrepreneurship: role, programmes, role of institutions, Agripreneurship; Rural Innovations; Micro-Finance Institutions (MFIs): role of MFIs, Self Help Groups.

Unit-5: Micro, Small and Medium Enterprises**(Teaching Hours: 9)**

Micro, Small and Medium Enterprises in Rural India; Rural and micro Insurance; Rural Industrialization

Internal Assessment Methods: refer instructions**Text book:**

- ❖ Churchill, Craig (2006). Protecting the poor: A micro insurance compendium, International Labour Office, Geneva.
- ❖ Government of India (n.d.) MSME at a Glance, Ministry of Micro, Small and Medium Enterprises. 3. IDFC Rural Development Network (2013). India Rural Development Report 2012/13. Delhi: Orient Black Swan.
- ❖ Jodhka, S.S. (2012). Village Society, Orient BlackSwan.
- ❖ Jodhka, S.S. (2018). A Handbook of Rural India (Readings on the Economy, Polity and Society), Orient BlackSwan.
- ❖ Lazaro, E., Agergaard, J., Larsen, M. N., Makindara, J., & BirchThomsen, T. (2018). Urbanisation in Rural Regions: The Emergence of Urban Centres in Tanzania. The European Journal of Development Research, 1-23.
- ❖ Narula, U. (2010). Dynamics of Indian Rural Economy: Growth Perspective, Atlantic Publishers, New Delhi.
- ❖ Das Kartick (2017) "Rural Economy", Discovery Publishing House Pvt Ltd., New Delhi.
- ❖ Debarshi Mukherjee, Rajesh Chatterjee, Sudakhina Mitra (2022) "Rural Livelihood Development in Tripura- An Mgnregs Experience", Kaveri Books, Tripura.
- ❖ Tahir Hussain, Mary Tahir, Riya Tahir (2019) "Fundamentals of Rural Development", Wiley India Pvt. Ltd., New Delhi.
- ❖ Meenakshi Bharatnoor (2022) "Rural Development And Socio-Economic Change", CurrentPublication, New Delhi.

Reference Book:

- ❖ Reddy, K. V. (2012). Agriculture and Rural Development, Himalaya Publishing House.
- ❖ Schaeffer, P.V. and Loveridge, S. (2000). Small Town and Rural Economic Development: A case studies Approach, Praeger Publisher.
- ❖ Singh, B.M. and Namboodiri, KVN (2007). Unleashing Rural Entrepreneurship, ICFAI University Press, Hyderabad.
- ❖ Singh, K. (2009). Rural Development: Principles, Policies and Management, Sage Publications.
- ❖ Parthasarathy, G. (2003). Economic Reforms and Rural Development in India. Academic Foundation.
- ❖ Mukherjee, A., (2004). Participatory rural appraisal: methods and applications in rural planning: essays in honour of Robert Chambers (Vol. 5). Concept Publishing Company.

- ❖ Dogra Balram, Karminder Ghuman (2007) “Rural Marketing: Concepts and Practices”, McGraw Hill Education, New Delhi.
- ❖ Meena R. C. (2010) “Indian Rural Economy”, Shree Niwas Publications, New Delhi.
- ❖ Arya J. P. (2014) “Indian Rural Economy”, DND Publications, New Delhi.
- ❖ Berkeley Hill (2005) “The New Rural Economy: Change, Dynamism and Government Policy”, Institute Of Economic Affairs, New York.

Course Material:

website links:

- ❖ <https://www.ilo.org/global/topics/economic-and-social-development/rural-development/lang--en/index.htm>
- ❖ <https://www.itcilo.org/courses/training-rural-economic-empowerment>
- ❖ <https://projects.worldbank.org/en/projects-operations/project-detail/P170215>

e-Books :

- ❖ <https://www.kobo.com/in/en/ebook/rural-economics-and-development>
- ❖ <https://www.amazon.in/Economics-Rural-Development-Sem-III-II-ebook/dp/B08KSBH7FF>
- ❖ <https://www.amazon.in/Introduction-Agricultural-Economics-S-Singh-ebook/dp/B07CG6L6DJ>

e-journals :

- ❖ <https://mysubs.in/category/management-studies-mba-journal-subscription>
- ❖ <https://www.sciencedirect.com/journal/journal-of-rural-studies>
- ❖ <https://onlinelibrary.wiley.com/journal/14779552>

Mapping with Programme Outcomes

COs	PO ₁	PO ₂	PO ₃	PO ₄	PO ₅	PO ₆	PO ₇	PO ₈	PO ₉	PO ₁₀
CO ₁	M	S	M	S	S	M	M	S	S	M
CO ₂	S	M	S	M	S	S	S	M	S	M
CO ₃	M	M	S	S	M	S	S	S	M	S
CO ₄	S	S	M	M	S	M	M	M	S	M
CO ₅	M	M	S	S	M	S	M	S	M	S

PO – Programme Outcome, CO – Course outcome
 S – Strong , M – Medium, L – Low (may be avoided)

THIRUVALLUVAR UNIVERSITY, VELLORE – 632 115
M. A., Economics – 2022-2023 onwards

Semester: III

Paper type: Major Elective

Paper code: DDEEC 35C

Name of the Paper: Labour Economics

Credit: 5

Total Hours per Week: 5

Lecture Hours: 45

Tutorial Hours: 1

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Course Objectives

- ❖ The main objective of this subject is to study the concepts and issues relating to labour economics and industrial relations in the contemporary economic issues.
- ❖ To acquaint students with the contribution of labour in the process of capitalist development.
- ❖ To diverse labour relations in urban and rural settings under capitalism.
- ❖ To understand the crucial role of women in the process of production.
- ❖ To understand the functioning and dynamics of the markets for wage labour.

Course Out Comes (five outcomes from each units should be mentioned)

CO1: After studied unit-1, the student will be able to study the concept and issues relating to labour economics and its significant.

CO2: After studied unit-2, the student will be able to gain knowledge about industrial relations in the contemporary economic issues and challenges.

CO3: After studied unit-3, the student will be able to understand the nature of Indian Labours and their problems and prospects.

CO4: After studied unit-4, the student will be able to explain the child labour and female labour employment and its related concepts.

CO5: After studied unit-5, the student will be able to analyze collective bargaining adjustment and its associated concepts.

Matching Table (Put Yes / No in the appropriate box)

Unit	i. Remembering	ii. Understanding	iii. Applying	iv. Analyzing	v. Evaluating	vi. Creating
1	Yes	Yes	Yes	No	Yes	Yes
2	Yes	No	Yes	Yes	Yes	No
3	Yes	Yes	No	No	No	Yes
4	Yes	No	Yes	Yes	Yes	No
5	Yes	Yes	No	No	No	Yes

Unit-1: Introduction

(Teaching Hours: 8)

Labour Economics – Labour as a unique factor of production – Labour market – Disequilibrium between demand and supply for labour – Labour market analysis – Determinants of demand for and supply of labour – Problems of labour market – Migratory, casual, consequences of new information technology.

Unit-2: Problems and Efficiency of Indian Labour **(Teaching Hours: 9)**

Efficiency of Indian labour and effort to improve nature, causes and measures to solve problems of unemployment and underemployment – Employment policy – Problems of agricultural

labour, Child labour and Female labour employment – Role of employment exchange – Vocational training – Manpower planning.

Unit-3: Economic Reforms and Labour Laws (Teaching Hours: 9)

Employees remuneration – Wage structure in India – Wage differentials – Theories of wages – Recent Wage Act – Recent trends in labour laws.

Unit-4: Trade Unionism (Teaching Hours: 10)

Concept of Trade Unionism – Trade union developments in India and their present position – Industrial relations – Industrial conflicts and disputes - Preventive and remedial measures – Industrial Act 1947 and its amendments - Workers’ participation in management – Collective bargaining – Adjudication and arbitration – The present state of industrial relation in India.

Unit-5: Social Security Measures (Teaching Hours: 9)

Meaning of social security – ILO and social security – Social security measures in India - Employees State Insurance Act 1948 – Employees Provident Funds Act 1952 – Public Provident Funds Act 1968 – Subsequent developments – Recent Social security measures in India and Tamil Nadu.

Internal Assessment Methods: refer instructions

Text book:

- ❖ Ehrenberg R. and Smith Rob, (2018), “Modern Labour Economics – Theory and Public Policy”, Pearson Education, Singapore.
- ❖ McConnell, C.R. and S.L. Brue (2017), “Contemporary Labour Economics”, McGraw Hill, New York.
- ❖ Bauder Harold, (2016), “Labour Movement - How Migration Relates labour Markets”, OUP, USA.
- ❖ Kaufman B.E. and Hotchkiss J.L. (2015), “Labour Market Economics”, Cengage Learning, India.
- ❖ Reynolds L.G. (2018), “Labour Economics and Labour Relations”, Prentice Hall, USA.
- ❖ McConnell, Capbell.R., and Stanley.L.Brue (2016), “Contemporary Labour Economics”, McGraw-Hill Book Co., Ltd., Singapore.
- ❖ Helfgott (2014), “Labour Economics”, Random House Publications, New York.
- ❖ Kamik, V.B., (2016), “Indian Trade Union: A Survey”, Allied Publishers, Pvt. Ltd., Mumbai.
- ❖ Kadukar P.M. (2021) “Fundamentals of Labour Economics”, Himalaya Publishing House, New Delhi.
- ❖ Chakraborty S. (2018) “Labour Economics”, Himalaya Publishing House Pvt. Ltd., New Delhi.

Reference Book:

- ❖ Borjas G.J. (2011), “Labour Economics”, McGraw-Hill, New York.
- ❖ Reynolds, Lloyd. (2012), “Labour Economics and Labour Welfare”, Prentice-Hall of India Pvt. Ltd., New Delhi.
- ❖ Pierre C (2015) “Labor Economics”, Prentice Hall India Learning Private Limited, New Delhi.
- ❖ Sharma A K (2006) “Labour Economics”, Anmol Publications Pvt. Ltd., New Delhi.
- ❖ William Alexander Darity Jr. (2011) “Labor Economics: Modern Views”, Springer, London.
- ❖ Ramaswamy K. V. (2015) “Labour, Employment and Economic Growth in India”, Cambridge University Press, Cambridge.
- ❖ M.S. Chauhan (2011) “Labour Economics Issues & Policy”, Global Publications, New Delhi.
- ❖ George Borjas (2015) “Labor Economics”, McGraw Hill, New Delhi.
- ❖ Deborah C. England Attorney (2021) “Essential Guide to Handling Workplace Harassment & Discrimination”, NOLO Publishers, London.

- ❖ Dave Young (2021) “120 Sample Write-Ups for Employee Performance Problems: A Manager’s Guide to Documenting Reviews and Providing Appropriate Discipline”, GTM Press LLC, Mumbai.

