

DEPARTMENT OF ECONOMICS				CLASS: I M.A. Economics				
Sem	Course Type	Course Code	Course Title	Credits	Contact Hours/week	CIA	Ext	Total
II	Major Core-1	21P2VME2	Econometric Methods	4	6	25	75	100

Nature of Course				
Knowledge and skill	✓		Employability oriented	✓
Skill oriented			Entrepreneurship oriented	

Course Objectives
<ol style="list-style-type: none"> To impart the basics of econometrics To know about the fundamental quantitative tools To apply tools to build econometric models.

Unit	Description	Hours	K-Level	CLO
I	Introduction Econometrics : Meaning and Scope - Methodology of econometric research - Aims / Goals and Uses of Econometrics	18	Up to K4	1
II	Regression Model Regression Analysis in Econometrics - Types Notations and Estimation in Regression - Characteristics of OLS Estimators - Properties of Ordinary Least Square (OLS) Estimators - Standard Error and R ²	18	Up to K4	2
III	Multiple Linear Regression Models (MLRM) - Multiple Linear Regression Models (MLRM) - Auto correlation - Heteroscedasticity - Multicollineart - Dynamic Models	18	Up to K4	3
IV	Models Estimation of Distributed Lag Models - Rationalization of KOYCK's Method - Dummy Variable Models - Uses of ANOVA Model	18	Up to K4	3
V	Production Function Least Square – Estimation of Consumption Function - Estimation of Production Function - Estimation of Demand Function – Cobb-Douglas	18	Up to K4	3

Books for Study

- Baltagi, B.H. (2011), Econometrics, Springer, New York.
- Dongherty, C. (2011), Introduction to Econometrics, Oxford University Press, New York.
- Guarajti Damodar J. and Dawn C. Porter. (2009), Essentials of Econometrics. Fourth edition,.

Books for References

1. Koutsoyiannis, A. (2001), Theory of Econometrics (2nd ed.), Palgrave Macmillan Press Ltd., London
2. Maddala, G.S. (1998), Econometrics — An Introduction, New York:McGraw-Hill.
3. Wooldridge, J.M., 2013, Introductory Econometrics: A Modern Approach, NewDelhi: Cengage.

Web Resources

https://onlinecourses.swayam2.ac.in/cec20_hs14/preview

Nature of the course

Econometrics plays an important role in social science research in general and economics in particular. In recent years, every economic model is based on the econometric approach.

Rationale

Quantitative techniques and the subject economics are inseparable in nature. Hence, it helps the students to do research in economics and apply the models to formulate policies.

Activities

Students are asked to apply tools in their core subjects while preparing their assignments.

Pedagogy

Open online course module prepared by **SWAYAM PORTAL**

Course Designer

Dr. P. Kannan, Dr.V.Srimannarayan, Dr. S. Karthikeyan

Course Learning Outcome:

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

CLOs	Course Learning Outcome	Knowledge Level
CLO1	Analyse consumer choice using cardinal and ordinal approaches	Up to K4
CLO2	Identify the market theories with perfect and imperfect market situations	Up to K4
CLO3	Determine the market situations with duopoly and oligopoly models	Up to K4
CLO4	Analyse theories of distribution	Up to K4
CLO5	Recognise the different behavioural theories for economics of information	Up to K4

K1 – Remembering

K2 – Understanding

K3 – Application

K4 – Examining, analyzing and presentation

Note: Since it is online programme offered by **SWAYAM PORTAL**, the credits and marks obtained by the students may be entered in the mark statements issued by the college.