

# **FATIMA COLLEGE (AUTONOMOUS)**



**Re-Accredited with “A” Grade by NAAC (3<sup>rd</sup> Cycle)  
74<sup>th</sup> Rank in India Ranking 2020 (NIRF) by MHRD  
Maryland, Madurai- 625 018, Tamil Nadu, India**

**NAME OF THE DEPARTMENT : ECONOMICS**

**NAME OF THE PROGRAMME : M.A**

**PROGRAMME CODE : PAEC**

**ACADEMIC YEAR : 2020-21**

<b>RESEARCH CENTER OF ECONOMICS</b>				
<b>M.A ECONOMICS 2020-2021</b>				
<b>Se m</b>	<b>Subject Code</b>	<b>Title of the Paper</b>	<b>Hr s</b>	<b>Credits</b>
I	19PG1E1	Micro Economic Analysis	6	4
	19PG1E2	Statistical Methods	6	4
	19PG1E3	Indian Economy	6	4
	19PG1E4	Money and banking	6	4
	19PG1EEDC	Business Skills for Women	3	3
II	19PG2E5	Macro Economic Analysis	6	4
	19PG2E6	Mathematics for Economists	6	4
	19PG2E7	Financial Markets	6	4
	19PG2E8	Computer Application for Economists	6	4
	19PGEEDC	Business Skills for Women	3	3
III	19PG3E9	Development Economics	6	4
	19PG3E10	Econometrics	6	4
	19PG3E 11	Research Methodology	6	4
	19PG3AE12	Financial Economics/ Commerce:	4+	4+2
	19PG3EA12	Software Package for Accounting Decisions	2	
	<b>Electives</b>			
	19PG3EE1	Agricultural Economics	4	4
	19PG3EE2	Gender Economics		
19PG3I01	Internship	---	4	
19PG3CV1	Comprehensive Viva	--	4	
IV	19PG4E13	Indian Fiscal System	6	5
	19PG4E14	International Economics	6	5
	19PG4E15	Behavioral Economics	6	5
	19PG4E16	Environmental Economics	6	5
	<b>Electives</b>			
	19PG4EE3 19PG4EE4	National Income Accounting Industrial Economics	4	4
	19PG4P1	PROJECT	---	4
		Total		96

**I SEMESTER**  
**MAJOR**  
**MICRO ECONOMIC ANALYSIS - 19PG1E1**

(For those who joined in 2019 onwards)

PROGRAMME CODE	COURSE CODE	COURSE TITLE	HRS/WEEK	CREDITS
PAEC	19PG1E1	MICRO ECONOMIC ANALYSIS	6	4

#### **COURSE DESCRIPTION**

Micro Economics is the base for Economics. It would impart the knowledge of different types of market, seller, Production and consumption.

#### **COURSE OBJECTIVE/S**

1. Enable the students to understand the concepts of demand, supply the basic Economic Theories of Consumption, Production & Market Structure.
2. Inculcating the knowledge of Production, Supply, Sales and the prevailing trend of the market.
3. Enabling them to analyse the Perfect and Imperfect market structure and the different types of seller.(Monopoly, Oligopoly, Duopoly,)
4. To equip them to face NET exam and other competitive exams.

#### **COURSE OUTCOMES**

On the successful completion of the course, students will be able to:

NO.	COURSE OUTCOMES
CO 1	Equipped with the knowledge of demand and supply
CO 2	Gaining knowledge on the prevailing trends of Market.
CO 3	Enabling them to analyse the Life Cycle of a Product.
CO 4	Inculcating the knowledge on allocation of resources.
CO 5	Equipped themselves to face competitive exams

**UNIT I: INTRODUCTION & THEORY OF CONSUMPTION****[15 HRS]**

Theory of Demand – Theory of Supply – Partial and general equilibrium analysis – model construction in economics- its uses and limitations – Cobb-web Theorem.

Indifference curve Analysis - **Price Effect – Income and Substitution effects (Self study)** – Hicks method and Slutsky's Method – Samuelson's Revealed Preference Theory

**UNIT II: MODERN THEORIES OF CONSUMPTION****[15 HRS]**

Hicks revision of demand theory – weak and strong ordering – direct consistency test and derivation of demand law – Modern Utility Analysis of choice involving risk and uncertainty – Behaviorist approach of **Neumann and Morgenstern and NM Utility Index (Self study)** – Friedman Savage Hypothesis.

**UNIT III: THEORY OF PRODUCTION****[15HRS]**

Concept of production function – modern approach – Technological progress and production function - equilibrium of the firms – choice of optimal combination of factors – Ridge lines – Scale line – Expansion path – **Production function of multi product firm (Self study)**.

**UNIT IV: MARKET STRUCTURE****[15 HRS]**

An overview of Perfect Competition - Monopoly – Demand and Revenue – Costs – Short and Long run cost of the monopolists – discriminating monopoly – bilateral monopoly – concepts of natural monopoly – Monopsony. Monopolistic competition – Assumptions – cost – products differentiation and the demand curve – the concept of “industry” and the “group” equilibrium of the firm - price and selling cost – Non-price competition. Excess capacity and ideal output. Duopoly – Cournot Model -Oligopoly – Cartels – Collective & Non-Collective – **Kinked Demand Curve**.

**UNIT V: INFORMATION PROBLEM AND MARKETS WITH ASYMMETRIC****INFORMATION****[15 HRS]**

Information problem – The market for lemons and adverse selection Asymmetric and the market failure –The Insurance Market and adverse selection – The problem of Moral Hazard – Moral Hazard –free rider problem – **problem of commons and Allocative Inefficiency (Self study)**

**UNIT VI: DYNAMISM/CURRENTAFFAIR**

1. To go for a primary market survey for a month, to find out the trend of the market and to write report

2. To find out the demand for a new products

### **REFERENCES**

1. Agarwal, H.S. (1998) *Advanced Economic Theory* , Konark Publishers Pvt. Ltd., 9th Edition.
2. Arrow K.J. (1997) *Social Choice and Individual Values*, Tata McGraw Hill Publishing Company Ltd., New Delhi, 2nd Edition.
3. Ahuja, H.L. (2017) , *Advanced Economic Theory*, Vrinda Publications [P] Ltd., New Delhi.
4. Baumol, J. William, (1979), *Welfare Economics and Theory of State*, Prentice Hall, Inc., New Jersey.
5. Chopra M.L.(1996) *Advanced Economic Theory*, Kalyani Publishers, New Delhi, 8<sup>th</sup> and 9<sup>th</sup> Edition Reprinted.
6. Koutsoyiannis, (2001) *Advanced Micro Economics*, English Language Book Society, MacMillan Company, London, 1<sup>st</sup> and 2<sup>nd</sup> Edition Reprinted.
7. Harvey, J.(1988) *Modern Economics* , Macmillan education ltd London.
8. Dixit , A.K. (1976) *The theory of equilibrium growth*, oxford university press London.
9. Wilfred Beckerman, (1969) *An introduction to national income analysis*, weidenfeld and London.

### **Digital Open Educational Resources (DOER)**

1. <http://www.economicdiscussion.net/theory-of-production/theory-of-production-and-the-production-function/12410>
2. [http://coin.wne.uw.edu.pl/siwinska/Lecture1\\_17a.pdf](http://coin.wne.uw.edu.pl/siwinska/Lecture1_17a.pdf)
3. <http://www.yourarticlelibrary.com/economics/market/market-structure-meaning-characteristics-and-forms-economics/28736>

**I SEMESTER  
MAJOR CORE  
STATISTICAL METHODS - 19PG1E2**  
(For those who joined in 2019 onwards)

PROGRAMME CODE	COURSE CODE	COURSE TITLE	HRS/WEEK	CREDITS
PAEC	19PG1E2	STATISTICAL METHODS	6	4

#### COURSE DESCRIPTION

Statistical tools are necessary for the application of economic theories and for doing research work.

#### COURSE OBJECTIVE/S

1. To equip the students with statistical tools needed for research and analysis
2. Designed to be recruited for IES and NET Exams.
3. To equip them to become a good statistical officer

#### COURSE OUTCOMES

On the successful completion of the course, students will be able to:

NO.	COURSE OUTCOMES
CO 1	Obtaining knowledge on probability.
CO 2	Be equipped on statistical tools.
CO 3	Gained knowledge on analysis and hypothesis.
CO 4	Enabling them to do their research project.
CO 5	Knowledge on evaluating statistical quality control

#### UNIT I: PROBABILITY AND THEORETICAL DISTRIBUTION

[15HRS]

Probability Distribution- Concept of Probability – **Theorems Probability (Self study)**

Theoretical Distribution: – Bayes' Theorem. Binomial, Poisson and Normal distribution - Fitting a normal curve.

#### UNIT II: PARAMETRIC TEST OF HYPOTHESIS

[15 HRS]

Procedure of Testing Hypothesis – Type I and II Errors – **One-tailed – Two-tailed (Self study)**

Tests of Hypothesis: Parametric: – t-test, Z-test, F-test – ANOVA

**UNIT III: NON-PARAMETRIC TEST OF HYPOTHESIS****[15 HRS]**

Non-Parametric Tests : Chi-square Test, the Sign Test, a Rank Sum Test, One Sample Runs Test, Kruskal-Wallis or H Test – **Spearman's Rank Correlation (Self study)** - Limitations of Non-Parametric Tests.

**UNIT IV: TIME SERIES, INTERPOLATION AND EXTRAPOLATION****[15 HRS]**

Time series, Interpolation and Extrapolation: Meaning and components of time series –different methods of measuring- trend and seasonal variations only.

Methods of Interpolation –Graphic- Algebraic- Binomial Expansion method – Newton's method of advancing difference, Newton Gauss[ Forward and Backward] method- **Newton's Divided Difference method (Self study)** - Lagrange's method and parabolic curve fitting Extrapolation.

**UNIT V: STATISTICAL QUALITY CONTROL CHART****[15 HRS]**

Control Limits - Types of Control Charts – X Chart – R Chart – Control Chart for C – Control Chart for P – **Advantages & Limitations of Statistical Quality Control (Self study)**.

**UNIT VI DYNAMISM & CURRENT AFFAIRS**

1. Work out problems for all the above statistical concepts
2. Collecting and writing review of articles with the above tools

**REFERENCES:**

1. Pillai & Bagawathi, R.S.N.(2001) *Statistics*, S. Chand & Company Ltd, New Delhi.
2. Gupta S.C and Kapoor V.K.(2003) *Fundamentals of Applied Statistics* Sultan Chand&Sons, New Delhi.
3. Monga G.S.(2001) *Mathematics and Statistics for Economics*, Vikas Publishing House Pvt. Ltd., New Delh.
4. Elhance D.N and Aggarwal B.M.(2003) *Fundamentals of Statistics*, Kitab Mahal, Allahabad.
5. Hooda R.P.(2000) *Statistics for Business and Economics*, MacMillan, New Delhi.
6. Frank, Harry and Althoen, Steven,C.(2000) *Statistics: Concepts and Applications*, Cambridge University Press, Cambridge.
7. Richard I.Levin, David S. Rubin "Statistical for management" Dorling
8. Kindersley publication India, (2008).Seventh Edition 2008
9. Baijley , Norman T.J (1997) *Statistical methods in biology*, London Cambridge University press, 3<sup>rd</sup> edition.

10. Mills Frederick,C. (1955) *Statistical Methods* , New York, Henry Holt and company 3<sup>rd</sup> Edition.
11. Sneduos, George, *Statistical Methods* / george w snedecos and willam.G cochran 6th edition.
12. Edward, Allen, *statistical methods*, newyork holt Rinehart and Winston inc 3<sup>rd</sup> Edition.

**Digital Open Educational Resources (DOER)**

1. <https://stats.stackexchange.com/questions/614/open-source-statistical-textbooks>
2. <https://www.igi-global.com/book/open-source-software-statistical-analysis/237841>



**I SEMESTER  
MAJOR  
INDIAN ECONOMY – 19PG1E3**  
(For those who joined in 2019 onwards)

PROGRAMME CODE	COURSE CODE	COURSE TITLE	HRS/WEEK	CREDITS
PAEC	19PG1E3	INDIAN ECONOMY	6	4

### COURSE DESCRIPTION

Study on agriculture marketing, industrialization, monetary issues& recent government policies in India

### COURSE OBJECTIVE/S

1. To impart knowledge on core sectors of Indian Economy.
2. To equip the students to understand the current economic issues of India.
3. To help the students to face the TNPSC and UPSC exams
4. To acquaint the students with the significance of various sectors in Indian economy

### COURSE OUTCOMES

On the successful completion of the course, students will be able to:

NO.	COURSE OUTCOMES
CO 1	To impart knowledge on core sectors of Indian Economy.
CO 2	To equip the students to understand the current economic issues of India.
CO 3	To help the students to prepare for competitive examinations and face the TNPSC and UPSC exams where Indian Economy is a part of syllabus.
CO 4	To impart knowledge on core sectors of Indian Economy.

### UNIT:1 DEVELOPMENTAL ISSUES: POVERTY, UNEMPLOYMENT AND HUMAN DEVELOPMENT [15 HRS]

Estimates of inequality and poverty measures for India - government measures India's human development record in global prospective - India's population policy and development -urbanization and migration - different types of **migration(Self Study)** and their impact-urban development strategies-indices of

development PQLI ,HDI ,Hunger Index, Education Index, Ecological foot print Index and Green Index

**UNIT: II AGRICULTURE AND RURAL DEVELOPMENT STRATEGIES [15 HRS]**

Technologies and institution-land relation and land reforms -rural credit - modern form inputs and marketing-price policy and subsidies-commercialization and diversification

**Rural development program (Self study)** -Economic and Social infrastructure- New rural employment guarantee scheme

**UNIT: III INDUSTRY [15 HRS]**

Strategy of industrial development-industrial policy reforms-policy relating to small scale industries - source of industrial finance- Bank, **Share market, (Self Study)** Insurance companies-Pension funds-Non banking source-Foreign Direct Investment-portfolio investment, public sector reforms, Privatization and Disinvestment, MSME ,Industrial policy resolution of 1948,1956,1991.