Course Material:

website links:

- ❖ <http://iamrindia.gov.in/>
- ❖ <https://www.unibo.it/en/teaching/course-unit-catalogue/course-unit/2021/368098>
- ❖ <https://www.cesifo.org/en/event/2022-05-27/cesifo-area-conference-labor-economics-2022>

e-Books :

- ❖ <https://www.pinterest.com/pin/ebook-pdf-contemporary-labor-economics-12th-edition-in-2022--1093811828220225224/>
- ❖ <https://www.amazon.in/Handbook-Labor-Economics-Orley-Ashenfelter-ebook/dp/B00PQJTQSW>
- ❖ <https://www.routledge.com/Routledge-Studies-in-Labour-Economics/book-series/RSLE>

e-journals :

- ❖ <https://www.sciencedirect.com/journal/labour-economics>
- ❖ <http://www.isleijle.org/>
- ❖ <https://www.springer.com/journal/41027>

Mapping with Programme Outcomes

COs	PO ₁	PO ₂	PO ₃	PO ₄	PO ₅	PO ₆	PO ₇	PO ₈	PO ₉	PO ₁₀
CO ₁	M	S	M	S	S	M	M	S	S	M
CO ₂	S	M	S	M	S	S	S	M	S	M
CO ₃	M	M	S	S	M	S	S	S	M	S
CO ₄	S	S	M	M	S	M	M	M	S	M
CO ₅	M	M	S	S	M	S	M	S	M	S

PO – Programme Outcome, CO – Course outcome
 S – Strong, M – Medium, L – Low (may be avoided)

THIRUVALLUVAR UNIVERSITY, VELLORE – 632 115**M. A., Economics – 2022-2023 onwards****Semester: III Paper type: Non-Major Elective Paper code: DDOEC 36 A****Name of the Paper: Economics of Farm Management Credit: 5****Total Hours per Week: 5 Lecture Hours: 45 Tutorial Hours: 1****Course Objectives**

- ❖ To manage the farm business in an effective manner.
- ❖ To produce agricultural products efficiently.
- ❖ To market agricultural products economically.
- ❖ To develop and maintain a happy and satisfactory farm home.
- ❖ To prepare the students with the methodology of decision making using the concepts of microeconomics.

Course Out Comes (five outcomes from each units should be mentioned)

CO1: After studied unit-1, the student will be able to understand the details of farm management in agricultural economics perspectives.

CO2: After studied unit-2, the student will be able to explain the principles of farm management and its importance.

CO3: After studied unit-3, the student will be able to elucidate the farm management planning and its related concepts.

CO4: After studied unit-4, the student will be able to gain knowledge on uncertainty and risk management.

CO5: After studied unit-5, the student will be able to gain knowledge on research relating to farm management.

Matching Table (Put Yes / No in the appropriate box)

Unit	i. Remembering	ii. Understanding	iii. Applying	iv. Analyzing	v. Evaluating	vi. Creating
1	Yes	Yes	Yes	No	Yes	Yes
2	Yes	No	Yes	Yes	Yes	No
3	Yes	Yes	No	No	No	Yes
4	Yes	No	Yes	Yes	Yes	No
5	Yes	Yes	No	No	No	Yes

Unit-1: Farm Management**(Teaching Hours: 8)**

Meaning and Definition – Scope – Objectives – Farm Management Decision – Agricultural Economics and Farm Management.

Unit-2: Principles of Farm Management**(Teaching Hours: 9)**

Terms of Farm Management – Law of Diminishing Returns – Principles of Factor and Product Substitution – Equi- Marginal Returns- Cost – Principle – Opportunity Cost – Minimum Loss – Comparative Advantage and time Comparison Principles.

Unit-3: Farm Management Planning**(Teaching Hours: 9)**

Types of Farming – Need for Farm Planning – Characteristics of Good Farm Planning – Limitations of Farm Budgeting – Farm Enterprises Budget – Partial and complete Budgeting.

Unit-4: Uncertainty and Risk Management**(Teaching Hours: 10)**

Concepts of Uncertainty – Uncertainty in Farming – Need for Farm Efficiency – Physical and Financial Efficiency Measure – Land , Labour and Capital Management – Sources of Risk – Measurement of Expectations and Variation – Measures to Manage Farm Risk.

Unit-5: Research and Farm Management**(Teaching Hours: 9)**

Farm Survey – Collection and Analysis of Data – Presentation of Findings – Application of Farm Management Analysis in Developing Countries – Research Techniques – Dynamic Programming and Quadratic Risk Programming – Usefulness for Better Farming – Drone development Analysis.

Internal Assessment Methods: refer instructions**Text book:**

- ❖ Asha Gupta , Vijay Laxmi Saxena (2015), “Integrated Farm Management”, Aavishkar Publishers, New Delhi.
- ❖ Arnold Jacob Hiram (2018), “Farm Management”, Palala Press, London.
- ❖ Bilgrami, S.A.R., (1996), “Agricultural Economics”, Himalaya Publishing House, Delhi.
- ❖ Peter L. Nuthall (2016), “Farm Business Management”, Cabi Publications, New York.
- ❖ Raju. V.T.(2017), “Economics of Farm Production and Management”, Oxford & IBH Publishing Co. Pvt., Ltd., New York.
- ❖ J. M. Dhaka (2010), “Economics of Agricultural Production and Farm Management”, Aaviskar Publishing House, New Delhi.
- ❖ Soni, R.N., (1995), “Leading Issues in Agricultural Economics”, Arihant Press, Jalandhar.
- ❖ Kent D. Olson (2015) “Economics of Farm Management in a Global Setting”, Wiley India, New Delhi.
- ❖ Rout R.K (2021) “A Text Book of Farm Management, Production and Resource Economics”, Kalyani Publishers, Delhi.
- ❖ Raju V.T (2017) “Economics of Farm Production and Management”, Oxford & IBH Publishing Co Pvt. Ltd., Oxford.

Reference Book:

- ❖ Olson et.al (2015) “Economics Of Farm Management In A Global Setting”, John Wiley, New York.
- ❖ Reddy S.S (2015) “Agricultural Economics”, Oxford & IBH Publishing Co Pvt. Ltd., Oxford.
- ❖ Sandhu AS, Anoop Singh Sandhu (2009) “Text Book On Agricultural Communication Process And Methods”, CBS Publishers and Distributors Pvt. Ltd. Delhi.
- ❖ Nirmal K., Ravi kumar (2018) “Objective Agricultural Economics”, Daya Publications, Delhi.
- ❖ Sai Prasad S V (2017) “Agricultural Economics”, Vishal Publication, New Delhi.
- ❖ Singh A.K, Sai Prasad S.V., Dhaka B.L., Abdul Wasim, Dupare B.U.(2014) “Agricultural Extension”, New Vishal Publications, Delhi.
- ❖ Naveen Kuma Thoms Felix K (2020) “An outline of agricultural economics”, Jain Brothers Publishers, New Delhi.
- ❖ Muniraj Singh Rathore (2021) “General Agriculture”, J N B Publications, New Delhi.
- ❖ Nem Raj Sunda (2021) “Basic Agriculture”, Surahee Publications, New Delhi.

- ❖ Reddy G.H. Shankara, Reddy T. Yallamanda)Nem Raj Sunda (2021) “Principles of Agronomy”, Kalyani Publishers, Delhi.

Course Material:

Website links:

- ❖ <https://www.fao.org/3/w7365e/w7365e05.htm>
- ❖ https://www.researchgate.net/publication/269761886_Economics_for_farm_management_extension
- ❖ <https://agrimoon.com/wp-content/uploads/Production-Economics-Farm-Management.pdf>

e-Books :

- ❖ <https://www.amazon.in/Economics-Farm-Production-Management-V-T-ebook/dp/B08F7Q91PZ>
- ❖ <https://www.routledge.com/The-Economics-of-Farm-Management-A-Global-Perspective/Olson-Westra/p/book/9781032247946>
- ❖ <https://agrimoon.com/production-economics-farm-management-icar-ecourse-pdf-book/>
- ❖ <https://www.booktopia.com.au/the-economics-of-farm-management-kent-olson/ebook/9781000570359.html>

e-journals :

- ❖ <https://onlinelibrary.wiley.com/journal/14779552>
- ❖ <https://docs.lib.purdue.edu/jafe/>
- ❖ <https://www.indianjournals.com/ijor.aspx?target=ijor:fam&type=home>

Mapping with Programme Outcomes

COs	PO ₁	PO ₂	PO ₃	PO ₄	PO ₅	PO ₆	PO ₇	PO ₈	PO ₉	PO ₁₀
CO ₁	M	S	M	S	S	M	M	S	S	M
CO ₂	S	M	S	M	S	S	S	M	S	M
CO ₃	M	M	S	S	M	S	S	S	M	S
CO ₄	S	S	M	M	S	M	M	M	S	M
CO ₅	M	M	S	S	M	S	M	S	M	S

PO – Programme Outcome, CO – Course outcome
 S – Strong, M – Medium, L – Low (may be avoided)

THIRUVALLUVAR UNIVERSITY, VELLORE – 632 115**M. A., Economics – 2022-2023 onwards****Semester: III Paper type: Non-Major Elective Paper code: DDOEC 36 B****Name of the Paper: Economics of Infrastructure Credit: 5****Total Hours per Week: 5 Lecture Hours: 45 Tutorial Hours: 1****Course Objectives**

- ❖ To gain basic understanding about Infrastructure sector.
- ❖ To provide students with a thorough grounding in the key concepts of Infrastructure economics.
- ❖ To illustrate how these concepts and standard economic tools can be used to analyse Infrastructure-related Theory and policy issues.
- ❖ To be able to apply this knowledge to the analysis of specific infrastructure economics issues in India
- ❖ To provide a lot of employment generation and employment opportunities.

Course Out Comes (five outcomes from each units should be mentioned)

CO₁: After studied unit-1, the student will be able to expose to the concepts and models related to Infrastructure.

CO₂: After studied unit-2, the student will be able to understand basic Economics theories and models required for infrastructure sector understanding.

CO₃: After studied unit-3, the student will be able to demonstrate clear understanding of concepts Infrastructure economics and policy

CO₄: After studied unit-4, the student will be able to exhibit the ability to integrate technical, economic, social and regulatory frameworks for Infrastructure sector planning and resource management.

CO₅: After studied unit-5, the student will be able to gain knowledge on Measures to improve Electricity, Gas and Water Supply.

Matching Table (Put Yes / No in the appropriate box)

Unit	i. Remembering	ii. Understanding	iii. Applying	iv. Analyzing	v. Evaluating	vi. Creating
1	Yes	Yes	Yes	No	Yes	Yes
2	Yes	No	Yes	Yes	Yes	No
3	Yes	Yes	No	No	No	Yes
4	Yes	No	Yes	Yes	Yes	No
5	Yes	Yes	No	No	No	Yes

Unit-1: Infrastructure and Economic Development (Teaching Hours: 8)

Meaning and Definition of Infrastructure – Types – Economic and Social Infrastructure – Approaches to Infrastructure – Traditional and Modern Approaches – Infrastructure and Economic Development.

Unit-2: Infrastructure and Public Utilities**(Teaching Hours: 9)**

Infrastructure as a Public Good – Special Characteristics of Public Utilities – Performance of Education, Health and Housing in India – Marginal Cost Pricing in Public Utilities – Cost Subsidization – Free Prices, Equity and Efficiency.

Unit-3: Economics of Transportation and Communications **(Teaching Hours: 9)**

Sources and Importance of Transportation and Location of Economic Activities – Performance of Railways in India – Importance of Communication – New Telecom Policy – 1999 – Telephone Regulatory Authority of India (TRAI) Telecommunications in Rural India.

Unit-4: Economics of Energy**(Teaching Hours: 10)**

Energy Needs of India – Importance of Energy in Economic Development – Factors Determining the Demand for Energy – Sources of Energy – Renewable and Non-Renewable Sources – Trends in the Production and Consumption of Commercial Energy – Energy Crisis – Measures to Tackle the Energy Problem in India.

Unit-5: Electricity, Gas and Water Supply**(Teaching Hours: 9)**

Sources of Electricity – Thermal – Hydel – Nuclear – Growing Importance of Wind and Solar Energy – Production and Consumption of Natural Gas – Rural Drinking Water – Measures to improve Electricity, Gas and Water Supply.

Internal Assessment Methods: refer instructions**Text book:**

- ❖ Economic Survey of India (2019), Government of India, New Delhi.
- ❖ Economic Survey of India (2018), Government of India, New Delhi.
- ❖ Economic Survey of India(2017), Government of India, New Delhi.
- ❖ Economic Survey of India(2014), Government of India, New Delhi.
- ❖ Claudio Ferrari, Anna Bottasso(2018), “Economic Role of Transport Infrastructure”, Elsevier Publications, New York.
- ❖ L.N. Dash (2018), “Infrastructure Development and Indian Economy”, Regal Publications, New Delhi.
- ❖ L.N. Dash (2019), “Economics of Infrastructure- Growth and Development”, Regal Publications, New Delhi.
- ❖ Crow, M.A. and R.D. Kleindorfer, (1979), “Public Utility Economics”, Macmillan, London.
- ❖ Batten D. F., Karlsson C. (2021) “Infrastructure and the Complexity of Economic Development”, Springer-Verlag Berlin and Heidelberg GmbH & Co. KG, New York.
- ❖ Goodman, Alvin, Hastak, Makarand (2015) “Infrastructure Planning, Engineering and Economics”, McGraw-Hill Education, New Delhi.

Reference Book:

- ❖ Nelson, J.R., (1964), “Marginal Cost Pricing in Practice”, Prentice Hall, England – Cliffs.
- ❖ Philips, A and O.F. Williamson (Eds), (1967), “Prices: Issues in Theory, Practice and Public Policy”, University of Pennsylvania Press, Philadelphia.
- ❖ Kneafsey, J.T., (1975), “Transportation Economic Analysis”, Lexington Books, Toronto.
- ❖ Aronofsky, J.A and M.Shakum, Eds, (1978), “Energy Policy”, North Holland, Amsterdam.
- ❖ Macrakis, MS.Ed., (1974), “Energy Demand Conservation and Institution Problems”, Macmillan, London.
- ❖ Nordhavs, W.P., Ed., (1974), “International studies of the demand for energy”, North Holland, Amsterdam.

- ❖ Pachauri, R.K., Ed., (1989), “Energy Policy for India”, Macmillan Co. of India, Delhi.
- ❖ Turvey, R and D. Anderson, (1977), “Electricity Economics”, John Hopkins, Baltimore.
- ❖ ICSSR (1976) “Economics of Infrastructure”, Vol. VI, New Delhi.
- ❖ Kneafsey, J.T. (1975) “Transportation Economic Analysis”, Lexington, Toronts.

Course Material:

Website links:

- ❖ <https://mitpress.mit.edu/books/economics-infrastructure-provisioning>
- ❖ <https://www.amazon.in/Infrastructure-Economic-Development-Comparative-Malaysia/dp/812611794X>
- ❖ <https://www.igi-global.com/book/strategic-infrastructure-development-economic-growth/118213>

e-Books :

- ❖ <https://www.igi-global.com/book/strategic-infrastructure-development-economic-growth/118213>
- ❖ <https://www.amazon.in/Infrastructure-Economics-Barun-Kumar-ebook/dp/B014HK4PX6>
- ❖ <https://mitpress.mit.edu/books/economics-infrastructure-provisioning>

e-journals :

- ❖ <https://econpapers.repec.org/article/saejouinf/>
- ❖ <https://journals.sagepub.com/home/jie>
- ❖ <https://www.springer.com/journal/11067>

Mapping with Programme Outcomes

COs	PO ₁	PO ₂	PO ₃	PO ₄	PO ₅	PO ₆	PO ₇	PO ₈	PO ₉	PO ₁₀
CO ₁	M	S	M	S	S	M	M	S	S	M
CO ₂	S	M	S	M	S	S	S	M	S	M
CO ₃	M	M	S	S	M	S	S	S	M	S
CO ₄	S	S	M	M	S	M	M	M	S	M
CO ₅	M	M	S	S	M	S	M	S	M	S

PO – Programme Outcome, CO – Course outcome
 S – Strong, M – Medium, L – Low (may be avoided)

THIRUVALLUVAR UNIVERSITY, VELLORE – 632 115**M. A., Economics – 2022-2023 onwards****Semester: III Paper type: Non-Major Elective Paper code: DDOEC 36 C****Name of the Paper: Issues in Indian Fiscal Policy Credit: 5****Total Hours per Week: 5 Lecture Hours: 45 Tutorial Hours: 1****Course Objectives**

- ❖ To achieve and maintain the level of full employment in the country.
- ❖ To stabilize the growth rate in the economy.
- ❖ To promote the economic development in a country.
- ❖ To maintain the level of balance of payment in the economy.
- ❖ To make the students familiar with the intricacies of the Indian fiscal policy issues and appreciate better the need, design and implementation of the fiscal reforms in India.

Course Out Comes (five outcomes from each units should be mentioned)

CO₁: After studied unit-1, the student will be able to provide the basic understanding of the conceptual and theoretical issues relating to Indian Fiscal Policy.

CO₂: After studied unit-2, the student will be able to design to equip the students with practical aspects and applications in the Indian Context.

CO₃: After studied unit-3, the student will be able to understand the Indian fiscal situation and policy in view of the frequent situations of fiscal Mismanagement.

CO₄: After studied unit-4, the student will be able to phase of economic transition breaking away from the traditional closed and regulated Policy regime.

CO₅: After studied unit-5, the student will be able to understand the issues relating to tax policy and its reforms.

Matching Table (Put Yes / No in the appropriate box)

Unit	i. Remembering	ii. Understanding	iii. Applying	iv. Analyzing	v. Evaluating	vi. Creating
1	Yes	Yes	Yes	No	Yes	Yes
2	Yes	No	Yes	Yes	Yes	No
3	Yes	Yes	No	No	No	Yes
4	Yes	No	Yes	Yes	Yes	No
5	Yes	Yes	No	No	No	Yes

Unit-1: Role of Government**(Teaching Hours: 8)**

Role of Government in Indian economy. Constitutional Objectives – Structure of Indian Fiscal Administration – Three-tier government – Constitutional arrangements. Revenue and Expenditure allocations, NITI Aayog and Finance Commissions.

Unit-2: Public Expenditure**(Teaching Hours: 9)**

Structure and Composition of public expenditure in India.

Unit-3: Tax policy**(Teaching Hours: 9)**

Issues in Tax policy: Central government. Individual income tax, corporate tax, Central Excise, Customs and Service taxes – GST - In each case, history and evolution, basic structure, revenue productivity, efficiency measures, issues in implementation and compliance.

Unit-4: Issues in Tax policy**(Teaching Hours: 10)**

State government. Sales tax, State Excise, VAT - SGST - In each case, history and evolution, basic structure, revenue productivity, efficiency measures, issues in implementation and compliance.

Unit-5: Non-tax revenue policy**(Teaching Hours: 9)**

Issues in Non-tax revenue policy – Cost recoveries on public utilities such as power, roads and irrigation - Issues in Indian Federal Fiscal Relations – Peculiarities and problems of Federal finance in India - Fiscal Reform movement in India – Tax Reforms and their implementation – Debt management.

Internal Assessment Methods: refer instructions**Text book:**

- ❖ Ambirajan, S. (1964), The Taxation of Corporate Income in India, Asia Publishing House, Bombay.
- ❖ Bagchi A, Bajaj J.L, and Byrd W. (ed) (1992), State Finances in India, Vikas Publishing, New Delhi.
- ❖ Bagchi, A. et al (1994), Reform of Domestic Trade Taxes in India: Issues and Options, National Institute of Public Finance and Policy, New Delhi.
- ❖ Bhagwati, J.N., and Desai, P. (1970), India: Planning for Industrialization, Oxford.
- ❖ Chawla, O.P. (1972), Personal Taxation in India 1947-1970, Somaiya Publishing Private Ltd, New Delhi.
- ❖ Chelliah, R.J. (1960), Fiscal Policy in Underdeveloped Country, Allen and Unwin.
- ❖ Chelliah, R.J. (1978), Trends and Issues in Indian Federal Finance, National Institute of Public Finance and Policy, New Delhi.
- ❖ Government of India (1967), Committee on Rationalization and Simplification of the Tax Structure, Final Report, New Delhi.
- ❖ Naseer Ahmed Khan (2017) “Challenges and Issues in Indian Fiscal Federalism”, Springer, New York.
- ❖ Supriyo De (2017) “India's Fiscal Policy Prescriptions, Pragmatics and Practice”, Cambridge University Press, Cambridge.

Reference Book:

- ❖ Government of India (1992), Tax Reforms Committee, Interim and Final Reports [Chairman: R J Chelliah], New Delhi.
- ❖ Government of India (1994), Report of the Tenth Finance Commission [Chairman: A.M. Khusro], New Delhi.
- ❖ Government of India (1995), Report of the Committee of State Finance Ministers on Sales Tax Reform, National Institute of Public Finance & Policy.
- ❖ Gulati, I.S. (1957), Capital Taxation in a Developing Economy, Orient Longman, Calcutta.
- ❖ Kopits, G. (2001). ‘Fiscal Responsibility Rules for India’, Economic & Political Weekly, March 3.
- ❖ Kurian, N.J. (1999), ‘State Government Finances A Survey of Recent Trends’, Economic & Political Weekly, May 8.
- ❖ Premchand, A. (1966), Control of Public Expenditure in India, Allied Publications, Bombay.
- ❖ Reddy, K.N. (1972), The Growth of Public Expenditure in India, Sterling Publications, New Delhi.

- ❖ Toye, J.M. (1981), Public Expenditure and Indian Development Policy 1960-1970, Cambridge University Press, London.
- ❖ Praveen Jha K (2011) “Progressive Fiscal Policy in India”, Sage India, New Delhi.