**UNIT: IV BUDGETING AND FISCAL POLICY [15 HRS]**

Tax-Expenditure-Budgetary deficits-pension and fiscal reforms-fiscal responsibility and budget management act-black money and parallel economy in india-**demonetization and cashless economy (Self study)**

**UNIT:V RECENT POLICIES OF GOVERNMENT OF INDIA. [15 HRS]**

Swatch Bharath-Jandhan Yojana-Saansad Adarsh Gram Yojana-Atal Pension Yojana-Awas Yojana-Jeevan Jhothi Bheema Yojana-Swraksha Bheema Yojana-Krishi Sinchi Yojana-Mudra Bank Yojana-Garib Kalyan Yojana-**Suganya Samridhi Yojana (Self study)** -Digi Locker sheme and Ebasta scheme.

**UNIT-VI** Dynamism-current affairs -case study on government scheme-recent issues and statistical data

**REFERENCES:**

1. Mishra & Puri, (2016). *Indian Economy*, Himalaya Publishing House, Mumbai, 2016
- 2.Gaurav Datt and Ashwani Mahajan, Datt & Sundharam's, (2015). *Indian Economy*, S. Chand & Company, New Delhi.

3. Agrawal, A.N. Agarwal, M.K. (2015). *Indian Economy : Problems of Development and Planning* , New Age International (P) Ltd., Publishers, New Delhi.

**Digital Open Educational Resources (DOER)**

1. <https://www.freebookcentre.net/Business/Economics-Books.html>
2. <https://www.phindia.com/Books/ShoweBooks/NTQ5/Indian-Economy>

**I SEMESTER  
MAJOR CORE  
MONEY AND BANKING 19PG1E4**

PROGRAMME CODE	COURSE CODE	COURSE TITLE	HRS/WEEK	CREDITS
PAEC	19PG1E4	MONEY AND BANKING	6	4

**COURSE DESCRIPTION**

Money, Commercial Banking, Central Banking, Monetary Policies, Monetary Institutions.

**COURSE OBJECTIVE/S**

To make the students understand the Indian banking systems and monetary system.

**COURSE OUTCOMES**

On the successful completion of the course, students will be able to:

NO.	COURSE OUTCOMES
CO 1	Equip the students with the essential aspects of money, and banking
CO 2	Helps the students to prepare for the competitive NET SET exams and IES Exams
CO 3	Create awareness with regard to different components of money and capital markets
CO 4	Create awareness on theories of money and banking
CO 5	Ensure Knowledge usage of the usage of modern technology in banking system

**UNIT:I Demand and Supply of Money**

**[15Hrs]**

Definition – Functions of Money – Classification - Gold Standard -Managed Paper currency system. Supply of Money: Velocity of Money – Transaction Velocity and Income Velocity – Determinants of Money supply – Demand for Money: Keynes' Three motives – **Theories of Money (Self study)** - Cash Transaction and Cash Balances.

**UNIT: II Theories of money**

**[15Hrs]**

Keynesian theory of Money and price Introduction-keynes reformulated quantity theory of money. Superiority of Keynesian theory over the traditional quantity theory of money. **Friedman's restatement quantity theory of money. (Self study)**

**UNIT: III Money market and Commercial Banks [15Hrs]**

Money market: Meaning – Characteristics – Functions – Institutions of Indian Money market – Instruments -**Commercial Banks: (Self study)** Importance – Functions of commercial banks – Credit Creation- Instruments of Credit – Nationalisation of Commercial Banks.

**UNIT: IV Monetary policy and Central Banks: [15Hrs]**

Monetary policy: Meaning and Objectives – Role and effectiveness of Monetary Policy in a developing economy- Central Bank: Functions of Central Bank – Credit control: Qualitative and Quantitative - Departments of **Reserve Bank of India. (Self study)**

**UNIT: V Electronic Money and Banking: [15Hrs]**

Electronic Banking: internet banking - telephonic banking –mobile banking - door to door banking – merchant banking. Electronic Money and Payment Schemes: Digital cash ATM – **Credit cards – Debit cards (Self study)**, Internet Cheque, Smart Cards, Financial EDI, E-Wallets, micro transactions, payment clearing service providers. Internet Monetary payment and security requirements.

**UNIT: VI Dynamics:**

Case study of banking services- case study of online transactions- Online kiosks

**Reference Books:**

1. Jhingan, M.L.(2001). *International Trade and Public Finance*, Sixth Revised Edition..
- 2.Mithani. D.M.(1993) *Money Banking and Foreign Trade*, Seventh Edition.
- 3.Sundaram K.P.M. (1990) *Money Banking and International Trade*, Thirtieth Edition.
- 4.Surej & Gupta , B.(1984). *Money Banking Theory and Practice*, Second Reprint.
- 5.Vaish V.C.(1995). *Monetary Theory*”, Fourteenth Edition.

**Digital Open Educational Resources (DOER):**

<https://www.moneyandbanking.com/>

<https://open.umn.edu/opentextbooks/textbooks/29>

<https://courses.lumenlearning.com/atd-fscj-macroeconomics/chapter/money-and-banking/>

**<https://opentextbc.ca/principlesofeconomics/chapter/introduction-to-money-and-banking/>**

**<https://opentextbc.ca/principlesofeconomics/chapter/introduction-to-money-and-banking/>**

**<https://www.vedantu.com/commerce/money-and-banking>**

**<https://www.thehindubusinessline.com/money-and-banking/>**

**II SEMESTER  
BUSINESS SKILLS FOR WOMEN- 19PGE2EDC**

(For those who joined in 2019 onwards)

<b>PROGRAMME CODE</b>	<b>COURSE CODE</b>	<b>COURSE TITLE</b>	<b>HRS/WEEK</b>	<b>CREDITS</b>
<b>PAEC</b>	<b>19PGE2EDC</b>	<b>BUSINESS SKILLS FOR WOMEN</b>	<b>3</b>	<b>3</b>

**COURSE DESCRIPTION**

Study the entrepreneur qualities, project report, online trading, recent entrepreneur development Schemes

**COURSE OBJECTIVE/S**

1. To bring out emancipation of women from all their clutches of poverty.
2. To enlighten the students on incentives and self- employment schemes.
3. To make them create start ups
4. To make them write practical Project proposal
5. To update our students in latest online modes of business
6. To give them exposure on agri based and village based industries

**COURSE OUTCOMES**

On the successful completion of the course, students will be able to:

<b>NO.</b>	<b>COURSE OUTCOMES</b>
<b>CO 1</b>	To explain the functions of Entrepreneur.
<b>CO 2</b>	To identify the basic qualities of an Entrepreneur.
<b>CO 3</b>	To enable the students to understand the Project report.
<b>CO 4</b>	To evaluate the .merits and demerits of online trading.
<b>CO 5</b>	To assess the policy implementation by government for Entrepreneurial development.
<b>CO6</b>	To equip the students to use Break even Analysis and SWOT Analysis
<b>C07</b>	Understand the various financial institution which support EDP

**UNIT: I INTRODUCTION****[5 HRS]**

Entrepreneur - Types, Functions - Intrapreneur - Women Entrepreneurship: The micro finance and self help groups - Social Entrepreneurship in Non-Profit Organization - Online registration for entrepreneurs - Project Proposals to Funding agencies, Performa

**UNIT: II ECONOMIC ANALYSIS FOR AN ENTREPRENEUR****[5 HRS]**

Budgeting, Break-Even, SWOT and Profitability Analysis - PE ST Analysis - Project Analysis: PERT and CPM network analysis- Income Tax payment- GST Calculation.

**UNIT: III GOVERNMENT INSTITUTIONS AND SCHEMES****[5 Hrs]**

MSME-Government skill development centers: National Skill Development Mission- NSDC-PMKVY- DIC - CED- SIDO - NSIC - TCO- SIPCOT - NAYE- Commercial banks-SBI and other institutions- Governmental schemes and incentives promoting entrepreneurs- MSME: MSME Samadhan- MSME Sambandh -MSME Sampark- Startups - Tamilnadu startup Policy

**UNIT:IV BUSINESS OPPORTUNITIES- BRIEF INTRODUCTIONS****[5 Hrs]**

Agriculture: Horticulture, Floriculture, Kitchen garden and sales, Sale of seeds and agricultural products, Mushroom Cultivation, Vermi-Culture, Api-Culture etc -Industry Handicrafts - Service industry: Tour organisation, Tuition centers, Tailoring - Beauty Parlours- Home delivery of food - Female focused entrepreneurship

**UNIT: V ONLINE BUSINESS- BRIEF INTRODUCTIONS****[5 Hrs]**

Online Buying and selling: Case studies on Amazon, OLX - Facebook - blog creation - web creation - online marketing - scope for business in Online share trading - scope for business in Online commodity trading- scope for business in online exports

**UNIT VI - DYNAMISM**

Project proposal for any product or service - Case study of any one Institutional loan schemes (Bank or non banking)- agri based and village based internship- On the Spot Learning Component: Visit to SHG to study



their income generation activities and writing report - Case study any one women entrepreneur - On-the spot learning: Visit to industrial estate to meet entrepreneurs - Case study any one women entrepreneur - Collection of data regarding entrepreneurs

### **Reference Books:**

1. K.K. Sharma, G.R. Basotia, "Entrepreneurship & Small Business", Mangal Deep Publications, Jaipur, 1<sup>st</sup> Edition, 2001.
2. M. Soundarapandian, "Rural Entrepreneurship – Growth and Potential", Kanishka Publishers, New Delhi, 1<sup>st</sup> Edition, 2001.
3. S.S. Khanaka, "Entrepreneurial Development", S. Chand & Company Limited, 1999.
4. Sujatha, "Entrepreneurial Development", Krishna Printers, 1<sup>st</sup> Edition, 2004.
5. C.B. Gupta & S.S. Khanka, "Entrepreneurship and Small Business Management", Sultan Chand.
6. Robert D. Hisrich "Entrepreneurship", Tata Mc Graw Hill Company Ltd, 2007
7. Hirsch peters "Entrepreneurship " Tata McGraw Hill Company Ltd, New York 2000

### **DIGITAL OPEN EDUCATIONAL RESOURCES (DOER):**

1. [https://www.startupindia.gov.in/content/dam/invest-india/Templates/public/state\\_startup\\_policies/Tamil\\_Nadu\\_Startup\\_Policy.pdf](https://www.startupindia.gov.in/content/dam/invest-india/Templates/public/state_startup_policies/Tamil_Nadu_Startup_Policy.pdf)
2. <https://www.msde.gov.in/pmkvy.html>
3. <https://www.startupindia.gov.in/>
4. [https://www.startupindia.gov.in/content/sih/en/idea\\_bank.html](https://www.startupindia.gov.in/content/sih/en/idea_bank.html)
5. <https://www.msde.gov.in/pmkvy.html>
6. <https://www.tnskill.tn.gov.in/>
7. <https://nsdcindia.org/>
8. <https://sipcot.in/amil-Nadu-state-policy.html>
9. <https://www.editn.in/>
10. [https://www.startupindia.gov.in/content/dam/invest-india/Templates/public/state\\_startup\\_policies/Tamil\\_Nadu\\_Startup\\_Policy.pdf](https://www.startupindia.gov.in/content/dam/invest-india/Templates/public/state_startup_policies/Tamil_Nadu_Startup_Policy.pdf)
11. <https://www.kviconline.gov.in/pmegpeportal/pmegphome/index.jsp>

12. <https://www.udyami.org.in/>
13. <https://www.udyami.org.in/entrepreneur-development>
14. <http://maditssia.com/index.php/madmin/bicactivities>
15. <http://www.sidco.tn.nic.in/>
16. [https://www.startupindia.gov.in/content/dam/invest-india/Templates/public/state\\_startup\\_policies/Tamil\\_Nadu\\_Startup\\_Policy.pdf](https://www.startupindia.gov.in/content/dam/invest-india/Templates/public/state_startup_policies/Tamil_Nadu_Startup_Policy.pdf)
17. Import, Export: <https://www.entrepreneur.com/article/41846>
18. <https://msme.gov.in/>
19. <http://www.msmeonline.tn.gov.in/>
20. [http://www.msmeonline.tn.gov.in/msme\\_partI/msmefiling.php](http://www.msmeonline.tn.gov.in/msme_partI/msmefiling.php)
21. <http://www.sidco.tn.nic.in/>
22. [https://www.tn.gov.in/scheme/department\\_wise/2](https://www.tn.gov.in/scheme/department_wise/2)
23. <http://tnchamber.in/key-initiatives/>

**II SEMESTER**  
**MAJOR**  
**MACRO ECONOMIC ANALYSIS- 19PG2E5**  
 (For those who joined in 2019 onwards)

PROGRAMME CODE	COURSE CODE	COURSE TITLE	HRS/WEEK	CREDITS
PAEC	19PG2E5	MACRO ECONOMIC ANALYSIS	6	4

**COURSE DESCRIPTION**

Study National income and related concepts, consumption and investment function, IS & LM function, business cycle, Macroeconomic policies implemented to stabilise the economy.

**COURSE OBJECTIVES**

1. Impart theoretical skills in students at macro level.
2. Enable the students to know the modern existing application oriented theories.
3. Equip them to face IES, IAS exams and NET exam

**COURSE OUTCOMES (CO)**

On the successful completion of the course, students will be able to:

No.	Course Outcome
CO 1	Evaluate the modern existing application oriented theories
CO 2	Derive a plan to compete and win the competitive examinations like IAS, IES, and NET
CO 3	Identify the impact of fluctuations in macroeconomic concepts on economic growth.
CO 4	Assess the policies implemented by government to set right the economic problems faced by the nation.
CO 5	Identify the changes in the economic scenario and evaluate the current economic growth.
CO6	Compare and contrast the growth at the national and international level.

**UNIT-I NATIONAL INCOME****[15 HRS]**

Concept: Micro- Macro relations-stock and flow relationships – national income and social accounting.NNP, GNP at current prices, market prices-factor prices.

**Trends in the growth of GDP (Self study)****UNIT-II CONSUMPTION AND INVESTMENT FUNCTION****[15 HRS]**

Consumption Function: The short run consumption function – the relative income hypothesis – the permanent income hypothesis and the absolute income hypothesis- the long run consumption function. Autonomous induced investment, MEC and rate of interest. **Trends in Autonomous Investment (Self study)**

**UNIT-III IS & LM FUNCTION****[15 HRS]**

IS & LM Function: General equilibrium of product and money markets- shifts in IS & LM elasticities- classical range –intermediate range and Keynesian range-IS&LM model with Foreign trade sector. **Foreign trade trends- (Self study)**

**UNIT-IV BUSINESS CYCLE****[15 HRS]**

Theories of Schumpeter, Kaldor, Samuelson and Hicks, Goodwin's model; Control of business cycles — relative efficacy of monetary and fiscal policies. **Tariff Policy- (Self study)**

**UNIT- V MACRO ECONOMIC POLICY****[15 HRS]**

Macro Economic Policy: Objectives of Macroeconomic policy –Phillip's curve and unemployment- stagflation- Keynesianism versus monetarism- supply side economics. Current macroeconomic scenario: national and international.

**Unemployment trends in India- (Self study)****UNIT –VI DYNAMISM**

Analysis and interpretation of the status of the economy -Data collection of macro variables (GDP, National Income, Export etc) - Analysis of the psychological law of consumption with change in income and demand - Concept analysis like unemployment, savings, investment etc with relevant country or inter-country data .

**REFERENCE BOOKS:**

1.Jhingan,M.L.(1983). *Macro Economics*, Konark Publishers Private Limited,Delhi  
1<sup>st</sup> Edition.

Demburg,(1989). *Macro Economics*, McGraw-Hill Book Company.

2.Edward Shapiro,(1989). *Macro Economics*, Suneel Galgotia Publications Private Limited, New Delhi.

3.Dr. Gupta, R.D. *Keynes and Post Keynesian Economics*, Kalayani Publishers, New Delhi.

- 4 Ahuja,H.L(2013). *Macroeconomics Theory and Policy*, S.Chand Publishers.
5. Allen .R.G.D (1971). *Macroeconomic Theory* , Mathematical Treatment.
- 6 Harvey, (1971) *Macro Economics*, London Macmaillan Company Limited.
- 7.Dernburg .Thoman,,F (1968) *Macroeconomics- The Measurement Analysis And Control*, Dun Lanm Mcdougall -3<sup>rd</sup> new york : mc graw –hill book company.
8. Gordon, R.A. [1961], Business Fluctuations, Harper and Row.
9. Gordon, R.A. and L.R. Klein [ Eds.] Readings in Business Cycles, Irwin Homewood.
10. Hicks, J.R. [1950], A Contribution to the Theory of Trade Cycles, Clarendon Press,Oxford.
11. Lucas, R. [1981], Studies in Business Cycle Theory, M.I.T. PressCambridge, Masscechusetts.
- 12.Rakesh Bijlani[2011]Business Cycles Theory and Practice,Adhyayan Publishers and distributors,New Delhi.
13. Navaro Peter [2006]Managing the Business Cycle,Pearson Publishers,New Delhi.

#### **Digital Open Educational Resources (DOER):**

1. <https://open.umn.edu/opentextbooks/textbooks/33>
2. <https://ocw.mit.edu/courses/economics/14-02-principles-of-macroeconomics-spring-2014/>
3. <https://lyryx.com/wp-content/uploads/2017/08/CI-Principles-of-Macroeconomics-2017-RevisionB.pdf>
4. <https://www.khanacademy.org/economics-finance-domain/macroeconomics>
5. [http://www.sanandres.esc.edu.ar/secondary/economics%20packs/macroeconomics/page\\_35.htm](http://www.sanandres.esc.edu.ar/secondary/economics%20packs/macroeconomics/page_35.htm)
6. <https://www.masterclass.com/articles/what-is-the-is-lm-model-in-economics>
7. <https://www.jstor.org/stable/pdf/2225740.pdf>
8. [https://link.springer.com/chapter/10.1007/978-1-349-86044-9\\_14](https://link.springer.com/chapter/10.1007/978-1-349-86044-9_14)

**II SEMESTER**  
**MAJOR CORE**  
**MATHEMATICS FOR ECONOMICS – 19PG2E6**

(For those who joined in 2019 onwards)

PROGRAMME CODE	COURSE CODE	COURSE TITLE	HRS/WEEK	CREDITS
PAEC	19PG2E6	MATHEMATICS FOR ECONOMICS	6	4

### COURSE DESCRIPTION

Mathematical tools are necessary for the application of economic theories.

### COURSE OBJECTIVE/S

1. To equip the students with application oriented theories like input -output Model, Linear Programming and Game Theory.
2. To equip students in acquiring analytical skills.
3. To equip them to face IES, IAS exams and NET exam
4. To equip the students with application oriented theories like input – output Model, Partial and Total Derivations, Linear Programming and Game Theory.
5. To equip students in acquiring analytical Skills.
6. To give training for students for IES and NET exam

### COURSE OUTCOMES

On the successful completion of the course, students will be able to:

NO.	COURSE OUTCOMES
CO 1	Inculcating the Knowledge of Mathematical Application in Economics
CO 2	Enable them to identify the significance of Mathematics in studying economics
CO 3	Equipped them to adopt problem solving skills
CO 4	Ensuring competency in clearing SET & NET Exams
CO 5	Inculcating the Knowledge of Mathematical Application in Economics

**UNIT I: DIFFERENTIATION****[15HRS]**

Applications of Derivatives: The Sign and magnitude of Derivative – Average and Marginal Values –Application of the second derivative – **Finding maximum and minimum values (Self study)** – General problems of average and marginal values – point of inflexion – Market equilibrium-Perfect Competition monopoly and Duopoly in economic theory –Economic applications of Derivatives.

**UNIT II: PARTIAL DIFFERENTIATION****[15HRS]**

Partial Derivatives and its applications: First and second order partial derivative – Economic applications of partial differentiation on elasticity demand, Homogenous functions- Euler's theorem- Cobb-Douglas production function-CES production function. Maxima and Minima for two variables. **Profit maximization for discriminating monopoly (Self study)** – Properties of Cobb- Douglas production function and CES production function.

**UNIT III: INTEGRATION****[15HRS]**

Integral Calculus – rules of integration indefinite and definite integrals - substitution methods of integration - applications- integration as total function of economics marginal functions – **consumer and producer surplus. (Self study)**

**UNIT IV: GAME THEORY****[15HRS]**

Game Theory– Classification and Description of Games – Payoffs Matrix – Saddle Point Solution – Mixed Strategy – **Dominated Strategies (Self study)** – Graphical Method – Applications – Static & Dynamic Game with and without complete information – Prisoner's Dilemma Game Theory in action.

**UNIT V: LINEAR PROGRAMMING & INPUT OUTPUT ANALYSIS****[15HRS]**

Introduction to Linear Programming Problem- Formulation of LPP Problem – Solution of LPP using graphical and simplex method. **Solving LPP involving surplus variables (Self study)** – Duality in LPP – Shadow prices.Input output analysis and technical coefficient.

**UNIT VI- DYNAMISM & CURRENT AFFAIRS**

Working out answers for TNPSC, UPSC, BANKS Exam question papers. Working out problems in Differentiation, Partial Differentiation, Iteration, Game Theory and Linear Programming.

**REFERENCE BOOKS:**

1. Allen .R.G.D.(2003). *Mathematical Methods for Economists*, A.I.T.B.S Publishers and Distributors, New Delhi.

2. Alpha .C. Chiang, (1994). *Fundamental Methods of Mathematics*, McGraw Hill International Book Company, Singapore.
3. Bose D. (2004). *Mathematical Methods*, Himalaya Publishing House, New Delhi.
4. Mehta .B.C& Madnani, (2005). *Mathematics for Economists*, S.Chand & Sons, New Delhi.
5. Mukherji, Badal and Pandit V.(1989). *Mathematical Methods for Economics Analysis*, Allied Publishers, Ahmedabad.
6. Gupta J.D.(1987). *Mathematics for Business and Economics*, Tata McGraw Hill, New Delhi.
7. Yamane T.(1968). *Mathematics for Economists*, Prentice Hall, Englewood Cliffs, New Jersey.
8. Carl P. Simon and Lawrence Blume, (2006). *Mathematics for Economics*, W.W. Norton & Company New York – London Edition.
9. Jack Johnston John Dinardo (1997) *Economics Methods*, The McGraw – Hill companies Inc. New York–London Edition.
10. Dorfman, R. Samuelson, P & Solow, R.(1986) *Linear programming & economics analysis* International student edition, McGraw – Hill book company inc, New York – London Kogakasha company ltd Tokyo.
11. Alpha C. Chiang, (1985). “Fundamental Methods of Mathematical Economics” McGraw – hill book company Humburg Edition
12. Monga .G.S.(2001). *Mathematics and Statistics for Economics*, Vikas Publishing House Pvt. Ltd., New Delhi.
13. Bose D.(2004). *Mathematical Methods*, Himalaya Publishing House, New Delhi.
14. Mehta .B.C& Madnani, (2005). *Mathematics for Economists*, S.Chand & Sons, New Delhi.

### **Digital Open Educational Resources (DOER)**

1. <https://open.umn.edu/opentextbooks/subjects/mathematics>
2. [https://www.researchgate.net/publication/228760692\\_Mathematical\\_Methods\\_for\\_Economic\\_Analysis](https://www.researchgate.net/publication/228760692_Mathematical_Methods_for_Economic_Analysis)



**II SEMESTER**  
**MAJOR**  
**FINANCIAL MARKETS 19PG2E7**

(For those who joined in 2019 onwards)

PROGRAMME CODE	COURSE CODE	COURSE TITLE	HRS/WEEK	CREDITS
PAEC	19PG2E7	FINANCIAL MARKETS	6	4

### COURSE DESCRIPTION

Finance is the blood of business .it supports economic development industrial development and encourage Entrepreneurs growth.

### COURSE OBJECTIVE/S

1. To equip thm to face IES, IAS exams and NET exam
2. To equip students to apply their knowledge in stock market security market.
3. To make students aware of financial markets and its functions
4. A more detailed description of what will happen in the course, including topics to be covered.

### COURSE OUTCOMES

On the successful completion of the course, students will be able to:

NO.	COURSE OUTCOMES
CO 1	To make the students to understand the Financial System
CO 2	To make aware of Money Market and Indian Stock Exchange.
CO 3	To equip them to face IES, IAS exams and NET exam
CO 4	To know the latest technology of financial system evaluate the .merits and demerits of online trading
CO 5	To calculate the SENSEX in Financial system.

**UNIT I: INTRODUCTION****[15 HRS]**

Nature, Role and Structure of Financial System – Classification of Financial Institutions. Financial Markets – Classification – Financial Instruments and Services. Equilibrium in Financial Markets – Role of Financial System in Economic Development. Indian Financial System in the Post 1990'S – **Indian Financial Sector (Self study)**

**UNIT II: BANKING INSTITUTIONS****[15 HRS]**

[a] Commercial Banking – Functions – Investment and Portfolio Management – Special Role of Banks – Other Aspects. Banking Innovations and Consortium Approach.

[b] Regulatory Institution: The RBI – Organization and Management – Functions and its role. **Recent Policy Developments. (Self study)**

**UNIT III:NON-BANKING FINANCIAL INSTITUTIONS****[ 15 HRS]**

Small Savings – Types of Instruments. Insurance Companies – LIC – GIC – UTI and Mutual Fund – Organization – Structure – Types. Investment Pattern and Return on Investment – MMMFS – Miscellaneous NBFIs, **Rural Financial Market (Self study)**

**UNIT IV: TYPES OF MARKETS****[15 HRS]**

Call Money Market – Treasury Bills Market – Commercial Bills Market – Commercial Paper and Certificate of Deposits – Discount Market – Financial Guarantees – Capital Market – Bond Market – Mortgage Market – **Stock Market (Self study)** - Equity Market – Gift Market- Derivative Securities Market.