Course Material:

Website links:

- ❖ <https://www.indiabudget.gov.in/economicsurvey/doc/eschapter/echap02.pdf>
- ❖ <https://www.imf.org/en/Topics/imf-and-covid19/Fiscal-Policies-Database-in-Response-to-COVID-19>
- ❖ <https://www.imf.org/en/Topics/imf-and-covid19/Fiscal-Policies-Database-in-Response-to-COVID-19>

e-Books :

- ❖ <https://www.amazon.in/Progressive-Fiscal-Policy-India-Praveen-ebook/dp/B01LZGK0RH>
- ❖ <https://link.springer.com/book/10.1007/978-981-10-6217-9>
- ❖ <https://www.kobo.com/in/en/ebook/progressive-fiscal-policy-in-india>

e-journals :

- ❖ <https://journals.sagepub.com/doi/abs/10.1177/2277978721989929>
- ❖ <https://www.adb.org/sites/default/files/publication/156104/adbi-wp249.pdf>
- ❖ https://www.researchgate.net/publication/348868789_An_Assessment_of_Research_Trends_on_FISCAL_POLICY

Mapping with Programme Outcomes

COs	PO ₁	PO ₂	PO ₃	PO ₄	PO ₅	PO ₆	PO ₇	PO ₈	PO ₉	PO ₁₀
CO ₁	M	S	M	S	S	M	M	S	S	M
CO ₂	S	M	S	M	S	S	S	M	S	M
CO ₃	M	M	S	S	M	S	S	S	M	S
CO ₄	S	S	M	M	S	M	M	M	S	M
CO ₅	M	M	S	S	M	S	M	S	M	S

PO – Programme Outcome, CO – Course outcome
 S – Strong, M – Medium, L – Low (may be avoided)

THIRUVALLUVAR UNIVERSITY, VELLORE – 632 115
M. A., Economics – 2022-2023 onwards

Semester: III

Paper type: Mooc Course - I

Paper code: DMOEC 37

Name of the Paper: -----

Credit: -----

Total Hours per Week: ----- Lecture Hours: 8 Weeks

Tutorial Hours: 1

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Course Objectives

- ❖ MOOCs integrate social networking, accessible online resources, and are facilitated by leading practitioners in the field of study. Most significantly, MOOCs build on the engagement of learners who self-organize their participation according to learning goals, prior knowledge and skills, and common interests.

Course Out Comes (five outcomes from each units should be mentioned)

CO₁: After studied unit-1, the student will be able to gain a taster experience for a full degree programme.

CO₂: After studied unit-2, the student will be able to courses are flexible, you can start now and study at your own pace.

CO₃: After studied unit-3, the student will be able to being able to register for free and many MOOCs are free certificate courses.

CO₄: After studied unit-4, the student will be able to engage and feedback with your fellow learners.

CO₅: After studied unit-5, the student will be able to deadlines are flexible according to your schedule.

**MOOC COURSES (Students to choose one course from SWAYAM/NPTEL/
 STANFORD, MIT AND HARVARD).**

Matching Table (Put Yes / No in the appropriate box)

Unit	i. Remembering	ii. Understanding	iii. Applying	iv. Analyzing	v. Evaluating	vi. Creating
1	Yes	Yes	Yes	No	Yes	Yes
2	Yes	No	Yes	Yes	Yes	No
3	Yes	Yes	No	No	No	Yes
4	Yes	No	Yes	Yes	Yes	No
5	Yes	Yes	No	No	No	Yes

Mapping with Programme Outcomes

COs	PO ₁	PO ₂	PO ₃	PO ₄	PO ₅	PO ₆	PO ₇	PO ₈	PO ₉	PO ₁₀
CO ₁	M	S	M	S	S	M	M	S	S	M
CO ₂	S	M	S	M	S	S	S	M	S	M
CO ₃	M	M	S	S	M	S	S	S	M	S
CO ₄	S	S	M	M	S	M	M	M	S	M
CO ₅	M	M	S	S	M	S	M	S	M	S

PO – Programme Outcome, CO – Course outcome

S – Strong, M – Medium, L – Low (may be avoided)

THIRUVALLUVAR UNIVERSITY, VELLORE – 632 115
M. A., Economics – 2022-2023 onwards

Semester: III

Paper type: Mooc Course - II

Paper code: DMOEC 37

Name of the Paper: -----

Credit: -----

Total Hours per Week: ----- Lecture Hours: 8 Weeks

Tutorial Hours: ----

.....
Course Objectives

- ❖ MOOCs integrate social networking, accessible online resources, and are facilitated by leading practitioners in the field of study. Most significantly, MOOCs build on the engagement of learners who self-organize their participation according to learning goals, prior knowledge and skills, and common interests.

Course Out Comes (five outcomes from each units should be mentioned)

CO₁: After studied unit-1, the student will be able to gain a taster experience for a full degree programme.

CO₂: After studied unit-2, the student will be able to courses are flexible, you can start now and study at your own pace.

CO₃: After studied unit-3, the student will be able to being able to register for free and many MOOCs are free certificate courses.

CO₄: After studied unit-4, the student will be able to engage and feedback with your fellow learners.

CO₅: After studied unit-5, the student will be able to deadlines are flexible according to your schedule.

**MOOC COURSES (Students to choose one course from SWAYAM/NPTEL/
 STANFORD, MIT AND HARVARD).**

Matching Table (Put Yes / No in the appropriate box)

Unit	i. Remembering	ii. Understanding	iii. Applying	iv. Analyzing	v. Evaluating	vi. Creating
1	Yes	Yes	Yes	No	Yes	Yes
2	Yes	No	Yes	Yes	Yes	No
3	Yes	Yes	No	No	No	Yes
4	Yes	No	Yes	Yes	Yes	No
5	Yes	Yes	No	No	No	Yes

Mapping with Programme Outcomes

COs	PO ₁	PO ₂	PO ₃	PO ₄	PO ₅	PO ₆	PO ₇	PO ₈	PO ₉	PO ₁₀
CO ₁	M	S	M	S	S	M	M	S	S	M
CO ₂	S	M	S	M	S	S	S	M	S	M
CO ₃	M	M	S	S	M	S	S	S	M	S
CO ₄	S	S	M	M	S	M	M	M	S	M
CO ₅	M	M	S	S	M	S	M	S	M	S

PO – Programme Outcome, CO – Course outcome
 S – Strong, M – Medium, L – Low (may be avoided)

THIRUVALLUVAR UNIVERSITY, VELLORE – 632 115**M. A., Economics – 2022-2023 onwards****Semester: III****Paper type: USRR****Paper code: DUSRR 30****Name of the Paper: University Social Responsibility Report (USRR)****Credit: 2****Total Hours per Week: -----****Lecture Hours: 8 Weeks****Tutorial Hours: ----****Course Objectives**

- ❖ To describes the way we're making a difference to the social and economic wellbeing of our communities through our teaching, research, and public events and activities.
- ❖ To give a distinct priority to our cultural and creative activities.
- ❖ To tackle the social inequalities, prejudices and barriers that continues to affect people's lives.
- ❖ To promote good health and well being for staff, students and communities.
- ❖ To lead more sustainable world with research, teaching, operations and encouragement.

Course Out Comes (five outcomes from each units should be mentioned)

CO1: After completed the report, the student will be able to play a positive part in the service of the society.

CO2: After completed the report, the student will be able to ascertain whether the acts of the University are in public interest or not.

CO3: After completed the report, the student will be able to measure the quality of the education and contribution to the welfare of the people.

CO4: After completed the report, the student will be able to evaluate the socio-economic contribution made by the university.

CO5: After completed the report, the student will be able to brings to the society about the discharge of social responsibility of an organization.

Matching Table (Put Yes / No in the appropriate box)

Unit	i. Remembering	ii. Understanding	iii. Applying	iv. Analyzing	v. Evaluating	vi. Creating
1	Yes	Yes	Yes	No	Yes	Yes
2	Yes	No	Yes	Yes	Yes	No
3	Yes	Yes	No	No	No	Yes
4	Yes	No	Yes	Yes	Yes	No
5	Yes	Yes	No	No	No	Yes

USSR (FIELD VISIT)**Field Study and USRR (University Social Responsibility Report)**

The aim of the Field Study is to help students connect with the society in the respective discipline. Following are the important features of the Field Study and the USRR:

- 1. Aim:** The Field Study must aim at relating the subject of study with the society in so far as the application and the usefulness of the study are concerned
- 2. Topic selection:** The topic for the Field Study must be chosen by the student in the second semester in the month of February; the process for the same shall begin on 1st February and shall end

on the last working day of the month of February. Students are free to select the topic for the Field Study in consultation with the Experts and Faculty Members of their choice, both from within and outside the University

3. Period and duration: The Field Study shall be undertaken for a duration of 15 days in the summer vacation that falls immediately at the end of the second semester of the program and the same should be accounted for the Third Semester of the program

4. USRR: The USSR (University Social Responsibility Report) must be prepared by every student of the program written in 50 to 75 pages. The report shall be written based on the standard research methodology.

5. Review and evaluation schedule:

a. Reviewing the Field work: First week of July

b. Report Review: Second week of August

c. Report submission: First week of September

d. Report Evaluation: Third week of September

6. Faculty Composition:

The following members may be nominated for confirming the topic and for evaluating the USRR:

a. Professor and Head of the concerned Department

b. One Faculty member with related field of specialization from the concerned Department

c. One senior faculty member from the Department of Sociology from other Institution

Mapping with Programme Outcomes

COs	PO ₁	PO ₂	PO ₃	PO ₄	PO ₅	PO ₆	PO ₇	PO ₈	PO ₉	PO ₁₀
CO ₁	M	S	M	S	S	M	M	S	S	M
CO ₂	S	M	S	M	S	S	S	M	S	M
CO ₃	M	M	S	S	M	S	S	S	M	S
CO ₄	S	S	M	M	S	M	M	M	S	M
CO ₅	M	M	S	S	M	S	M	S	M	S

PO – Programme Outcome, CO – Course outcome
S – Strong, M – Medium, L – Low (may be avoided)

THIRUVALLUVAR UNIVERSITY, VELLORE – 632 115
M. A., Economics – 2022-2023 onwards

Semester: IV Paper type: Core Paper code: DDEC 41

Name of the Paper: Public Economics – II Credit: 5

Total Hours per Week: 5 Lecture Hours: 45 Tutorial Hours: 1

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Course Objectives

- ❖ The objectives of this paper are to make the students to understand the recent development in public finance, public expenditure, budgeting and public debt.
- ❖ To understand the economics of government expenditure and taxation.
- ❖ To use economic analysis to predict and verify the effects of government intervention on behaviour of individuals, households, and firms.
- ❖ To discuss the implications of policy for efficiency and equity.
- ❖ To establish an efficient allocation of resources.

Course Out Comes (five outcomes from each units should be mentioned)

CO₁: After studied unit-1, the student will be able to understand the effects and management of public debt.

CO₂: After studied unit-2, the student will be able to study the deficit financing in Indian context with its significance.

CO₃: After studied unit-3, the student will be able to evaluate the various Finance Commission for Regulatory Planning.

CO₄: After studied unit-4, the student will be able to explain the role of Local Finance and diverse sources of Local Finance its related concepts.

CO₅: After studied unit-5, the student will be able to gain knowledge on the objectives and instruments of Fiscal Policy.

Matching Table (Put Yes / No in the appropriate box)

Unit	i. Remembering	ii. Understanding	iii. Applying	iv. Analyzing	v. Evaluating	vi. Creating
1	Yes	Yes	Yes	No	Yes	Yes
2	Yes	No	Yes	Yes	Yes	No
3	Yes	Yes	No	No	No	Yes
4	Yes	No	Yes	Yes	Yes	No
5	Yes	Yes	No	No	No	Yes

Unit-1: Public Expenditures

(Teaching Hours: 8)

Theories of Public Expenditure – Wagner’s Law – Wiseman – Peacock Hypothesis – Cost benefit and social cost analysis – Structure and growth of public expenditure in centre and state.