**UNIT V: STOCK EXCHANGES IN INDIA****[15 HRS]**

NSE – BSE – NIFTY – SENSEX – SEBI – Primary and Secondary Issues of Shares and Debentures – Latest Trends in Indian Financial Institutions and Market – Global Foreign Exchange Market - **Exchange Rates and Currency Convertibility (Self study).**

**UNIT VI - DYNAMISM/CURRENTAFFAIR**

Calculation of SENSEX Exchange rates RBI policy norms

**REFERENCES:**

1. L.M. Bhole, “Financial Institutions and Markets”, Tata McGraw-Hill, 2005.
2. G.S. Batra and P.C. Dangural, “Financial Services – New Innovations”, Deep and Deep Publications Pvt. Ltd, 2005.
3. S.K. Aggarwal, “Stock Markets and Financial Journalism” Shipra Publication, New Delhi, 1998

4. A.K. Sharma and G.S. Batra, “Indian Stock Market, Regulation, Performance & Policy Perspective”, Deep and Deep Publications Pvt. Ltd, 2005.
5. Anthony Saunders, “Financial Markets and Institutions”, Tata McGraw-Hill.
6. Peter S. Rose, “Money and Capital Markets – Financial Institutional & Instruments in a Global Market Place”, [ International Edition]
7. Day A.C.L., “Outlines of Monetary Economics”, Oxford University Press, Amen House, London.
8. Johes, Chris “Financial economics” London, routledge, 2008.
9. Meggison & Gitman “Principles of corporate finance” Australia Thomson 2007.
10. Profor Torry “globalization and finance” Blackwell Publishers London 2005

**Digital Open Educational Resources (DOER)**

1. <http://www.yourarticlelibrary.com/india-2/top-4-non-banking-financial-institutions-in-india-financial-management/69251>
2. <https://www.coursera.org/learn/financial-markets-global>

**II SEMESTER****MAJOR CORE****19PG2E8 - COMPUTER SOFTWARES FOR ECONOMICS**

(For those who joined in 2019 onwards)

<b>PROGRAMME CODE</b>	<b>COURSE CODE</b>	<b>COURSE TITLE</b>	<b>HRS/WEEK</b>	<b>CREDITS</b>
<b>PAEC</b>	<b>19PG2E8</b>	<b>COMPUTER SOFTWARES FOR ECONOMICS</b>	<b>6</b>	<b>4</b>

**COURSE DESCRIPTION**

A study on usage of softwares like Excel, SPSS, SQL server, EVIEWS& STATA

**COURSE OBJECTIVE/S**

1. To help the students in applying statistics for economic analysis.
2. To help the students to acquire knowledge of statistical softwares to pursue economic researches

**COURSE OUTCOMES**

On the successful completion of the course, students will be able to:

<b>NO.</b>	<b>COURSE OUTCOMES</b>
<b>CO 1</b>	Enable the Students to become technologically advanced
<b>CO 2</b>	Acquire knowledge to handle research projects
<b>CO 3</b>	Enhance employability skills in industries
<b>CO 4</b>	Facilitate Research Analysis using their computer analytical knowledge
<b>CO 5</b>	Promote placement opportunities in Big Business organizations

**UNIT I: DATA ANALYSIS USING SPSS****(15 HRS)**

Computations - Descriptives – Graphs and Diagrams- Correlation- Regression  
- ANOVA - Multiple Regression- **Problems((Self study))**

**UNIT II SINGLE USER DBMS****(15 HRS)**

Excel: Simple arithmetic- Tables and Graphs –Formula- Trend line- Equation  
- forecasting **Problems ((Self study))**

**UNIT III MULTI USER DBMS and basics of R****(15 HRS)**

Data base management using multi user system –an introduction , R Basics

**UNIT IV: DATA ANALYSIS USING EVIEWS****(15 HRS)**Descriptives- Correlation- Regression –Graph **Problems ((Self study))****UNIT V: DATA ANALYSIS USING STATA****(15 HRS)**Descriptives- Correlation- Regression –Graph **Problems((Self study))****UNIT VI - DYNAMISM**

Presentation of any one software - Presentation of solving problem using any software -Downloading any new software, installing and teaching that software - Usage of video and audio editing softwares and preparing short social videos.

**REFERENCES:**

1. SPSS Software Manuel
2. Darren George and Paul Mallery – SPSS for Windows, Pearson Education
3. Kothari C.R. and Gaurav Garg Research Methodology-Methods and Techniques , New Age
4. Doing Data Analysis using SPSS , Centage Publishers.
5. Ronmansfield, “Working with MS office”, Tata Mc Graw Hill Publishing Ltd
6. Editorial Panel, “Step by Step Micro Soft Excel 2007”, MBD International Publishing

**Digital Open Educational Resources (DOER)**

1. [https://www.researchgate.net/publication/4816506\\_The\\_Economics\\_of\\_Free\\_and\\_Open\\_Source\\_Software\\_Contributions\\_to\\_a\\_Government\\_Policy\\_on\\_Open\\_Source\\_Software](https://www.researchgate.net/publication/4816506_The_Economics_of_Free_and_Open_Source_Software_Contributions_to_a_Government_Policy_on_Open_Source_Software)
2. <https://freecomputerbooks.com/specialOpenSourceBooks.html>

**II SEMESTER**  
**BUSINESS SKILLS FOR WOMEN- 19PGE2EDC**

(For those who joined in 2019 onwards)

PROGRAMME CODE	COURSE CODE	COURSE TITLE	HRS/WEEK	CREDITS
PAEC	19PGE2EDC	BUSINESS SKILLS FOR WOMEN	3	3

### COURSE DESCRIPTION

Study the entrepreneur qualities, project report, online trading, recent entrepreneur development Schemes

### COURSE OBJECTIVE/S

1. To bring out emancipation of women from all their clutches of poverty.
2. To enlighten the students on incentives and self- employment schemes.
3. To make them create start ups
4. To make them write practical Project proposal
5. To update our students in latest online modes of business
6. To give them exposure on agri based and village based industries

### COURSE OUTCOMES

On the successful completion of the course, students will be able to:

NO.	COURSE OUTCOMES
CO 1	To explain the functions of Entrepreneur.
CO 2	To identify the basic qualities of an Entrepreneur.
CO 3	To enable the students to understand the Project report.
CO 4	To evaluate the .merits and demerits of online trading.
CO 5	To assess the policy implementation by government for Entrepreneurial development.
CO6	To equip the students to use Break even Analysis and SWOT Analysis
CO7	Understand the various financial institution which support EDP

**UNIT: I INTRODUCTION****[5 HRS]**

Entrepreneur - Types, Functions - Intrapreneur - Women Entrepreneurship: The micro finance and self help groups - Social Entrepreneurship in Non-Profit Organization - Online registration for entrepreneurs - Project Proposals to Funding agencies, Performa

**UNIT: II ECONOMIC ANALYSIS FOR AN ENTREPRENEUR****[5 HRS]**

Budgeting, Break-Even, SWOT and Profitability Analysis - PE ST Analysis - Project Analysis: PERT and CPM network analysis- Income Tax payment- GST Calculation.

**UNIT: III GOVERNMENT INSTITUTIONS AND SCHEMES****[5 Hrs]**

MSME-Government skill development centers: National Skill Development Mission- NSDC-PMKVY- DIC - CED- SIDO - NSIC - TCO- SIPCOT - NAYE- Commercial banks-SBI and other institutions- Governmental schemes and incentives promoting entrepreneurs- MSME: MSME Samadhan- MSME Sambandh -MSME Sampark- Startups - Tamilnadu startup Policy

**UNIT:IV BUSINESS OPPORTUNITIES- BRIEF INTRODUCTIONS****[5 Hrs]**

Agriculture: Horticulture, Floriculture, Kitchen garden and sales, Sale of seeds and agricultural products, Mushroom Cultivation, Vermi-Culture, Api-Culture etc -Industry Handicrafts - Service industry: Tour organisation, Tuition centers, Tailoring - Beauty Parlours- Home delivery of food - Female focused entrepreneurship

**UNIT: V ONLINE BUSINESS- BRIEF INTRODUCTIONS****[5 Hrs]**

Online Buying and selling: Case studies on Amazon, OLX - Facebook - blog creation - web creation - online marketing - scope for business in Online share trading - scope for business in Online commodity trading- scope for business in online exports

## UNIT VI - DYNAMISM

Project proposal for any product or service – Case study of any one Institutional loan schemes (Bank or non banking)- agri based and village based internship- On the Spot Learning Component: Visit to SHG to study their income generation activities and writing report - Case study any one women entrepreneur - On-the spot learning: Visit to industrial estate to meet entrepreneurs - Case study any one women entrepreneur - Collection of data regarding entrepreneurs

### Reference Books:

1. K.K. Sharma, G.R. Basotia, “Entrepreneurship & Small Business”, Mangal Deep Publications, Jaipur, 1<sup>st</sup> Edition, 2001.
2. M. Soundarapandian, “Rural Entrepreneurship – Growth and Potential”, Kanishka Publishers, New Delhi, 1<sup>st</sup> Edition, 2001.
3. S.S. Khanaka, “Entrepreneurial Development”, S. Chand & Company Limited, 1999.
4. Sujatha, “Entrepreneurial Development”, Krishna Printers, 1<sup>st</sup> Edition, 2004.
5. C.B. Gupta & S.S. Khanka, “Entrepreneurship and Small Business Management”, Sultan Chand.
6. Robert D. Hisrich “Entrepreneurship”, Tata Mc Graw Hill Company Ltd, 2007
7. Hirsch peters “Entrepreneurship “ Tata McGraw Hill Company Ltd, New York 2000

### DIGITAL OPEN EDUCATIONAL RESOURCES (DOER):

1. [https://www.startupindia.gov.in/content/dam/invest-india/Templates/public/state\\_startup\\_policies/Tamil\\_Nadu\\_Startup\\_Policy.pdf](https://www.startupindia.gov.in/content/dam/invest-india/Templates/public/state_startup_policies/Tamil_Nadu_Startup_Policy.pdf)
2. <https://www.msde.gov.in/pmkvy.html>
3. <https://www.startupindia.gov.in/>
4. [https://www.startupindia.gov.in/content/sih/en/idea\\_bank.html](https://www.startupindia.gov.in/content/sih/en/idea_bank.html)
5. <https://www.msde.gov.in/pmkvy.html>
6. <https://www.tnskill.tn.gov.in/>



7. <https://nsdcindia.org/>
8. <https://sipcot.in/amil-Nadu-state-policy.html>
9. <https://www.editn.in/>
10. [https://www.startupindia.gov.in/content/dam/invest-india/Templates/public/state\\_startup\\_policies/Tamil\\_Nadu\\_Startup\\_Policy.pdf](https://www.startupindia.gov.in/content/dam/invest-india/Templates/public/state_startup_policies/Tamil_Nadu_Startup_Policy.pdf)
11. <https://www.kviconline.gov.in/pmegpeportal/pmegphome/index.jsp>
12. <https://www.udyami.org.in/>
13. <https://www.udyami.org.in/entrepreneur-development>
14. <http://maditssia.com/index.php/madmin/bicactivities>
15. <http://www.sidco.tn.nic.in/>
16. [https://www.startupindia.gov.in/content/dam/invest-india/Templates/public/state\\_startup\\_policies/Tamil\\_Nadu\\_Startup\\_Policy.pdf](https://www.startupindia.gov.in/content/dam/invest-india/Templates/public/state_startup_policies/Tamil_Nadu_Startup_Policy.pdf)
17. Import, Export: <https://www.entrepreneur.com/article/41846>
18. <https://msme.gov.in/>
19. <http://www.msmeonline.tn.gov.in/>
20. [http://www.msmeonline.tn.gov.in/msme\\_partI/msmefiling.php](http://www.msmeonline.tn.gov.in/msme_partI/msmefiling.php)
21. <http://www.sidco.tn.nic.in/>
22. [https://www.tn.gov.in/scheme/department\\_wise/2](https://www.tn.gov.in/scheme/department_wise/2)
23. <http://tnchamber.in/key-initiatives/>

**III SEMESTER****MAJOR CORE****DEVELOPMENT ECONOMICS – 19PG3E9**

(For those who joined in 2019 onwards)

<b>PROGRAMME CODE</b>	<b>COURSE CODE</b>	<b>COURSE TITLE</b>	<b>HRS/WEEK</b>	<b>CREDITS</b>
<b>PAEC</b>	<b>19PG3E9</b>	<b>DEVELOPMENT ECONOMICS</b>	<b>6</b>	<b>4</b>

**COURSE DESCRIPTION**

This course deals with meaning and measurement of economic growth and development, growth theories and models also covers theories of foreign direct investment and foreign aid. The role of technological transfers and Brain train are investigated. This course analyses the cultural/social institutions, social-overhead capital, and poverty and income distribution.

**COURSE OBJECTIVE/S**

1. To equip the student with sound knowledge to appear for IES, IAS, NET, SET, JRF and other competitive examinations.
2. To enrich the knowledge of the students about the various concepts, theories and models of economic development.
3. To enable the students to understand the role of foreign Aid and foreign capital in Economic Development
4. To study the importance of Technological development and Brain drain in the Global era

**COURSE OUTCOMES**

On the successful completion of the course, students will be able to:

<b>NO.</b>	<b>COURSE OUTCOMES</b>
<b>CO 1</b>	Explain the models and Theories of Economics Development
<b>CO 2</b>	Analyse the impact of Transfer of Technology and Brain drain
<b>CO 3</b>	Assess the role of state in Economic Development
<b>CO 4</b>	Evaluate the impact of foreign capital and Foreign aid on Economic Development
<b>CO 5</b>	Identify the technological development in India and to discuss the Effect of Development Oriented Economic policies.

**UNIT I: MODELS OF ECONOMIC DEVELOPMENT [15HRS]**

Growth and Development –Classical and Neo classical Approaches - Harrod / Domar Model and its application – Mahalanobis model – Joan Robinsons model – Kaldor and Meade model. - **Amarthya Sen’s capability approach to economic development.(Self Study)**

**UNIT II: THEORIES OF GROWTH AND DEVELOPMENT [15 HRS]**

The Vicious Circle Theory – The stages of Growth – Lewis Theory of Surplus -Surplus labour – Big Push – **Balanced and Unbalanced growth (Self Study)** – Critical Minimum effort – Low level of Equilibrium trap –The wage Goods Model - Solow’s Theoretical Model.