Unit-2: Public Policy and Budgeting (Teaching Hours: 9)

Meaning of Budget Components – Preparation, Presentation and Execution of Budget – Economic Classification of Budget – Deficit Budget and its Implication – Techniques of budgeting – Zero base budgeting – Performance of budgeting.

Unit-3: Taxation (Teaching Hours: 9)

Kinds of taxes – Taxable capacity – Canons of Taxation – Benefit and Ability-to-pay approaches – Theory of incidence – Theory of optional Taxation – The problem of double taxation. Tax evasion and the black economy – Tax reforms in India – Chelliah Committee report – Kelkar Committee report - GST – Importance – Types – Implications – Consequences.

Unit-4: Fiscal Federalism (Teaching Hours: 10)

Fiscal federalism in India – Principle of Federal Finance – Fiscal federalism and Centre – State financial relationship – Recent finance commissions – Recommendations of recent finance commission – Resource transfer from Union to states.

Unit-5: Local Finance (Teaching Hours: 9)

State finance – Sources of revenue and expenditure of local government –Public debt – Evolution of Panchayat Raj institutions in India – 73rd and 74th Amendments – Role of Local Finance – e-Governance.

Internal Assessment Methods: refer instructions**Text book:**

- ❖ Sutikshan Chaturvedi (2018), “Public Economics”, GPH Publishers, New Delhi.
- ❖ R.K. Lekhi Joginder Singh (2016), “Public Finance”, Kalyani Publishers, New Delhi.
- ❖ Om Prakash(2012), “Public Economics - Theory and Practice”, VPC Futures of Winners Publications, New Delhi.
- ❖ Charles Francis Bastable(2012), “Public Finance”, Mc Million Publication, New Delhi.
- ❖ A.K.Bhatia (2013), “Public Economics”, Black Prints Publications, New Delhi.
- ❖ Anthony B. Atkinson, Joseph E. Stiglitz (2015), “Lectures on Public Economics”, Princeton University Press, Chicago.
- ❖ Ambar Ghosh, Chandana Ghosh(2018), “Public Finance”, PHI Publications, New Delhi.
- ❖ Gareth D. Myles (2019) “Public Economics”, Cambridge University Press, Cambridge.
- ❖ Jain T.R, Majhi B.D (2021) “Public Economics”, VK Global Publications Pvt. Ltd., New Delhi.
- ❖ Janak Raj Gupta (2021) “Public Economics In India - Theory and Practice”, Atlantic Publishers & Distributors Pvt Ltd., New Delhi.

Reference Book:

- ❖ Richard.A Musgrave (1989), “Public Finance in Theory and Practice”, McGraw Hill Book Company, New York.
- ❖ Martin Feldstein, A.J. Auerbach(2002), “Hand Book of Public Economics”, North-Holland Publications, New York.
- ❖ Janak Raj Gupta (2011), “Public Economics in India”, Atlantic Publications, New Delhi.
- ❖ Kenneth Joseph Arrow (2012), “Social Choice and Individual Value”, John Willy&Sons, New York.
- ❖ Joginder Singh Lekhi R.K. (2016) “Public Finance”, Kalyani Publishers, New Delhi.
- ❖ Prasad N (2011) “Public Finance”, Abd Publishers, Mumbai.

- ❖ Matthew Drennan, Dick Netzer (1995) “Readings in State and Local Public Finance”, Wiley-Blackwell, New York.
- ❖ Bhatia H L (2000) “Public Finance”, S. Chand Publishing, New Delhi.
- ❖ Richard Musgrave, Peggy Musgrave (2017) “Public Finance in Theory and Practice”, McGraw Hill Education, New Delhi.
- ❖ Prasad N (2011) “Public Finance”, Abd Publishers, New Delhi.

Course Material:

Website links:

- ❖ <https://www.lunduniversity.lu.se/lubas/i-uoh-lu-NEKP51>
- ❖ <https://www.conted.ox.ac.uk/courses/public-policy-economics-online>
- ❖ <https://www.econ.upd.edu.ph/library/?p=1536>

e-Books :

- ❖ <https://www.amazon.in/Modern-Economics-Routledge-Advanced-Finance/dp/0415460107>
- ❖ <https://www.cambridge.org/9780521497695>
- ❖ <https://www.routledge.com/Modern-Public-Economics/Jha/p/book/9780415143158>

e-journals :

- ❖ <https://journals.sagepub.com/home/iej>
- ❖ <https://www.elsevier.com/journals/journal-of-public-economics/0047-2727?generatepdf=true>
- ❖ <https://academic.oup.com/ej>

Mapping with Programme Outcomes

COs	PO ₁	PO ₂	PO ₃	PO ₄	PO ₅	PO ₆	PO ₇	PO ₈	PO ₉	PO ₁₀
CO ₁	M	S	M	S	S	M	M	S	S	M
CO ₂	S	M	S	M	S	S	S	M	S	M
CO ₃	M	M	S	S	M	S	S	S	M	S
CO ₄	S	S	M	M	S	M	M	M	S	M
CO ₅	M	M	S	S	M	S	M	S	M	S

PO – Programme Outcome, CO – Course outcome
 S – Strong, M – Medium, L – Low (may be avoided)

THIRUVALLUVAR UNIVERSITY, VELLORE – 632 115
M. A., Economics – 2022-2023 onwards

Semester: IV **Paper type: Core** **Paper code: DDEC 42**

Name of the Paper: Financial Economics **Credit: 5**

Total Hours per Week: 5 **Lecture Hours: 45** **Tutorial Hours: 1**

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Course Objectives

- ❖ The objective of this Subject is to make the Students as Financial Analyst.
- ❖ To know the basic Concepts, Models and Methods in Financial Economics.
- ❖ To make the Students to pursue research studies such as M.Phil., and Ph.D., in Monetary and Financial Economics.
- ❖ To study the financial performance of a business.
- ❖ To employs economic theory to evaluate how time, risk, opportunity costs, and information can create incentives or disincentives for a particular decision.

Course Out Comes (five outcomes from each units should be mentioned)

- CO₁:** After studied unit-1, the student will be able to understand Financial Economics and its basic concepts.
- CO₂:** After studied unit-2, the student will be able to study future contracts and markets and its related concepts.
- CO₃:** After studied unit-3, the student will be able to provide Knowledge on Capital Markets, Consumption and Investment.
- CO₄:** After studied unit-4, the student will be able to gives knowledge on the maximizations of share holder's Wealth.
- CO₅:** After studied unit-5, the student will be able to gain knowledge on models of Financial Economics.

Matching Table (Put Yes / No in the appropriate box)

Unit	i. Remembering	ii. Understanding	iii. Applying	iv. Analyzing	v. Evaluating	vi. Creating
1	Yes	Yes	Yes	No	Yes	Yes
2	Yes	No	Yes	Yes	Yes	No
3	Yes	Yes	No	No	No	Yes
4	Yes	No	Yes	Yes	Yes	No
5	Yes	Yes	No	No	No	Yes

Unit-1: Introduction to Financial Markets

(Teaching Hours: 8)

Capital Markets, Consumption and Investments with and without Capital Markets, Market Places and Transaction Costs and Breakdown of Separation; Fisher Separation Theorem; The Agency Problems; Maximization of Shareholder's Wealth.

Unit-2: Future Contracts and Markets**(Teaching Hours: 9)**

Option Pricing Models - Forward and Future Contracts and Markets; European and American Options; Pricing Futures, Wasp and Synthetic Futures; Bounds for Option prices, put-call Parity; Derivation of Option Pricing Formula, Binomial Approach; Black-Scholes Option. Pricing Models, Option to Expand, Valuation of a Real Option.

Unit-3: Portfolio Frontiers**(Teaching Hours: 9)**

Decision under Uncertainty – State Preference Approach – Expected Utility Approach – Behavioral Alternatives to the EUA. Mean-Variance Model – Concepts – Portfolio Frontiers – Two Risky Assets – Many Risky Assets – Optimal Portfolio Selection.

Unit-4: Portfolio Theory**(Teaching Hours: 10)**

Mean-Variance Portfolio Theory- Measuring Portfolio return and Risks-Effect of Diversification- Minimum Variance Portfolio-Perfectly Correlated Assets- Minimum Variance Opportunity set- Optimal Portfolio Choice; Mean-Variance Frontier of Risky and Risk-Free Asset-portfolio Weights.

Unit-5: Models of Financial Economics**(Teaching Hours: 9)**

Capital Asset Pricing Model – Assumptions – Asset – Market Equilibrium – Characteristics Line and the Market Model – Security Market line – Risk Premium and Diversification. Arbitrage – Uncertain World – State Prices and Risk – Neutral Valuation – Factor Model – Arbitrage Pricing Theory. Inter-Temporal Choice and the Equity Premium Puzzle – Consumption and Investment in a Two Period with Certainty – Lifetime Portfolio Selection – Intertemporal capital Asset Pricing Models.

Internal Assessment Methods: refer instructions**Text book:**

- ❖ Yoganandham G. (2021) “Financial Economics”, New Century Publications, New Delhi.
- ❖ Jonathan E. Ingersoll, Jr. (2021) “Theory of Financial Decision Making - Studies in Financial Economics”, Dev Publishers & Distributors, New Delhi.
- ❖ CA. G. Sekar., CA. G. Saravana Prasath(2018), “Financial Management and Economics for Finance”, Wolters Kluwer Publishers, New Delhi.
- ❖ Dilip K. Ghosh(1995), “New Advances in Financial Economics”, Series in International Business and Economics, Emerald Publishing House, New Delhi.
- ❖ Robert T. McGee(2015), “Applied Financial Macro Economics and Investments Strategies”, Global Financial Market Series, London.
- ❖ Copeland, T. E. and J. F. Weston (2012), “Financial Theory and Corporate Policy”, Addison Wesley, New India.
- ❖ Brealey, R. and S. Myers (2017), “Principles of Corporate Finance”, fifth edition, ,McGraw Hill, New York.
- ❖ Houthakker, H.S. and P.J. Williamson (2016), “Economics of Financial Markets”, Oxford University Press, London.
- ❖ Hull, J. (2012), “Options, Futures and other Derivatives”, fifth edition, Prentice Hall, New Delhi.

- ❖ Zvi Bodie, Robert Merton, David Cleeton (2008) “Financial Economics”, Pearson Publications, New York.
- ❖ Nikiforos T. Laopodis (2022) “Financial Economics and Econometrics”, Routledge, London.

Reference Book:

- ❖ Rustagi R.P. (2021) “Financial Management”, Taxmann, New York.
- ❖ Debreu, G. (1959) Theory of Value: An Axiomatic Analysis of Economic Equilibrium, Cowles Foundation Monograph 17. Yale University Press, New Haven, CT.
- ❖ Dréze, J.H. (1987) Essay on Economic Decisions under Uncertainty. Cambridge University Press, Cambridge.
- ❖ Grant, S.H. and Quiggin, J. (2004) The risk premium for equity: implications for resource allocation, welfare and policy. Mimeo, Rice University and University of Queensland.
- ❖ White, L. (1989) Competition and Currency: Essays in Free Banking and Money. New York University Press, New York.
- ❖ Chris Jones (2008) “Financial Economics”, Routledge, London.
- ❖ Frank Fabozzi, Ted Neave, and Gaofu Zhou (2011) “Financial Economics”, John Wiley & Sons, London.
- ❖ Stephen Leroy, Jan Werner, Stephen A Ross (2001) “Principles of Financial Economics”, University of California, Santa Barbara.
- ❖ Erickson K. H. (2014) “Financial Economics - A Simple Introduction”, Createspace Independent Pub., London.
- ❖ Joseph Daniels, David D. VanHoose (1998) “International Monetary and Financial Economics”, Baylor University, Baylor.