**UNIT III:STATE AND ECONOMIC DEVELOPMENT [15 HRS]**

Creation Of Social and Economic Overheads - Agricultural Development – Industrial Development – Reduction Of Inequalities – Optimum Allocation Of Resources And Creation Of Full Employment – Impact Of COVID 19 On Economy Development Oriented Economic Policies –Changes In Institutional Framework – **State Participation In Economic Development-(Self Study).**

**UNIT IV: FOREIGN CAPITAL AND AID IN ECONOMIC DEVELOPMENT [15HRS]**

Types Of Foreign Capital - Role Of Foreign Aid – Case For Foreign Aid – Case Against Foreign Aid – **Tied Vs Untied Aid(Self Study)** – Factors Determining The Amount Of Foreign Aid For Economic Development – Aid Or Trade Two – gap model – A Critical Appraisal – Costs And Benefits Of Aid – Its Implications

**UNIT V: TECHNOLOGICAL CHANGE AND ECONOMIC DEVELOPMENT [15 HRS]**

Role Of Technology In Economic Development – Transfer Of Technology To Underdeveloped Countries – **Choice Of Appropriate Technology (Self Study)** – Brain Drain – Technological Development In India.

**UNIT VI - DYNAMISM/CURRENTAFFAIR:**

Case study on impact of Technology on Agriculture,Analysis of Technological Development In India, Impact of Foreign Direct Investment on the Indian economy.

**REFERENCES:**

1. R.K. Lekhi, “Economics of Growth Planning”, Kalyani Publishers, New Delhi, 4<sup>th</sup> Edition, 1996.
2. K.R. Gupta, “Economics of Growth Planning”, Ramlal Pury of Atma Ram & Sons, Delhi, 2<sup>nd</sup> Edition, 1971.

3. M.L. Jhingan, “Economics of Development and Planning”, Konark Publishers Private Limited, Delhi, 26<sup>th</sup> Edition, 1993.
4. R.L. Goel, Meenakshi Prakashan, “Economics of Growth Planning”, New Delhi, 5<sup>th</sup> Edition, [ Revised & Enlarged],
5. K.D. Gaur, Sarup & Sons, “Economics of Growth Planning”, New Delhi,
6. 1<sup>st</sup> Edition 1995.
7. Taneja Myer “ Economics of Development and Planning “ Shoban Lal Nagin
8. Chand & Co Jalandhar City -144004

**Digital Open Educational Resources (DOER) :**

1. <https://journals.sagepub.com/doi/full/10.1177/0972063420935541>
2. <https://voxeu.org/article/economic-consequences-covid-19-multi-country-analysis>

**III SEMESTER**  
**MAJOR CORE**  
**ECONOMETRICS – 19PG3E10**

(For those who joined in 2019 onwards)

PROGRAMME CODE	COURSE CODE	COURSE TITLE	HRS/WEEK	CREDITS
PAEC	19PG3E10	ECONOMETRICS	6	4

**COURSE DESCRIPTION**

The course provides an introduction to econometrics which concentrates on the understanding of basic concepts through explanation and example.

**COURSE OBJECTIVE/S**

1. Develop students' skills in the use of econometric techniques
2. To enable the students to acquire knowledge on accurate forecasting skills
3. To facilitate economics oriented exams like IES and other exams like IAS, NET etc

**COURSE OUTCOMES**

On the successful completion of the course, students will be able to:

NO.	COURSE OUTCOMES
CO 1	Facilitate students familiar with the application of econometrics in Economic theory.
CO 2	Enable students to interpret and grasp the essentials of regression output to allow them to access journal articles
CO 3	Demonstrate knowledge of regression analysis OLS
CO 4	Appraise the problems associated with using OLS when classical assumptions are violated
CO 5	Distinguish between different functional forms and justify which are appropriate for estimating economic models
CO6	Identify the causality between the economic variables
CO7	Enable the students to use the dummy variables in economic modelling.

**UNIT I: INTRODUCTION [15 HRS]**

Definition of Econometrics - Econometrics and Mathematical economics, Econometrics and statistics - Types of Data: Time Series, Cross Section and Panel data - Stochastic and Non-stochastic Relations - Reason for inclusion of error term in econometric model - Properties of Least Squares Estimators [ Theory only] -OLS- Assumptions.

**UNIT II: SIMPLE & MULTIPLE REGRESSION ANALYSIS [15 HRS]**

Simple Linear Regression Model: Functional Forms of Regression Models - Simple Problems in Simple Linear Regression. Multiple Regression Model: Estimation - Goodness of fit-  $R^2$  and Adjusted  $R^2$  - Application and Interpretation.

**UNIT III: VIOLATIONS OF CLASSICAL ASSUMPTIONS: REGRESSION DIAGNOSTICS [15 HRS]**

Autocorrelation – Meaning - Reasons for autocorrelation - Detection of Autocorrelation –Durbin Watson Test – Remedies, Heteroscedasticity - Reasons for heteroscedasticity - Tests for Heteroscedasticity – Goldfeld – Quandt test, Multicollinearity: Meaning - Reasons for Multicollinearity - Test for Detecting Multicollinearity.

**UNIT IV: DYNAMIC ECONOMETRIC MODELS [15 HRS]**

Autoregressive Model: Meaning - Distributed Lag Models: Meaning-Reasons for Lag: Estimation of Distributed Lag Model – The Kyock Approach.

**UNIT V: DUMMY VARIABLES [15 HRS]**

Nature of dummy variables- Use of dummy variables for measuring the shift of a function over time -. Use of dummy variables for measuring the change in parameters [ slopes] over time - Use of dummy variables in seasonal analysis.

**UNIT VI - DYNAMISM/CURRENTAFFAIR**

A case study on application of econometric model in Primary, secondary and service sector - Application of econometric tools in their Empirical research project - Comprehensive Test.

**REFERENCE BOOKS:**

1. Badi H. Baltagi, "Econometrics", Springer publication, U.S.A., 2005.
2. Gujarati, Damodar N, "Basic Econometrics", MC Graw - Hill, International Edition, 2004.
3. Johnston J, "Econometric Methods", MC Graw - Hill, New York, 1984.
4. Koutsoyiannis, "A Theory of Econometrics", Harper & Row, New York, 2004.

5. Maddala G.S, "Introduction to Econometrics", John Wiley & Sons Ltd., 2005.
6. Madnani G.M.K, "Introduction to Econometrics" Oxford & IBH Publishing Co. Pvt. Ltd., 1994.
7. Metha Madani, "Econometrics", Oxford and IBH Publishing Co. Pvt. Ltd., New Delhi, 2001.
8. Singh, S.P, Parashar, A.K, and Singh, H.P., "Econometrics", S. Chand & Co. Pvt. Ltd., New Delhi, 1999.
9. S. Shyamala, "Econometrics Theory and Applications", Vishal Publishing Co., Jalandhar-Delhi,2009.

**Digital Open Educational Resources (DOER)**

1. <https://stats.stackexchange.com/questions/61827/free-econometrics-textbooks>
2. <https://www.econometrics-with-r.org/>

**III SEMESTER****19PG3E11 RESEARCH METHODOLOGY**

(For those who joined in 2019 onwards)

PROGRAMME CODE	COURSE CODE	COURSE TITLE	HRS/WEEK	CREDITS
PAEC	19PG3E11	RESEARCH METHODOLOGY	6	5

**COURSE OBJECTIVES**

1. Students may gain knowledge in general definition of research design.
2. Students should know why educational research is undertaken, and the audiences that profit from research studies.
3. Able to identify the overall process of designing a research study from its inception to its report.
4. Students should be familiar with ethical issues in educational research, including those issues that arise in using quantitative and qualitative research.
5. Students may know the primary characteristics of quantitative research and qualitative research.
6. Students can be able to identify a research problem with suggestions.

**UNIT I: NATURE OF RESEARCH****[15 Hrs]**

Meaning of Research- Objectives of Research- Motivation in Research- Types of Research- Research approaches - Significance of Research and Scientific Method Research Process - Criteria of Good Research -Problems Encountered by Researchers in India- **Plagiarism check(Self Study)** and Ethics in Research

**UNIT: II RESEARCH PROBLEM AND RESEARCH DESIGN****[15 Hrs]**

Research Problem: Identification of the Problem – Formulation of the Problem- Criteria of a Good Research Problem. **Role of Review of Literature. (Self Study)**  
 Research Design: Meaning – Characteristics of a Good Research Design – Components of a Research Design – Types of Research Design.

**UNIT III: METHODS OF DATA COLLECTION****[15 Hrs]**

Primary Data: Mailed Questionnaire, Schedules, Interview Method, Observation and Case Study. Merits and Demerits of Primary Sources. Hypothesis testing: Garret ranking – likert scale – Gini ratio – Factor Analysis – Swot Analysis  
 Census and Sample Survey – Criteria for Selecting a Sample Procedure – Different Types of Sampling.



Secondary Data: Sources of Secondary Data – Precautions in the use of Secondary Data – Merits & Demerits. Student t-test, Chow test, F-test, Z- test, Unit root test, Chi-squared test, Compound growth rate, and Stability Analysis

**UNIT IV: FORMULATION AND TESTING OF HYPOTHESIS [ 15 Hrs]**

Definition of Hypothesis. Role of Hypothesis – Types of Hypothesis – Criteria for useful Hypothesis – its Formulation. **Procedure for Testing Hypothesis (Self Study)** – level of significance.

**UNIT V: PROCESSING OF DATA AND REPORT WRITING [ 15 Hrs]**

Data Processing – Scaling Techniques – Likert’s Scale - Tabulation – Editing – Coding – Analysis and Interpretation of Data – Precautions Interpretation – Steps in Report Writing – Format for Research Report – Preliminary, Text, Reference Material – **Foot Note, Index, Bibliography. (Self Study)**

**Practical Evaluation Components using case study, Survey Reports and presentation (PPT or oral):**

1. Seminar and presentation on practical research works
2. Doing individual project in research proposals
3. Collecting and writing review of articles with the above tools\

**REFERENCES:**

1. Donald .H. Mc Burney, “Research Methods”, Thomson-Wordsworth, 5<sup>th</sup> Edition, 2003.
2. Ghosh B.N., “Scientific Method & Social Research”, Sterling PublishersPvt.Ltd., New Delhi, 4<sup>th</sup> Edition 1987.
3. Goode and Hatt, “Methods and Social Research”, McGraw Hill International Book Company, 23<sup>rd</sup> Printing, 1983.
4. Gopal Lal Jain,”Research Methodology – Methods tools and Techniques”, Mangal Deep Publications, Jaipur 1998.
5. Kothari C.R., “Research Methodology”, New Age International Publishers, New Delhi,3<sup>rd</sup> reprint Edition, 2004.
6. Sadhu & Singh, “Research Methodology in Social Sciences”, Himalaya Publishing House, Mumbai, 2<sup>nd</sup> Edition,1983.
7. Santosh Gupta, “Research Methodology and Statistical Techniques”, Deep and Deep Publications, New Delhi, 2001.
8. Sonachalam K.S., “Research Methodology of Social Science”, Emerald Publishers, Madras, 1988.

9. Yogesh Kumar Singh and Ruchikanath, "Research Methodology", A.P.H Publishing Corporation, New Delhi 2005.
10. O.R. Krishnaswamy and M. Ranganathan, "Methodology of Research in Social Sciences", Himalaya Publishing House, New Delhi, 2006.
11. Villiam .J. Good & paul k. methods in social research hatt mcgraw hill international book company. Andrew J. Oswald "surveys in economics" black well oxford Uk Cambridge USA

### **Digital Open Educational Resources (DOER)**

1. <https://www.slideshare.net/DVutkarsh/research-process-and-research-design>
2. <https://open.umn.edu/opentextbooks/textbooks/75>

### **COURSE OUTCOMES**

On the successful completion of the course, students will be able to:

<b>NO.</b>	<b>COURSE OUTCOMES</b>
<b>CO 1</b>	Understand some basic concepts of research and its methodologies
<b>CO 2</b>	Identify appropriate research topics and Select and define appropriate research problem and parameters
<b>CO 3</b>	Prepare a project proposal (to undertake a project)
<b>CO 4</b>	Organize and conduct research (advanced project) in a more appropriate manner
<b>CO 5</b>	Write a research report and thesis and proposal for grant and assess critically the case study, structured surveys, interviews, report writing research methods

**III SEMESTER**  
**ALLIED CORE**  
**FINANCIAL MARKETS - 19PG3AE11**

(For those who joined in 2019 onwards)

PROGRAMME CODE	COURSE CODE	COURSE TITLE	HRS/WEEK	CREDITS
PAEC	19PG3AE11	FINANCIAL MARKETS	6	4

**COURSE DESCRIPTION**

Finance is the blood of business .it supports economic development industrial development and self help group

**COURSE OBJECTIVE/S**

1. To understand some important and core issues of Finance
2. to improve the knowledge on stock market
3. To enlighten them on self help group.
4. To develop understanding of the key concepts of financial markets and their relevance in the business settings
5. To equip them to face IES, IAS exams and NET exam
6. To equip students to apply their knowledge in stock market security market.
7. To make students aware of financial markets and its functions

**COURSE OUTCOMES**

On the successful completion of the course, students will be able to:

NO.	COURSE OUTCOMES
CO 1	To make the students to understand the Financial System
CO 2	To make aware of Money Market and Indian Stock Exchange.
CO 3	. To equip them to face IES, IAS exams and NET exam
CO 4	To know the latest technology of financial system evaluate the merits and demerits of online trading
CO 5	To know the concept of financial Inclusion.