Course Material:

Website links:

- ❖ <https://uhcl.libguides.com/FINC/websites>
- ❖ <https://www.ssrn.com/index.cfm/en/fen/>
- ❖ <https://www.emerald.com/insight/publication/issn/1086-7376>

e-Books :

- ❖ https://www.tripurauniv.ac.in/Page/SubjectWiseOnline_EBooks_Finance_Economics_and_Commerce/
- ❖ <https://www.amazon.in/Financial-Economics-Simple-Introduction-Introductions-ebook/dp/B00G5ZB1GG>
- ❖ <https://link.springer.com/book/10.1007/978-3-662-49688-6>

e-journals :

- ❖ <https://www.sciencedirect.com/journal/journal-of-financial-economics>
- ❖ <https://www.worldscientific.com/worldscinet/afe>
- ❖ <https://onlinelibrary.wiley.com/journal/10991158>

Mapping with Programme Outcomes

COs	PO ₁	PO ₂	PO ₃	PO ₄	PO ₅	PO ₆	PO ₇	PO ₈	PO ₉	PO ₁₀
CO ₁	M	S	M	S	S	M	M	S	S	M
CO ₂	S	M	S	M	S	S	S	M	S	M
CO ₃	M	M	S	S	M	S	S	S	M	S
CO ₄	S	S	M	M	S	M	M	M	S	M
CO ₅	M	M	S	S	M	S	M	S	M	S

PO – Programme Outcome, CO – Course outcome
 S – Strong, M – Medium, L – Low (may be avoided)

THIRUVALLUVAR UNIVERSITY, VELLORE – 632 115
M. A., Economics – 2022-2023 onwards

Semester: IV Paper type: Core Paper code: DDEC 43

Name of the Paper: Monetary Economics Credit: 5

Total Hours per Week: 5 Lecture Hours: 45 Tutorial Hours: 1

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Course Objectives

- ❖ Monetary economics has intensified greatly with substantial stream of evidence relating to money, Banking and Finance.
- ❖ To understand not just how an economy functions efficiently but also how monetary policy can help the economy adjust from one equilibrium state to another.
- ❖ To study the conduct and effects of monetary policy, including its impact on interest rates and inflation, and the consequences of policy actions by central banks.
- ❖ To study the relation between money and uncertainty.
- ❖ To analyse the monetary nature of capital, profits, interest rates and the social function of banks.

Course Out Comes (five outcomes from each units should be mentioned)

CO1: After studied unit-1, the student will be able to understand the various functions and classifications of Money.

CO2: After studied unit-2, the student will be able to impart knowledge on value of Money and evaluation of quantity theory of money.

CO3: After studied unit-3, the student will be able to study Money standards and Indian Currency system.

CO4: After studied unit-4, the student will be able to determine the various factors influencing money supply and Keynesian approach.

CO5: After studied unit-5, the student will be able to gain knowledge on inflation and its effects along with Trade Cycles.

Matching Table (Put Yes / No in the appropriate box)

Unit	i. Remembering	ii. Understanding	iii. Applying	iv. Analyzing	v. Evaluating	vi. Creating
1	Yes	Yes	Yes	No	Yes	Yes
2	Yes	No	Yes	Yes	Yes	No
3	Yes	Yes	No	No	No	Yes
4	Yes	No	Yes	Yes	Yes	No
5	Yes	Yes	No	No	No	Yes

Unit-1: Nature and Significance of Monetary Economics (Teaching Hours: 8)

Nature and Definition of Money – Theoretical and Empirical Definition of Money – Money and Near Money – Inside Money and Outside money – Neutrality and Non – Neutrality of Money – Functions of Money.

Unit-2: The Keynesian Theory of Money and Prices**(Teaching Hours: 9)**

Introduction – Keynes’s Reformulated Quantity Theory of Money – Superiority of The Keynesian Theory Over The Traditional Quantity Theory of Money- Criticisms of Keynesian Theory of Money and Prices.

Unit-3: Macro Economic Policies and Monetarist Controversy**(Teaching Hours: 9)**

Monetary transmission mechanism and the channels of monetary influence – The High power money – Money multiplier – Monetary policy and its effectiveness – Fiscal policy and its effectiveness.

Unit-4: Banking and Non-Banking Financial Institutions**(Teaching Hours: 10)**

Banking sectors – Non-banking financial intermediaries - Role and importance – Interest rate and RBI – RBI credit control – The statutory liquidity ratio – Functions of RBI – It’s role in agriculture and industrial development – Recent developments in monetary economics.

Unit-5: Money Market and Capital Market**(Teaching Hours: 9)**

Capital market – Importance of capital market – Stock market – Role of exchange control – Primary and secondary market – Importance of capital market – Stock market – Role and function of stock exchange – SEBI and working of capital market – Exchange rate – Problems of international liquidity – IMF and SDR scheme, floating currencies.

Internal Assessment Methods: refer instructions**Text book:**

- ❖ RBI (2018) – “Currency and Finance Reserve Bank of India bulletin” – New Delhi.
- ❖ Benjamin Friedman, Michael Woodford (2010), “Hand Book of Monetary Economics”, North Holland Publishers, New York.
- ❖ Suraj B Gupta (2011), “Monetary Economics, Institutions, Theory and Policy”, S.Chand and Co. Pvt. Ltd., New Delhi.
- ❖ Venugopal Reddy.Y (2014), “Monetary and Financial Sector Reforms in India”, UBS, Publishers Distributors Ltd., Chennai.
- ❖ Gosh. B.N. and Rama Gosh (2019), “Fundamental of Monetary Economics”, Himalaya Publications, Bombay.
- ❖ Johnson, H.G. and Nobay.A.R. (2015), “Issues in Monetary Economics”, Oxford University Press, Delhi.
- ❖ Mithra.S(2016), “Money and Banking”, Random House, New York.
- ❖ R.R Paul (2018) “Monetary Economics”, Kalyani Publishers, New Delhi.
- ❖ Kumar N., Mittal R. (2002) “Monetary Economics”, Anmol Publisher, New Delhi.
- ❖ Seth M.L (2020) “Monetary Economics”, Lakshmi Narain Agarwal, New Delhi.

Reference Book:

- ❖ Jhingan M L (2012) “Monetary Economics”, Vrinda Publications P Lt- Delhi.
- ❖ Suraj B Gupta (2010) “Monetary Economics: Institutions, Theory & Policy”, S Chand & Company, New Delhi.
- ❖ Cauvery R & et Al. (2010) “Monetary Economics”, S Chand & Company, New Delhi.
- ❖ Stephen Rousseas (1998) “Post Keynesian Monetary Economics”, Palgrave Macmillan, New York.

- ❖ Axel Leijonhufvud (2001) “Monetary Theory as a Basis for Monetary Policy”, Palgrave Macmillan, New York.
- ❖ Ulrich Bindseil (2004) “Monetary Policy Implementation: Theory, past, and present”, OUP Oxford, Oxford.
- ❖ Godley W., Lavoie M. (2012) “Monetary Economics - An Integrated Approach to Credit Money Income Production and Wealth”, Palgrave Publishers, New York.
- ❖ Vinodkumar N. Prajapati (2019) “Monetary Economics”, JTS Publications, New Delhi.
- ❖ Dev Raj (2004) “Monetary Economics: Theory and Practices”, Neha Publishers, New Delhi.
- ❖ William A. Barnett, Kenneth J. Singleton (2017) “New Approaches to Monetary Economics”, Cambridge University Press, Cambridge.

Course Material:

Website links:

- ❖ <https://www.nber.org/programs-projects/programs-working-groups/monetary-economics>
- ❖ <https://www.imf.org/en/Home>
- ❖ <https://www.nber.org/conferences/monetary-economics-program-meeting-spring-2022>

e-Books :

- ❖ <https://link.springer.com/book/10.1057/9780230280854>
- ❖ <https://fivebooks.com/best-books/monetary-policy-lars-christensen/>
- ❖ <https://www.cambridge.org/highereducation/books/modeling-monetary-economics/023C0C44467AF215AA8456962E4B9817>

e-journals :

- ❖ <https://www.inderscience.com/jhome.php?jcode=ijmef>
- ❖ <https://www.imf.org/en/Publications/WEO/weo-database/2022/April>
- ❖ <https://www.sciencedirect.com/journal/journal-of-monetary-economics>

Mapping with Programme Outcomes

COs	PO ₁	PO ₂	PO ₃	PO ₄	PO ₅	PO ₆	PO ₇	PO ₈	PO ₉	PO ₁₀
CO ₁	M	S	M	S	S	M	M	S	S	M
CO ₂	S	M	S	M	S	S	S	M	S	M
CO ₃	M	M	S	S	M	S	S	S	M	S
CO ₄	S	S	M	M	S	M	M	M	S	M
CO ₅	M	M	S	S	M	S	M	S	M	S

PO – Programme Outcome, CO – Course outcome
 S – Strong, M – Medium, L – Low (may be avoided)

THIRUVALLUVAR UNIVERSITY, VELLORE – 632 115
M. A., Economics – 2022-2023 onwards

Semester: IV Paper type: Compulsory PG – Project Report, Paper code: DDPEC 45

Name of the Paper: Project Report With Viva - Voce

Credit: 4

Total Hours per Week: -----

Lecture Hours: -----

Tutorial Hours: ----

Course Objectives

- ❖ To gain an understanding of core economic principle and how they apply to a wide range of real- world issues.
- ❖ To master the theoretical and applied tools necessary to critique and create economic research.
- ❖ To become familiar with salient developments in the world economy, in present – day and historical contexts.
- ❖ To describe the way we're making a difference to the social and economic wellbeing of our communities through research.
- ❖ To lead more sustainable world with research, teaching and encouragement.

Course Out Comes (five outcomes from each units should be mentioned)

CO1: After completed the report, the student will be able to acquire partial knowledge within the chosen area of research for project formation.

CO2: After completed the report, the student will be able to formulate and handle research projects with a comprehensive and systematic approach.

CO3: After completed the report, the student will be able to contribute as an individual or in a team in development of technical projects.

CO4: After completed the report, the student will be able to develop effective communication skills for presentation of projects related activates.

CO5: After completed the report, the student will be able to provide effective Report Writing Skills in Social Science Research.