**UNIT I: INTRODUCTION****[15 HRS]**

Nature, Role and Structure of Financial System – Classification of Financial Institutions. Financial Markets – Classification – Financial Instruments and Services. Equilibrium in Financial Markets – Role of Financial System in Economic Development. Indian Financial System in the Post 1990'S – **Indian Financial Sector reforms(Self Study)**

**.UNIT II: BANKING INSTITUTIONS****[15 HRS]**

[a] Commercial Banking – Functions – Investment and Portfolio Management– Special Role of Banks – Other Aspects. **Banking Innovations and Consortium Approach. (Self Study)**

[b] Regulatory Institution: The RBI – Organization and Management – Functions and its role. Recent Policy Developments.

**UNIT III: NON-BANKING FINANCIAL INSTITUTIONS****[15 HRS]**

Small Savings – Types of Instruments. Insurance Companies – LIC – GIC – UTI and Mutual Fund – Organization – Structure – Types. Investment Pattern and Return on Investment – MMMFS – Miscellaneous NBFIs, **Rural Financial Market (Self Study)**

**UNIT IV: MICRO FINANCE****[15 HRS]**

Meaning – origin- features Demand and supply of micro finance – Micro entrepreneurship and Business Development- Micro Finance and rural financial services – **Micro Finance in India. (Self Study)**

**UNIT V: FINANCIAL INCLUSION:****[15 HRS]**

Financial Inclusion - Introduction – definition — objectives –scope –need - components of financial inclusion– role of Lead Banks – basic no –frills bank account – relaxation of KYC norms – general CREDITS card and kisan CREDITS card – micro insurance – use of intermediaries as agents – financial literacy and CREDITS counseling - setting up of RUDSETIs – Establishment of FIF and FITF –indicators of financial inclusion outreach - **Pradhan Mantri Jan Dhan Yojana Scheme. (Self Study)**

**UNIT VI - DYNAMISM/CURRENTAFFAIR**

Case study of Self employment programmes.

**REFERENCES:**

1. G.S. Batra and P.C. Dangural, “Financial Services – New Innovations”, Deep and Deep Publications Pvt. Ltd, 2005.

2. L.M. Bhole, "Financial Institutions and Markets", Tata McGraw-Hill, 2005.
3. S.K. Aggarwal, "Stock Markets and Financial Journalism" Shipra Publication,
4. New Delhi, 1998
5. A.K. Sharma and G.S. Batra, "Indian Stock Market, Regulation, Performance & Policy Perspective", Deep and Deep Publications Pvt. Ltd, 2005.
6. Anthony Saunders, "Financial Markets and Institutions", Tata McGraw-Hill.
7. Peter S. Rose, "Money and Capital Markets – Financial Institutional &
  - a. Instruments in a Global Market Place", [ International Edition]
8. Johes ,Chris " Financial economics" London ,routledge , 2008.
9. Profor Torry "globalization and finance" Blackwell Publishers London 2005
10. Sushama Sahay., "Women and Empowerment - approaches & strategies", Discovery Publishing House, New Delhi,1998.
11. C. P Yadav., "Empowerment of Women", Anmol Publications, New Delhi, 2000.
12. N.P Hariharan., "Lights & Shades of Indian Economy", Vishal Publishing Company,
13. Arun .K. Singh., "Empowerment of Women in India", Manak Publications Pvt. Ltd.
14. Karmakar.K.G., "Rural CREDITS and SHG – Micro Finance Need & Concepts in India", Sage Publicatons , New Delhi, 1999.
15. Reema Rasha "Financial inclusion in under developed regions of India. SSDN publishers & Distributors, NewDelhi 2012.
16. Siddaraju U.G.Ramesh "Financial Inclusion in India Issues & Challenges" Centre for The Study of Social Exclusion & Inclusive Policy University of Mysore 978-81212-1182-6-2014.
17. Nirupam Mehrotra and et.al. Financial Inclusion – an overview, occasional paper 48, Department Of Economic Analysis And Research , Nabard, Mumbai , 2009.

#### **Digital Open Educational Resources (DOER)**

1. <https://pressbooks.bccampus.ca/jibcresearchmethods/>
2. <https://www.modares.ac.ir/uploads/Agr.Oth.Lib.17.pdf>

**III SEMESTER**  
**ELECTIVE**  
**AGRICULTURAL ECONOMICS - 19PG3EE1**

(For those who joined in 2019 onwards)

PROGRAMME CODE	COURSE CODE	COURSE TITLE	HRS/WEEK	CREDITS
PAEC	19PG3EE1	AGRICULTURAL ECONOMICS	6	5

**COURSE DESCRIPTION**

Study of farm size and productivity, agricultural finance, marketing, agricultural price policies, sustainability, impact of WTO.

**COURSE OBJECTIVES**

1. To enrich the knowledge of the students in Indian Agriculture.
2. To assess the position of Indian Agriculture at the Global level.
3. To enable the students to succeed in the competitive exams.

**COURSE OUTCOMES**

On the successful completion of the course, students will be able to:

NO.	COURSE OUTCOMES
CO 1	Identify the productivity trends of agriculture and the causes for low productivity.
CO 2	Realize the problem of farm size and need for co-operative farming
CO 3	Evaluate the need for Policy reforms in Public Distribution System
CO 4	capable of assessing the financial problems encountered by farmers
CO 5	Compile and analyse the innovations in agricultural financing

**UNIT I FARM SIZE AND PRODUCTIVITY**

**(15 HRS)**

The size of operating unit – advantages of large farms – advantages of small farms – Variations in the optimum size – meaning of economic holding – operational holding- factors determining farm size – problems of subdivision and fragmentation – Remedial measures- Corporate farming. **Indian Farm and scape. (Self Study)**

**UNIT II AGRICULTURAL FINANCE AND MARKETING****(15 HRS)**

Institutional Finance for agriculture- Commercial Banks - Co-operatives, RRB's, NABARD, LDB's, -reforms in agricultural credit policy- innovations in agricultural financing – microfinance-meaning, role and trends, kisan credit cards- SHGs'.

Importance of agricultural marketing –functions of agricultural marketing– marketing cost – Problems in marketing of agricultural products – marketable surplus and marketed surplus Regulated markets and Co-operative marketing- Storage and Warehousing in India. **Empowerment through SHG (Self Study)**

**UNIT III AGRICULTURAL PRICES AND PRICE POLICY****(15 HRS)**

Impact of fluctuations in agricultural prices- case for price stabilisation- Objectives of agricultural price policy -Instruments of agricultural price policy: Support price- Procurement price and issue price- Agricultural Prices and Cost Commission (APC), - Public distribution system- Buffer stock - An evaluation of agricultural price policy- Crop Insurance. **Trends in Crop Insurance (Self Study)**

**UNIT IV SUSTAINABLE AGRICULTURAL DEVELOPMENT****(15 HRS)**

Meaning- Composition – MNCs and Acquisition of Farm land- Bio Technology – Meaning and Trends - Organic Farming –. Contract Farming - Diversification of Agriculture in India- Second Green Revolution-National Commission on Farmer- Food Security in India. **Challenges in organic farming(Self Study)**

**UNIT V WTO AND INDIAN AGRICULTURE****(15 HRS)**

Impact of WTO on Agriculture- Agreements on Agriculture (AOA): Tariffication- Quota Restriction- Domestic Support- TRIPS and Indian Agriculture. Subsidy discipline- Patenting of seeds- Inputs and food subsidy. Problems of agricultural imports and exports- Recent EXIM policy. **Comparison of subsidies in different countries(Self Study)**

**UNIT VI: DYNAMISIM**

Case study on diversified agriculture-Study on the financial need and source of finance of farmers in particular area-.Study on channels of marketing of any agricultural product.

**REFERENCES:**

1. Amarjit Singh, Sadhu A.N & Jasbir Singh "Fundamentals of Agricultural Economics" Himalaya Publishing House, NewDelhi
2. Benjamin R.E., Hariharan S.B and Karunakaran M, "Economics of Agriculture", S. Chand Company Ltd.

3. Bishop C.E & Toursaint W.D. "Introduction to agriculture economics analysis" John Wiley & Sons – NewYork.
4. Desai R.G., "Agricultural Economics", Models Problems and Policy Issues, Himalaya Publishing House, Mumbai, 1<sup>st</sup> Edition.
5. Dhingra I.C, "Agriculture in Industrial Economics", S. Chand & Sons, 1<sup>st</sup> Edition.
6. Fernandis W.S. "Agricultural Trade and Practice in India" ARISE Publishers & Distributors – New Delhi.
7. Merlinda D. Ingco and John D.Nash "Agricultural and the WTO" The World Bank– Washington, D.C.
8. Mertin Upton "Agricultural Production Economics and Resource" - useOxford University.
9. Sadhu & Singh "Fundamentals of Agricultural Economics" Himalaya Publishing House.
10. Cohen R.L., "Economics of Agriculture", James Nishet & Co Ltd., Cambridge at the University Press, 1<sup>st</sup> Published.

**Digital Open Educational Resources (DOER)**

1. <https://www.intechopen.com/books/agricultural-economics-current-issues/introductory-chapter-agricultural-economics>
2. [http://www.dphu.org/uploads/attachements/books/books\\_2159\\_0.pdf](http://www.dphu.org/uploads/attachements/books/books_2159_0.pdf)
3. [http://www.rvskv.net/images/Principles-of-Agricultural-Economics\\_17.04.2020.pdf](http://www.rvskv.net/images/Principles-of-Agricultural-Economics_17.04.2020.pdf)



**III SEMESTER**  
**MAJOR ELECTIVE**  
**GENDER ECONOMICS - 19PG3EE2**

(For those who joined in 2019 onwards)

PROGRAMME CODE	COURSE CODE	COURSE TITLE	HRS/WEEK	CREDITS
PAEC	19PG3EE2	GENDER ECONOMICS	6	5

#### **COURSE DESCRIPTION**

The course on Gender Economics deals with the social assignments of traits and competencies to people based on their biological sex. It means into the economic phenomenon by looking at how social norms and power structure impact on the lives and opportunities available to men, women and transgender.

#### **COURSE OBJECTIVE/S**

1. To explore gender issued as an opportunity to presented and master analytical and empirical tools used in the social sciences
2. To systematically analyse the meaning of sex and gender in past and present societies.
3. To cite gender relations and power dynamics behind individuals access to and distribution of resources.

#### **COURSE OUTCOMES**

On the successful completion of the course, students will be able to:

NO.	COURSE OUTCOMES
CO 1	Identify the role of gender in determining work profiles & other Economic circumstance
CO 2	Recall the concept of Gender, Gender statistics & Institutionalization of Gender Economics
CO 3	Gives scope to outline the comparative advantages in the unpaid work of women
CO 4	Restate the significance of gender in economic process & outcomes
CO 5	Analyse the difference in labour force participation
CO 6	Compare budgetary allocations on the basis of gender
CO 7	Discuss a residual gender gap in the labour market
CO 8	Identify individual access to resources and ability to make decisions among men , women and transgender

**UNIT I: CONCEPTS AND THEORETICAL APPROACHES IN GENDER ECONOMICS**  
**(15HRS)**

Concept of Gender Economics - Difference between Gender and Sex–Sexual Orientation- LGBTQ- Gender division of work - Invisibility of women’s work –Women’s contribution to GDP - Gender Mainstreaming - Gender Concerns in Economic Theory - Sen’s views - Concept of Equity vs. equality& Feminization of Poverty

**UNIT II: METHOD OF GENDER ECONOMICS** **(15HRS)**

Subject of Gender Economics - Institutionalization of Gender Economics - Methods of Gender Economics - Inter-Disciplinary Approach - Macro and Micro Level of Studies - Gender statistics and system of sources of data on the Health Education & empowerment - framework of an integrated system of gender state statistics.

Analysis of Women’s work- Labour Force Participation – Factors influencing work participation – Occupational Segregation and Crowding-in Effect - Marginalization of women - market bias –

**UNIT III: GENDER INDICES** **(15HRS)**

Equity Index - Gender Inequality Index of UNDP - Gender Status Index - Gender in Human Development - Gender Development Index - Gender Empowerment Index - Gender in Social Development Indicators - the OECD Social Institutions and Gender Index (SIGI)

**UNIT IV: GENDER ANALYSIS TOOLS AND GENDER BUDGETS** **(15HRS)**

Gender Analysis Tools: Desk Review- Household Review- FGD- Semi-structured Questionnaire- Case Studies- Stakeholders Workshops

Gender Budgets: Gender Budgeting - Methodology of Gender Budget Preparation - Approaches and Principles of Gender Budgeting - Gender Budgeting in India

**UNIT V: GOVERNMENT& NON-GOVERNMENT INITIATIVES IN INDIA**  
**(15HRS)**

Status of Women Report 1971& 2018 - Gender Analysis of Development Policy - Engendering Development Policies - Women Development Programs from Independence - Objectives and Methods of Gender Policy in India - Paradigm Shift from Welfare to Empowerment – Role of Ministry of Women and Child Development

Role of NGOs - Development Initiatives - Role of Women's Organizations - Mobilizing, Networking & Advocacy - Grass Root Level Initiatives - Micro Finance and Micro Enterprises - Self Help Groups (SHGs)

## **UNIT VI - DYNAMISM/CURRENTAFFAIR**

Case study on violation of women's rights -Raising voice against Sexual harassment at work place .