Matching Table (Put Yes / No in the appropriate box)

Unit	i. Remembering	ii. Understanding	iii. Applying	iv. Analyzing	v. Evaluating	vi. Creating
1	Yes	Yes	Yes	No	Yes	Yes
2	Yes	No	Yes	Yes	Yes	No
3	Yes	Yes	No	No	No	Yes
4	Yes	No	Yes	Yes	Yes	No
5	Yes	Yes	No	No	No	Yes

Mapping with Programme Outcomes

COs	PO ₁	PO ₂	PO ₃	PO ₄	PO ₅	PO ₆	PO ₇	PO ₈	PO ₉	PO ₁₀
CO ₁	M	S	M	S	S	M	M	S	S	M
CO ₂	S	M	S	M	S	S	S	M	S	M
CO ₃	M	M	S	S	M	S	S	S	M	S
CO ₄	S	S	M	M	S	M	M	M	S	M
CO ₅	M	M	S	S	M	S	M	S	M	S

PO – Programme Outcome, CO – Course outcome

S – Strong, M – Medium, L – Low (may be avoided)

Project Report: The students is expected to conduct a research study in Economics and to submit dissertation under the guidance and supervision / mentor concerned. Marks for dissertation is 100. Out of which 75 marks pertain to evaluation of dissertation (Internal examiner: 25 marks and external examiner: 75 marks and marks pertain to viva voce jointly awarded by internal and external examiners.

THIRUVALLUVAR UNIVERSITY, VELLORE – 632 115
M. A., Economics – 2022-2023 onwards

Semester: IV **Paper type: Major Elective** **Paper code: DDEEC 44 A**
Name of the Paper: Environmental Economics **Credit: 5**
Total Hours per Week: 5 **Lecture Hours: 45** **Tutorial Hours: 1**

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Course Objectives

- ❖ To provide the basic instruments to analyse environmental problems from the economic perspective.
- ❖ To realize the optimal extraction of renewable and non-renewable resources.
- ❖ To maintain a balance between economic development and environmental quality.
- ❖ To explore the various socio-economic possibilities to reduce pollution and uplift the standard of living of the people.
- ❖ To understand some important and controversial issues such as climate change policy, nuclear power, recycling policy, and traffic congestion charging.

Course Out Comes (five outcomes from each units should be mentioned)

- CO₁:** After studied unit-1, the student will be able to analyze the importance of environment on the economy include the quality of Manpower.
- CO₂:** After studied unit-2, the student will be able to study the nature and classification of resources and energy within the context of India.
- CO₃:** After studied unit-3, the student will be able to understand the causes and victims of environmental degradation in India.
- CO₄:** After studied unit-4, the student will be able to gain knowledge on environment awareness program.
- CO₅:** After studied unit-5, the student will be able to study the international environment assessment program.

Matching Table (Put Yes / No in the appropriate box)

Unit	i. Remembering	ii. Understanding	iii. Applying	iv. Analyzing	v. Evaluating	vi. Creating
1	Yes	Yes	Yes	No	Yes	Yes
2	Yes	No	Yes	Yes	Yes	No
3	Yes	Yes	No	No	No	Yes
4	Yes	No	Yes	Yes	Yes	No
5	Yes	Yes	No	No	No	Yes

Unit-1: Nature and Significance of Economics of Environment **(Teaching Hours: 8)**

Definition and scope of environment – Economic development and environmental problems – Renewable and non-renewable resources – Depletion of resources – Eco-systems – Loss of biodiversity – Environmental protection policies at global level – Sustainable development.

Unit-2: Agricultural Development and Environmental Problems (Teaching Hours: 9)

Technological changes in agriculture and its impacts on environment – Excess use of water, fertilizer and pesticides – Concept of natural farming – Environmental changes and causes of forest depletion and its impact – social forestry.

Unit-3: Environmental Problems on Industries (Teaching Hours: 9)

Industries and effluents – Pollutions – Depletion of ozone layer – Industries and Environmental issues – Green house effects – Environment friendly size of firm – Limits to growth theory.

Unit-4: Environmental Valuation (Teaching Hours: 10)

Importance of environmental valuation and types – Economics of pollution – Cost-benefit analysis and environment – Types of energy – Energy production from waste – Pollution tax – Travel cost method – Hedonic pricing method – Environmental protection laws in India – Pollution control board and their functions.

Unit-5: Environmental Problems and its Effects (Teaching Hours: 9)

Population and pollution – Poverty and pollution – Housing and slums – Rural sanitation – Effects on physical quality of life – India's environmental policy.

Internal Assessment Methods: refer instructions**Text book:**

- ❖ Karpagam M. (2021) "Environmental Economics: A Textbook", Sterling Publishers Pvt.Ltd., New Delhi.
- ❖ Thangavelu A. & Sapna K. (2021) "Basics of Environmental Economics", Sankalp Publications, New Delhi.
- ❖ Mani N. (2020) "Environmental Economics", New Century Publications, New Delhi.
- ❖ Kolsad, Charles D. (2011), "Environmental Economics", Second edition, Oxford University press, New Delhi.
- ❖ Hanley Nick, Jason Shogren and Ben White (2007), "Environmental Economics in Theory and Practice", Second edition, Macmillan Publications, New York.
- ❖ Karpagam M. (2017), "Environmental Economics", Sterling Publishers, New Delhi.
- ❖ Singh, G.N. (2011), "Environmental Economics", Mittal Publications, New Delhi.
- ❖ Mehta, C.S. (2014), "Environmental and Law", RBSA Publishers, New Delhi.
- ❖ Chand, Attar (2018), "Environmental Challenges", UPH, Publishers, New Delhi.
- ❖ Field C Barry (2014), "Environmental Economics", McGraw Hill, International Edition, Penguin Books.

Reference Book:

- ❖ Andersson, J. O., & Eriksson, R. (2010). Elements of ecological economics. Routledge.
- ❖ Bahn, A., & Gowdy, J. (2003). Economics weak and strong: ecological economics and human survival. World Futures: The Journal of General Evolution, 59(3-4), 253-262.
- ❖ Barbier, E. B., & Scoones, I. (1993). Economics and ecology. New frontiers and Sustainable. Barnes, B. (2006). The Ecological Economics of Consumption. Journal of Economic Issues, 40(3), 830-832.
- ❖ Common, M., & Stagl, S. (2005). Ecological economics: an introduction. Cambridge University Press.
- ❖ Costanza, R. (1997). Frontiers in ecological economics: transdisciplinary essays by Robert Costanza. Edward Elgar Publishing Ltd
- ❖ Daly, H. E. (2007). Ecological economics and sustainable development. Edward Elgar Publishing.

- ❖ Daly, H. E., & Farley, J. (2011). Ecological economics: principles and applications. Island press.
- ❖ Edwards-Jones, G., Davies, B., & Hussain, S. S. (2009). Ecological economics: an introduction. John Wiley & Sons.
- ❖ Hernandez Jose G V (2020) “Environmental Economics and Sustainability”, Discovery Publishing House Pvt Ltd., New Delhi.
- ❖ Shunsuke Managi (2016) “Environmental Economics”, Taylor & Francis Publishers, London.

Course Material:

Website links:

- ❖ <https://inomics.com/blog/the-best-books-on-environmental-economics-1460899>
- ❖ <https://collinsdwight.medium.com/the-best-books-on-environmental-economics-edc88163817d>
- ❖ <https://bookauthority.org/books/best-selling-environmental-economics-books>

e-Books :

- ❖ <https://www.amazon.in/Environmental-Economics-Concepts-Methods-Policies-ebook/dp/B07RVD5VS7>
- ❖ <https://www.amazon.in/Environmental-Economics-Short-Introduction-Introductions-ebook/dp/B005I4D83Y>
- ❖ https://www.researchgate.net/publication/319433901_ENVIRONMENTAL_ECONOMICS_TEXTBOOKS

e-journals :

- ❖ <https://www.journals.elsevier.com/journal-of-environmental-economics-and-management>
- ❖ <https://www.tandfonline.com/toc/teep20/current>
- ❖ <https://www.sciencedirect.com/journal/journal-of-environmental-economics-and-management>

Mapping with Programme Outcomes

COs	PO ₁	PO ₂	PO ₃	PO ₄	PO ₅	PO ₆	PO ₇	PO ₈	PO ₉	PO ₁₀
CO ₁	M	S	M	S	S	M	M	S	S	M
CO ₂	S	M	S	M	S	S	S	M	S	M
CO ₃	M	M	S	S	M	S	S	S	M	S
CO ₄	S	S	M	M	S	M	M	M	S	M
CO ₅	M	M	S	S	M	S	M	S	M	S

PO – Programme Outcome, CO – Course outcome

S – Strong, M – Medium, L – Low (may be avoided)

THIRUVALLUVAR UNIVERSITY, VELLORE – 632 115
M. A., Economics – 2022-2023 onwards

Semester: IV **Paper type: Major Elective** **Paper code: DDEEC 44 B**
Name of the Paper: Managerial Economics **Credit: 5**
Total Hours per Week: 5 **Lecture Hours: 45** **Tutorial Hours: 1**

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Course Objectives

- ❖ To understand the relevance of economics in business management.
- ❖ To study functional areas of management such as Marketing, Capital budgeting and profit from a broader perspective.
- ❖ To assist in making decisions on the various areas that affect business.
- ❖ To implement devices that measure the broad scale of a company's financial goals.
- ❖ To analyze economic problems of business and suggest solutions and help the managers in decision-making.

Course Out Comes (five outcomes from each units should be mentioned)

CO₁: After studied unit-1, the student will be able to understand the nature and scope of managerial economics and its related concepts.

CO₂: After studied unit-2, the student will be able to understand the cost analysis and its related concepts.

CO₃: After studied unit-3, the student will be able to familiarize with market structure along with price and output decision.

CO₄: After studied unit-4, the student will be able to study the pricing method and Profit Management.

CO₅: After studied unit-5, the student will be able to describe and demonstrate Capital Budgeting and its related concepts.

Matching Table (Put Yes / No in the appropriate box)

Unit	i. Remembering	ii. Understanding	iii. Applying	iv. Analyzing	v. Evaluating	vi. Creating
1	Yes	Yes	Yes	No	Yes	Yes
2	Yes	No	Yes	Yes	Yes	No
3	Yes	Yes	No	No	No	Yes
4	Yes	No	Yes	Yes	Yes	No
5	Yes	Yes	No	No	No	Yes

Unit-1: Introduction

(Teaching Hours: 8)

Managerial Economics – Nature and Scope – Definitions – Objectives of the firms – Managerial theories of firm – Behavioral theories of firms – Decision making analysis – Production Management – Marketing – Operations research – Significance of managerial economics.

Unit-2: Demand and Supply Analysis**(Teaching Hours: 9)**

Demand Analysis – Elasticity of demand – Types and significance of Elasticity of Demand - Demand forecasting – Marketing research approaches to demand forecasting – Need for forecasting – Forecasting techniques – Supply Analysis – Supply function – The Law of Supply - Elasticity of Supply.

Unit-3: Pricing Methods**(Teaching Hours: 9)**

Pricing objectives – Types of pricing – Transfer pricing – Full cost pricing – Odd number pricing – Peak-load pricing – Limit pricing – Cost plus pricing – Target pricing – Markup Pricing – Price leadership models – Price discounts – Pricing of multi – Product firm.

Unit-4: Capital Budgeting**(Teaching Hours: 10)**

Cash inflows and outlays – Valuation of future cash flows – Net-Present value – Cost of capital – Certainty Vs Uncertainty methods of ranking alternative investments – Project appraisal – Inventory management.

Unit-5: Profit and its Measurement**(Teaching Hours: 9)**

Theories of profit – Measurement – Break-even analysis – Profit Policy – Planning and Forecasting – WTO and small business.