### **REFERENCES:**

1. Eswaran, M. (2014), Why Gender Matters in Economics, Princeton University Press.
2. Anne-Marie Slaughter Unfinished Business: Women Men Work Family, Penguin Random House 2016
3. Bosarup Ester, (1970) Women's Role in Economic Development, George Allen and Unwin, London.
4. Devasia Leelamma (1994) Empowering Women for Sustainable Development, Ashish Publishing House, New Delhi
5. Jacobsen, J. (2007), The Economics of Gender, Wiley-Blackwell.
- Gardiner.J (1997) Gender, Care and Economics, Palgrave Macmillan
6. Kabeer Naila, *Reversed Realities: Gender Hierarchies in Development Thought*, Kali for Women, New Delhi.
7. Sen, A. and J. Drèze (1995), *India: Economic Development and Social Opportunity*, Oxford University Press

### **Digital Open Educational Resources (DOER) :**

1. <https://www.igi-global.com/book/gender-economics-breakthroughs-research-practice/207676>
2. <https://oer.bmcc.cuny.edu/academic-subjects/gender-womens-studies/>

**IV SEMESTER****MAJOR-CORE****INDIAN FISCAL SYSTEM – 19PG4E12**

(For those who joined in 2019 onwards)

PROGRAMME CODE	COURSE CODE	COURSE TITLE	HRS/WEEK	CREDITS
PAEC	19PG4E12	INDIAN FISCAL SYSTEM	6	5

**COURSE DESCRIPTION**

This course examines the subject matter of Fiscal economics, Budget and Deficit financing. It emphasizes the problems of Allocation of resources between the Centre-state and local bodies.

**COURSE OBJECTIVE/S**

1. To explain the students about Indian Fiscal System.
2. To create awareness about the Federal Finance.

**COURSE OUTCOMES**

On the successful completion of the course, students will be able to:

NO.	COURSE OUTCOMES
CO 1	Asses India's Tax GST Structure, VAT and GST
CO 2	Identify the Causes and growth of Public Expenditure and measures to reduce the same.
CO 3	Analyse India's Debt position and Dept policy.
CO 4	Discuss the Centre, State and Local financial Relationships and to identify the Problems and Measures to improve their Relationship.
CO 5	Evaluate Latest Budget and Fiscal Policy.

**UNIT I: PUBLIC REVENUE****[15 HRS]**

India's Tax Structure – aspects – Evaluation. New economic Policy & Tax structure – Taxation of Services. – Presumptive Taxation – **Black Money & Taxation, VAT. (Self Study)**

**UNIT II: PUBLIC EXPENDITURE****[15 HRS]**

Development & Non-Development expenditure – Plan and Non-Plan expenditure – Major items of expenditure of Centre & State – Growth of Public Expenditure – causes for the growth of deficit- **NEP and Expenditure Reforms. (Self Study)**

**UNIT III: III PUBLIC DEBT****[15 HRS]**

India's Public Debt – Role - **Growth – Burden (Self Study)** –effects- Problems – Evaluation of debt policy. Public Debt Management – Debt redemption measures.

**UNIT IV: IV FEDERAL FINANCE & LOCAL FINANCE****[15 HRS]**

Principles of Federal finance- -Distribution of financial resources under XI&XII Finance Commission- latest finance commission – Problems in Centre state financial relationship.

**Local finance (Self Study)**- Functions and sources of revenue – measures to improve local finance. **Measures to solve Problem (Self Study)**

**UNIT V: BUDGET & FISCAL POLICY****[15 Hrs]**

Budget-Meaning-types-Preparation and presentation-budget deficit and deficit financing - Measures to check deficit financing –Evaluation of latest budget – Fiscal Policy and Economic Development - India's fiscal policy – **Evaluation of fiscal policy. (Self Study)**

**UNIT VI DYNAMISM/CURRENTAFFAIR****[15 HRS]**

Trends in India's Public expenditure/Taxation, Trends in India's Public Debt, Analyse the current budget Income and Expenditure of Madurai corporation /Municipalities/Punchayat

**REFERENCES:**

1. H.L. Bhatia," Public Finance", Vikas Publishing House Private Limited, New Delhi, 27<sup>th</sup> Revised Edition, 2017.
2. V.G. Mankar, "Public Finance [ Theory and Practice]", Himalaya Publishing House, Bombay, 1<sup>st</sup> Edition, 1992
3. D.M. Mithani, "Modern Public Finance [ Theory and Practice]", Himalaya Publishing House, Bombay, 1<sup>st</sup> Edition, 2014
4. B.P. Tyagi, "Public Finance", Jai Prakash Nath & Company, Meerut, 44<sup>th</sup> Edition, 2016.
5. P.N. Varsney and D. K. Mital, "Indian Financial system", Sultan Chant & Sons., New Delhi, Ediltion 2004.

**Digital Open Educational Resources (DOER) :**

1. [www.blogcatalog.com](http://www.blogcatalog.com)
2. [www.oecd.org](http://www.oecd.org)
3. [www.doi.wiley.com](http://www.doi.wiley.com)
4. <http://www.igntu.ac.in/eContent/IGNTU-eContent-457919741593-B.Com-6-Prof.ShailendraSinghBhadouriaDean&-FINANCIALSERVICES-All.pdf>

**IV SEMESTER****MAJOR****19PG4E14- INTERNATIONAL ECONOMICS**

(For those who joined in 2019 onwards)

<b>PROGRAMME CODE</b>	<b>COURSE CODE</b>	<b>COURSE TITLE</b>	<b>HRS/WEEK</b>	<b>CREDITS</b>
<b>PAEC</b>	<b>19PG4E14</b>	<b>INTERNATIONAL ECONOMICS</b>	<b>6</b>	<b>5</b>

**COURSE DESCRIPTION**

The study of domestic and international trade, market inter country and inter country agreements. It studies about the international financial institutions IMF, WTO, and so on.

**COURSE OBJECTIVE/S**

1. To Provide insight into the theories of the subject
2. To inculcate knowledge of global trade

**COURSE OUTCOMES**

On the successful completion of the course, students will be able to:

<b>NO.</b>	<b>COURSE OUTCOMES</b>
<b>CO 1</b>	Discuss the theories of International Trade.
<b>CO 2</b>	Analyse Balance of Payment and Balance of trade
<b>CO 3</b>	Explain Foreign Exchange Market and Euro Currency Market
<b>CO 4</b>	Assess the Impact of International financial institutions.
<b>CO 5</b>	Evaluate the performance of GATT and WTO and other Global Trade Institutions.

**UNIT I:THEORIES OF INTERNATIONAL ECONOMICS****[15 HRS]**

Absolute cost theory of Smith - Comparative Cost theory of Ricardo's - Heckscher- Ohlin Theorem - **Reciprocal Demand** - Opportunity cost theory.

**UNIT: II BALANCE OF PAYMENT & TRADE****[15 HRS]**

Structure of Balance of payments Accounts -Disequilibrium and measures to correct disequilibria - FDI - FII- NRI - Foreign Exchange, Reserves, Foreign Exchange Market - Foreign Exchange rate - Determination of exchange rate - Mint parity theory - Purchasing power parity theory - Balance of payment theory. **Foreign Exchange Reserves.**

**UNITIV: ECONOMIC INTEGRATION****[15 HRS]**

Customs union - Trade Blocks - Eurocurrency market - European Union - European Economic Community - ASEAN - SAARC - SAPTA - SAFTA - **BRICKS**.

**UNIT IV: INTERNATIONAL FINANCIAL INSTITUTIONS****[15HRS]**

**IMF** - IBRD and its affiliates IDA-IFC - ADB- UNCTAD - GATT -WTO TRIPS TRIMS.

**UNIT V INDIA'S POSTION AT INTERNATIONAL LEVEL****[15 HRS]**

India's foreign trade: Composition, Trend - India's balance of payment -India's FDI and FPI- India's External borrowing- NRI earnings- Foreign exchange reserves in India. **India's position in the international level** - International Rating Agencies and their ranking of India in the international level.

**UNIT VI :DYNAMISM/CURRENTAFFAIR**

Trends in India's Public expenditure/Taxation - Trends in India's Public Debt - Analyse the current budget - Income and Expenditure of Madurai corporation/Municipalities/Local Government

**REFERENCE BOOKS:**

1. Francis Cherunilam, "International Economics", Tata McGraw-hill Publishing Company Ltd., New Delhi, 2013.
2. K.R. Gupta, "International Economics", Atman ram and sons, Delhi, 1978.
3. Jeevanandham, Victor Louis, Kalyani, Padma, Hemavathi, "International Economics", Sultan Chand & Sons, New Delhi, 2001.
4. Krugman, Paul & Mautice Obstfeed, "International Economics", Addison Wesley, 1999.
6. H.G. Mannur, "International Economics", Vikas Publishing Pvt. Ltd., Mumbai, 1995.
7. M. N. Mishra, "Money Banking & International Trade", Chand & Company Ltd., New Delhi, 1989.
8. D.M. Mithani, "International Economics", Himalaya Publishing House, New Delhi, 1993.
9. M.L. Jhingan, "International Economics", Vrinda Publications Pvt. Ltd., Delhi, 2006.

**Digital Open Educational Resources (DOER) :**

1. <https://ocw.mit.edu>.
2. <https://www.springer.com>



**IV SEMESTER**  
**MAJOR**  
**19PG4E13- BEHAVIOURAL ECONOMICS**

(For those who joined in 2019 onwards)

PROGRAMME CODE	COURSE CODE	COURSE TITLE	HRS/WEEK	CREDITS
PAEC	19PG4E13	BEHAVIOURAL ECONOMICS	6	5

**COURSE DESCRIPTION**

Latest developments in Behavioural Economics after Richard Thaler

**COURSE OBJECTIVE/S**

1. The course will expose students to several major topics in Behavioural Economics and will look to link theory with empirical applications.
2. The paper will analyse the role of behavioural economics in the context of both consumer and firm.
3. In particular, the course will focus on departures from neoclassical preferences and from rational expectations.
4. To equip them to face international Competitions.

**COURSE OUTCOMES**

On the successful completion of the course, students will be able to:

NO.	COURSE OUTCOMES
CO 1	Students will become internationally competitive
CO 2	The students become aware of challenges facing the course Economics
CO 3	Updated knowledge is acquired
CO 4	Students learn latest theories

**UNIT I: INTRODUCTION**

**[15HRS]**

Homo Sapien vs Homo Economicus –Failure of standard model, need for behavioural Economics

**UNIT II: TIME PREFERENCES****[15HRS]**

Exponential discounting –  $\beta$ - $\delta$  discounting model: present bias preferences – Features – Advantages – Disadvantages – Read and van Leeuwen [ 1998]

**UNIT III: RISK PREFERENCES****[15 HRS]**

Allies paradox: common ratio effect, common consequence effect –Explaining Allies paradox with prospect theory: Original prospect theory, Cumulative prospect theory – Endowment effect

**UNIT IV: HEURISTICS****[15HRS]**

Type 1 and type 2 thinking – Types of heuristics and biases – Availability heuristic: [bias 1: ease of recall, bias 2: retrievability] – Representativeness heuristic [bias 1: insensitivity to base rates, bias 2: insensitivity to sample size, bias 3: misconception of chance, bias 4: regression to the mean, bias 5: the conjunction fallacy] – Confirmation heuristic [ bias 1: the confirmation trap]

**UNIT V: BEHAVIOURAL GAME THEORY****[15 HRS]**

Dictator game – Ultimatum game – Public goods game [or Voluntary contribution mechanism] – Battle of the sexes – traveller's dilemma.

**Unit VI DYNAMISM**

Presentation of case study of books on behavioral Economics- Model cases of different concepts - Cases for Behavioral irrationalities

**REFERENCE BOOKS:**

1. Sanjit Dhami, 'The foundations of Behavioural Economics' Oxford Publishers
2. Nick Wilkinson and Mathias Kaes, 'An introduction to Behavioural Economics'
3. Edward Cartwright, 'Behavioural Economics' Routledge Paperback
4. Roth and JohnH Kagel, 'Handbook of Experimental Economics' The Princeton University Press
5. Daniel Kahneman, 'Thinking fast and slow' Farrar, Straus and Giroux [FSG] Publishers

**Digital Open Educational Resources (DOER) :**

1. <http://www.mba-asap.com>
2. <https://www.routledge.com/>

**IV SEMESTER**  
**MAJOR**  
**19PG4E15 - ENVIRONMENTAL ECONOMICS**

(For those who joined in 2019 onwards)

PROGRAMME CODE	COURSE CODE	COURSE TITLE	HRS/WEEK	CREDITS
PAEC	19PG4E15	ENVIRONMENTAL ECONOMICS	6	5

**COURSE DESCRIPTION**

Awareness on environmental problems and issues in India and rest of the world

**COURSE OBJECTIVE/S**

1. To make students aware of environmental problems facing our countries
2. To study how economic activities affect the environment.
3. To understand some important and core issues of environment.
4. To improve the knowledge on scarce energy usages
5. To enlighten them on environmental protection efforts
6. To develop understanding of the key concepts of environmental economics and their relevance in the business settings
7. To equip students to apply tools of environmental economics in resolving business.

**COURSE OUTCOMES**

On the successful completion of the course, students will be able to:

NO.	COURSE OUTCOMES
CO 1	Know core concepts and methods from ecological and physical sciences and their application in environmental problem-solving.
CO 2	Appreciate key concepts from economic, political, and social analysis as they pertain to the design and evaluation of environmental policies and institutions.
CO 3	Gain knowledge on ethical, cross-cultural, and historical context of environmental issues and the links between human and natural systems.
CO 4	Reflect critically about their roles and identities as citizens, consumers and environmental actors in a complex, interconnected world.