Internal Assessment Methods: refer instructions**Text book:**

- ❖ Dominick Salvatore, Siddhartha Rastogi (2020) “Managerial Economics: Principles And Worldwide Applications”, Oxford University Press, Oxford.
- ❖ Keat Paul, Young Philip K, Erfle Steve, Dickinson, Banerjee Sreejatha (2017) “Managerial Economics”, Pearson, New York.
- ❖ William F. Samuelson, Stephen G. Marks (2013) “Managerial Economics”, Wiley, London.
- ❖ Keat (2017), “Managerial Economics: Economic Tools for Today’s Decision Makers”, Pearson Education, New York.
- ❖ Hirschey (2017), “Economics for Managers”, Thomson Publishers, London.
- ❖ Froeb (2018), “Managerial Economics—A Problem Solving Approach”, Thomson Publishers, London.
- ❖ Petersen, Lewis and Jain (2016), “Managerial Economics”, Pearson Education, New York.
- ❖ Craig H. Petersen. W., Cris Lewis, Sudhir K. Jain (2005), “Managerial Economics”, Person Education, New York.
- ❖ Keat Paul., K. Young Philip., Erfle Steve (2017), “Managerial Economics”, Person Education, New York.
- ❖ Mehta,P.L. (2011), “Managerial Economics Analysis, Problems, Cases”, Sultan Chand and Sons, New Delhi.

Reference Book:

- ❖ Baye, M. R., Prince, J. and Squalli, J. (2013) Managerial economics and business strategy. 8th. ed. Maidenhead: McGraw-Hill.
- ❖ Boyes, William J. (2012) Managerial economics: markets and the firm. 2nd ed. Boston, Mass: Houghton Mifflin.
- ❖ Hirschey, Mark (2008) Fundamentals of managerial economics. International ed. Mason, Ohio: South-Western.
- ❖ Hirschey, M. and Bentzen, E. (2016) Managerial economics. 14th edition. Andover, Hampshire: Cengage Learning EMEA.

- ❖ Mansfield, Edwin and Mansfield, Edwin (2002) Managerial economics: theory, applications, and cases. 5th ed. New York: W.W. Norton.
- ❖ Png, I. (2015) Managerial economics. Fifth edition. London: Routledge. Available from: <http://ebookcentral.proquest.com/lib/lbsuuk/detail.action?docID=3570124>
- ❖ Salvatore, D. (2015) Managerial economics: principles and worldwide applications. International eighth edition. New York: Oxford University Press.
- ❖ Salvatore, Dominick (2003) Managerial economics in a global economy. 5th ed. Cincinnati, Ohio: South-Western.
- ❖ Brickley, James A., Smith, Clifford W. and Zimmerman, Jerold L. (2009a) Managerial economics and organizational architecture. 5th ed. New York: McGraw-Hill Irwin.
- ❖ Baye, M., 2010. Managerial economics and business strategy. 7th ed. New York: McGraw-Hill/Irwin.

Course Material:

Website links:

- ❖ <https://www.economicsnetwork.ac.uk/businesseconomics>
- ❖ <https://nptel.ac.in/courses/110101005>
- ❖ <https://onlinelibrary.wiley.com/journal/10991468>

e-Books :

- ❖ <https://www.amazon.in/Managerial-Economics-Narayanan-Vijayan-Nadar-ebook/dp/B00K7Z0IM8>
- ❖ https://www.academia.edu/34707649/Managerial_Economics_Textbook
- ❖ https://books.google.com/books/about/Managerial_Economics_8th_Edition.html?id=H7FDDAAAQB_AJ

e-journals :

- ❖ https://www.iupindia.in/Managerial_Economics.asp
- ❖ <https://www.jstor.org/journal/manadeciecon>
- ❖ <https://www.tandfonline.com/toc/tbem20/current>

Mapping with Programme Outcomes

COs	PO ₁	PO ₂	PO ₃	PO ₄	PO ₅	PO ₆	PO ₇	PO ₈	PO ₉	PO ₁₀
CO ₁	M	S	M	S	S	M	M	S	S	M
CO ₂	S	M	S	M	S	S	S	M	S	M
CO ₃	M	M	S	S	M	S	S	S	M	S
CO ₄	S	S	M	M	S	M	M	M	S	M
CO ₅	M	M	S	S	M	S	M	S	M	S

PO – Programme Outcome, CO – Course outcome
 S – Strong, M – Medium, L – Low (may be avoided)

THIRUVALLUVAR UNIVERSITY, VELLORE – 632 115**M. A., Economics – 2022-2023 onwards****Semester: IV****Paper type: Major Elective****Paper code: DDEEC 44 C****Name of the Paper: Security Market Operations****Credit: 5****Total Hours per Week: 5****Lecture Hours: 45****Tutorial Hours: 1****Course Objectives**

- ❖ To understand the evolution, working and roll of security markets in India.
- ❖ To develop good understanding of the evolution, functioning and growth of fixed income securities.
- ❖ To understand the role, functions of the various intermediaries and regulatory bodies.
- ❖ To Understand the activities and procedures of Security Market and its mechanism
- ❖ To acquaint the knowledge about funds mobilized through various sources and instruments of Financial Market.

Course Out Comes (five outcomes from each units should be mentioned)

CO₁: After studied unit-1, the student will be able to explain the nature and pattern of security markets in India.

CO₂: After studied unit-2, the student will be able to understand the difference between primary and secondary security markets and its functions.

CO₃: After studied unit-3, the student will be able to classify the functions of security markets in India.

CO₄: After studied unit-4, the student will be able to analyse the secondary market institutions in India.

CO₅: After studied unit-5, the student will be able to gain Knowledge on National Stock Exchange and its related concepts.

Matching Table (Put Yes / No in the appropriate box)

Unit	i. Remembering	ii. Understanding	iii. Applying	iv. Analyzing	v. Evaluating	vi. Creating
1	Yes	Yes	Yes	No	Yes	Yes
2	Yes	No	Yes	Yes	Yes	No
3	Yes	Yes	No	No	No	Yes
4	Yes	No	Yes	Yes	Yes	No
5	Yes	Yes	No	No	No	Yes

Unit-1: Security Markets**(Teaching Hours: 8)**

Security Markets - Legal Environment: SEBI Act, 1992, Securities contract regulation Act 1956 companies act 1956 (various provisions relating to securities), RBI, rules and guidelines for FLLs - Security Markets: Primary and Secondary markets: primary market its role and functions methods of selling securities in primary market; New financial instruments.

Unit-2: Secondary Market**(Teaching Hours: 9)**

Secondary Market: role importance, organisation of stock exchange; listing of securities in stock exchange; Trading mechanism- screen based trading; Insider trading; take-overs; Interest based trading.

Unit-3: NSC and OTCEI**(Teaching Hours: 9)**

National Stock Exchange and over the counter Exchange - role, organization and management; Listing rules, procedure including formats formalities, Accounting records for buying selling transactions; Nature of transaction cash and forward settlement of trades.

Unit-4: International Markets**(Teaching Hours: 10)**

Funds from International Markets: FII, Euro issues, ADR S GDR S and FDI; Guidelines for raising funds from the international markets through various instruments.

Unit-5: Credit Rating**(Teaching Hours: 9)**

Meaning and necessity, credit rating agencies Methodology of credit rating - Share Price Indices: Need and importance, compiling of index numbers and interpretation.

Internal Assessment Methods: refer instructions**Text book:**

- ❖ Dalton, John (1988) "How the Stock Market Works", Prentice Hall, New Delhi.
- ❖ Gupta, L.C (2011) "Stock Exchange Trading in India", Society for Capital Market Research and Development, Delhi.
- ❖ Machi Raju, H.R (2019) "Merchant Banking", Wiley Eastern Ltd; New Delhi.
- ❖ Marchi Raju, H.R (2009) "Working of Stock Exchanges in India", Wiley Eastern Ltd; New Delhi.
- ❖ Chandrate KR; et al (2010) "Capital issues SEBI & Listing", Bharat Publishing House, New Delhi.
- ❖ Donald E. Fisher, Ronald J. Jordan (2018) "Security analysis and Portfolio Management", Prentice Hall, New Delhi.
- ❖ Ragunathan V (2007) "Stock Exchange and Investments", Tata McGraw Hill, New Delhi.
- ❖ Inderpal Singh & Jaswinder Kaur (2014) "Security Market Operations", Kalyani Publishers, New Delhi.
- ❖ Karishma Shah (2021) "Security Market Operations: An Overview", Scholars' Press, New Delhi.
- ❖ National Institute of Securities Markets (2021) "Securities Operations and Risk Management", Taxman, New York.

Reference Book:

- ❖ Dalton, John M (2000) "How the Stock Market Works", Prentice Hall, New Delhi.
- ❖ Macrae, Norman (1955) "The London Capital Market", Staples Press Ltd., London.
- ❖ Cirvante, V.R (1956) "The Indian Capital Market", Geoffrey Cumberlege Oxford University Press, Bombay.
- ❖ Simha, S.L.N (1960) "The Capital Market of India", Vora & Co., Publishers Pvt. Ltd., Bombay.
- ❖ Mehta, R.C (1989) "Capital Market In India For Planned Growth", Kitab Ghar, Gwalior.
- ❖ BSE (1980) "Present Position of the Stock Market in India", The Stock Exchange, Bombay.
- ❖ Armstrong, F.E (1954) "The book of the stock exchange", Pitman Publishing Corporation, London.
- ❖ Bala Ram P. S., Sri Lakshmi T (2017) "Stock Market Operations" Himalaya Publishing House, New Delhi.
- ❖ Sharma F. C (2022) "Financial Market Operations", SBPD Publications, New Delhi.
- ❖ Sudha P (2022) "Securities Law & Market Operation", Sultan Chand & Sons, New Delhi.

Course Material:**Website links:**

- ❖ <https://www.sebi.gov.in/>
- ❖ https://backup.pondiuni.edu.in/storage/dde/downloads/finiv_smo.pdf
- ❖ <https://www.nseindia.com/learn/self-study-ncfm-modules-advanced-securities-market-module>

e-Books :

- ❖ <https://www.amazon.in/Security-Market-Operations-Inderpal-Jaswinder/dp/9327243595>
- ❖ <https://www.amazon.in/Security-Market-Operations-Karishma-Shah/dp/613895341X>
- ❖ <https://www.taxmann.com/virtualbooks/product/7231-nism-securities-operations-and-risk-management-%7C-virtual-book>

e-journals :

- ❖ <https://www.amazon.in/Security-Market-Operations-Inderpal-Jaswinder/dp/9327243595>
- ❖ <https://www.taxmann.com/bookstore/product/7214-securities-operations-and-risk-management>
- ❖ <http://www.inderscience.com/ijfmd>

Mapping with Programme Outcomes

COs	PO ₁	PO ₂	PO ₃	PO ₄	PO ₅	PO ₆	PO ₇	PO ₈	PO ₉	PO ₁₀
CO ₁	M	S	M	S	S	M	M	S	S	M
CO ₂	S	M	S	M	S	S	S	M	S	M
CO ₃	M	M	S	S	M	S	S	S	M	S
CO ₄	S	S	M	M	S	M	M	M	S	M
CO ₅	M	M	S	S	M	S	M	S	M	S

PO – Programme Outcome, CO – Course outcome
 S – Strong, M – Medium, L – Low (may be avoided)