**UNIT I: BASIC CONCEPTS AND THEORIES****[15 HRS]**

Eco-System - Pollution: Land, water, Air, Noise - Methods of Pollution Control  
 Private Market - Market Failure -**Externalities(Self Study)** -- Environment as a  
 Public Good – Costs – Benefit analysis of Environment -Coase Theorem

**UNIT II : ENERGY AND RESOURCES****[15 HRS]**

Renewable & Non-renewable Sources of Energy: Thermal, Nuclear, Hydel  
 Power, Solar, Wind & Nuclear Energy - water resource – **ground water scarcity(Self  
 Study)**

**UNIT III: INDIAN ENVIRONMENTAL CHALLENGES****[15 HRS]**

Interlinking of rivers- Cavery water issue – Farmers challenges - Sethu Samuthram  
 Project- Koodankulam Project – Nutrino- Kathiramamangalam Metane issue -  
 Chennai - Salem Greenfield Highway Project- Enayam Port –Sterlite Issue- Kulasai  
 Rocket Launching Issue - **Bhopal Gas Tragedy (Self Study)**

**UNIT IV: INTERNATIONAL ENVIRONMENTAL ISSUES:****[15 HRS]**

Carbon Neutral, Chernobyl disaster- Japan nuclear disaster- Clamenseu ship  
 issue--tsunami, Rio – summit deliberations.- Nuclear wars –International waste  
 dumping in sea and space – **COVID19 and the environment- positive  
 environmental effects-negative environmental effects-potential strategies of  
 environmental sustainability- Environmental ranking of countries (Self Study)**

**UNIT V: ENVIRONMENTAL MANAGEMENT****[15 HRS]**

Economic Instruments – Fiscal Measures, Effluent Charges, Subsidies,  
 Financial Incentives. Non-economic Instruments – Environmental Education, Peoples  
 Participation, **Voluntary Organizations (Self Study)** – Environmental Regulations  
 and Laws– Disaster Management

**Unit VI DYNAMISM**

**Practical Evaluation Components using case study, Survey Reports and  
 presentation (PPT or oral):**

Seminar and presentation on case study of core environmental issues

Doing individual projects on current environmental issues

**REFERENCES:**

1. Baumol .J. William and Oates .E.Wallace, “The Theory of Environmental Policy Externalities, Public Outlay on the Quality of Life”, Prentice Hall Inc.,1987.
2. Burrows P., “The Economic Theory of Pollution Control”, Marton Robertson Publication, 1988.
3. Dhulasi Birinda, “ Environomics”, Allied Publication, Ahamedabad, 2001.

4. Eugene T., "Environmental Economics", Vrinda Publication New Delhi, 2004.
5. Karpagam M., "Environmental Economics", Sterling Publishers Private Ltd.,
6. Mahajan V.S., "Environment Planning, Machinery and Management", Deep & Deep Publns
7. Maheswar Dayal, "Renewable Energy, Environment and Development", Konark Publishers, New Delhi, 1989.
8. Kjell Arne Brekke "Economics growth and the environment" Edward Elgar Publishing Limited UK 1997
9. Antonio S. Camara "Environmental systems a multidimensional approach" US by Oxford University Press Inc. New York 2002.
10. Alan Cottrell "Environmental economics" Edward Arnold Publisher Ltd. London 1978.
11. Antonica Cornwell & John Creedy "Environmental taxes and economic welfare" Edward Elgar Publishing Ltd Uk & USA ,1997.
12. Andrew Holden "Environment and tourism" Routledge Taylor & Francis Group Uk 2003.
13. P.K. Rao "International environmental" Blackwell Publishers Inc USA 2002.
14. Peter B. "Kaufman creating a sustainable future" SCI Tech Publishing LIC, USA 2002

**Digital Open Educational Resources (DOER) :**

1. [http://web.ccsu.edu/faculty/kyem/GEOG433/International\\_Problems/INTERNATIONAL\\_ENVIRONMENTAL\\_PROBLEMS.htm](http://web.ccsu.edu/faculty/kyem/GEOG433/International_Problems/INTERNATIONAL_ENVIRONMENTAL_PROBLEMS.htm)
2. <http://www.yourarticlelibrary.com/environment/10-major-environmental-challenges-faced-by-india/9862>
3. [http://archive.mu.ac.in/myweb\\_test/M.A.Part%20-%20II%20-%20Paper%20VII.pdf](http://archive.mu.ac.in/myweb_test/M.A.Part%20-%20II%20-%20Paper%20VII.pdf).
4. <https://www.edf.org/climate/methane-other-important-greenhouse-gas>.
5. <http://www.environment.gov.au/marine/publications/factsheet-dumping-wastes-se>
6. [https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7498239/https://www.researchgate.net/publication/344369614\\_Environmental\\_effects\\_of\\_COVID\\_pandemic\\_and\\_potential\\_strategies\\_of\\_sustainability](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7498239/https://www.researchgate.net/publication/344369614_Environmental_effects_of_COVID_pandemic_and_potential_strategies_of_sustainability)

**IV SEMESTER**  
**MAJOR ELECTIVE**  
**NATIONAL INCOME ACCOUNTING – 19PG4EE4**

(For those who joined in 2019 onwards)

PROGRAMME CODE	COURSE CODE	COURSE TITLE	HRS/WEEK	CREDITS
PAEC	19PG4EE4	NATIONAL INCOME ACCOUNTING	4	4

#### **COURSE DESCRIPTION**

The course provides an insight to evaluate the magnitude of our economic performance that is essential to planners and policy-makers so as to know how well the economy is performing thereby; they can set goals and make policy recommendations.

#### **COURSE OBJECTIVES**

To explain the difficult and technical concepts used in Accounting National Income in a simple and lucid manner to the students.

To make the students understand the meaning and significance of the tables in the National Accounts statistics of India by CSO Publication.

#### **COURSE OUTCOMES**

On the successful completion of the course, students will be able to:

NO.	COURSE OUTCOMES
CO 1	Empower the students to work in the field of CSO preparing Standard National Income Accounts.
CO 2	Create and assess the useful tool for the working of NI in Modern economy.
CO 3	Identify with double counting in National Income.
CO 4	Helps in formulation of economic policy in an economy.
CO5	Enrich the students' employability in corporate, quasi- corporate and unincorporated enterprises.
CO6	Create clear understanding of the relationship between the concepts like operating surplus, transfer payments and compensation of employees while calculating National income.
CO7	Compute the different methods of National Income which will enable them

	to get in to the department of National income Accounts.
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**UNIT I: INTRODUCTION****[15 HRS]**

National Income- History of National Income calculation- Pre-independence and post independence estimates of national income- worldwide calculations of national income

Stock and Flow- National Income Accounting and Social Accounting and environmental accounting- Circular Flow of income - Functional classification of an Economy into sectors: Production Sector-Consumption Sector-Government Sector. Sectors of Indian Economy - Sectoral division for National income calculation-Capital Formation: Gross Domestic capital formation – Gross domestic fixed capital formation and change in stock. Economic flows: flow and stock. Circular flow of National income: Production flow, Income flow and expenditure flow.

**UNIT II: CONCEPTS OF NATIONAL INCOME****[15HRS]**

GDP, GNP, GNI - NNP at market price and factor cost- NNI- NI-DI - PCI - Nominal and Real GDP- GDP Calculation in India - GDP Deflator - Net-factor income Abroad: Meaning – components of NFIA, Subsidy, Transfer payments: meaning – current transfers and capital transfers, current transfers to the rest of the world and capital transfers from rest of the world, **International Indices:** Standard & Poor's 500 Index - Dow Jones Industrial Average (DJIA)- Nasdaq 100 Index - Vanguard S&P 500 ETF (VOO)- Wilshire 5000 Total Market Index- MSCI EAFE Index - the Bloomberg Barclays US Aggregate Bond Index

**UNIT III: METHODS OF MEASURING NATIONAL INCOME IN INDIA: [15 HRS]**

1. Value added method: Steps involved and precautions taken while calculating National income by VA method, Calculation of GDP, NDP, GNP, NNP at market price and factor cost.

2. Income method: Steps involved and precautions taken while calculating National income by income method, calculation of domestic income [NDP at FC], National income, private income, personal income, personal disposable income.

3. Expenditure method: Steps involved and precautions taken while calculating National income by Expenditure method. Final consumption expenditure: Final consumption expenditure of general government, households and of private non-profit institutions. **Difficulty in measuring**

**UNIT IV: NATIONAL INCOME CALCULATION IN INDIA:****[15 HRS]**

Indian organisations involved in national income calculation: -The Central Statistics Office -

National Accounts Division (NAD) under the Ministry of Statistics and Program Implementation

Wholesale Price Index (WPI) and Consumer Price Index by the Price Monitoring Cell in the Department of Consumer Affairs under the Ministry of Consumer Affairs.

Index of Industrial Production (IIP) is sourced from the Industrial Statistics Unit of the Department of Industrial Policy and Promotion under the Ministry of Commerce and Industry.

**UNIT V: INDIAN DATA COLLECTION PROCESS:****(15HRS)**

Consumer Price Index - Wholesale Price Index - Industrial Index - Wholesale Price Index The Office of the Economic Adviser, Department for Promotion of Industry and Internal Trade - Consumer Price Index (CPI) : Price Monitoring Division(PMD) in the Department of Consumer Affairs Consumer Price Indices being released by CSO - Index of Industrial Production (IIP): The Office of the Economic Advisor, Ministry of Commerce and Industry- National Stock Indices: NSE, NIFTY, SENSEX

**UNIT VI - DYNAMISM/ CURRENT AFFAIR**

A case study on calculating national income and PCI- A case study on self-employed personal towards mixed income in calculating National income - Assignment on a case of double counting in any food processing.

**REFERENCES:**

1. C.B. Sach Deva, "National Accounting", Revised Edition, Arya Book depot, Karol Bagh, New Delhi , 1996.
2. Uma Datta Roy Choudhury & Moni Mukherjee, "National Accounts Information System", Macmillan India Ltd, New Delhi, 1994.
3. Raman D.V. Bombay, "National Accounts & Input Output Accounts of India", Asia Publishing House, New Delhi.

**Digital Open Educational Resources (DOER) :**

1. <http://niilmuniversity.in/coursepack/humanities/National Income Accounting .pdf>
2. <http://web.pdx.edu/~ito/Krugman-Obstfeld-Melitz/Manuscripts-second%20pass/First%20pass/M13 KRUG6654 09 SE C13.pdf>
3. <https://ncert.nic.in/ncerts/1/leec102.pdf>



**IV SEMESTER**  
**MAJOR ELECTIVE**  
**INDUSTRIAL ECONMICS – 19PG4EE5**

PROGRAMME CODE	COURSE CODE	COURSE TITLE	HRS/WEEK	CREDITS
PAEC	19PG4EE5	INDUSTRIAL ECONMICS	4	4

### COURSE DESCRIPTION

This course provides an introduction to current theory and empirical work in Industrial economics.

### COURSE OBJECTIVE/S

1. To provide knowledge to the students on the basic issues involved in the industrial development of India.
2. The students can enter into any industries with their sound knowledge about the various aspects of industries or take up self employment.

### COURSE OUTCOMES

On the successful completion of the course, students will be able to:

NO.	COURSE OUTCOMES
CO 1	Understand the concept and theories of industrial economic
CO 2	Make the students knowledgeable to appear for competitive exams
CO 3	Gain knowledge in the field of cost benefit anaysis
CO 4	Analyze the sources of industrial finance
CO5	Design the various problems according to the economic status

### UNIT- I INDUSTRIALIZATION

**(15HRS)**

Meaning – Importance – Factors inhibiting industrial development – Remedial Measures – **Industrial progress during five year plans(Self Study)**. Industrial location – Factors influencing location – Theories of Location - Sargent Florence Theory – Weber`s theory.

**UNIT -II OWNERSHIP AND CONTROL OF INDUSTRIES (15 HRS)**

Ownership and control of industries: **Public sector, Private sector, Joint sector, co-operative sector (Self Study)** Need and intervention of government - Ways and means, social control –Legal framework - Evaluation of industrial policies.

**UNIT- III INDUSTRIAL FINANCE (15 HRS)**

Owned, external and other sources of funds. Role, nature, volume and types of institutional finance - **IDBI, IFCI, SFCs, SIDC(Self Study)**, commercial banks, etc., . Financial statement - Balance sheet, Profit and loss account - Assessment of financial soundness - Ratio analysis.

**UNIT-IV PROJECT APPRAISAL (15HRS)**

Cost-benefit analysis - **Net Present Value (NPV) (Self Study)** and internal rate of return (IRR) criteria - Balancing private and social returns.

**UNIT -V INDUSTRIAL PROBLEMS AND PROSPECTS (15 HRS)**

Industrial sickness – Definition – Magnitude – Causes –Consequences – Government policy in regard to industrial sickness - **RATIONALIZATION(Self Study)** – Definition - Aims – Measures for carrying out rationalization – Advantages – Dangers – Attitudes of employers, workers and Government towards rationalization – Rationalization of industries in India. Industrial Clusters – Definition- The pure agglomeration model-The industrial complex model-The social network model- Advantages and Disadvantages of Industrial Clusters.

**REFERENCES:**

1. Amarjit Singh; A N Sadhu “Industrial Economics”, Himalaya Publishing house, Delhi, 1988
2. Barthwal, R.R. “Industrial Economics”, New Age International Pvt. Ltd., 2010.
3. Cherunilam, F, Industrial Economics : Indian Perspective (3rd Edition), Himalaya Publishing House, Mumbai, 1994
4. Dhingra, I.C The Indian Economy Environment and Policy, Sultan Chand, 2014
5. Government of India, Economic Survey (Annual).
6. Kutchhal, S.C. , Industrial Economy of India (5th Edition), Chaitanya Publishing House, Allahabad, 1980
7. Misra and Puri, “Indian Industrial Economy”, Himalaya Publishing house, New Delhi, 1989.
8. Sharma, A.K. “Industrial Economics’, Anmol Publications Ltd, New Delhi, 2006.
9. Sivayya K.V& V.B.M. Dhas, “Industrial Economics”, S. Chand Company Ltd. New Delhi, 1990

**Digital Open Educational Resources (DOER) :**

1. <https://www.freebookcentre.net/business-books-download/Industrial-Economics-by-University-of-Mumbai.html>
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