

Department of Applied Economics
Faculty of Commerce
Pre-Ph.D. Coursework (w.e.f. session: 2015-16)

Programme Objectives

- To prepare the research scholars for their research work.
- To enable the research scholars to finalise their area and topic of research.
- To prepare good researchers by imparting them with knowledge to conduct research work.
- To provide high-quality and in-depth understanding of research methodology and the contemporary issues of research in applied economics.
- To inculcate the habit of research and academic writing to the scholars.

Programme Outcomes

The Pre-Ph.D. course-work programme is a preparatory programme for the Ph.D. scholars. It is an extremely useful programme meant to make the scholars familiar with the methods and issues of research. By pursuing this course-work, every research scholar would be prepared to plan, pursue and interpret their research thesis for the award of Degree of Doctor of Philosophy (Ph.D.) in Applied Economics.

Programme Specific Outcomes

After completion of the six-months Pre-Ph.D. course work program, the scholars will be able to ó

- Identify and understand areas of research.
- Apply various models, theories, methodologies, etc. in their research work to address major questions in their primary area of study.
- Master the analytical/methodological skills in their areas of specialization.
- Pursue research in the field of applied economics.
- Present original research work at the end of their research period.
- Write and publish good quality research papers in academic journals.
- Present research papers at seminars and conferences.

Paper-I : Research Methodology

COURSE OBJECTIVES:

The syllabus of this course has been designed to foster, assist and catalyse high-quality and relevant research in the various thrust areas of research. This course aims to impart the knowledge to the scholars and help them recall the complete knowledge of the methodologies of research that they may have learnt in their previous education. The course strives to make the scholars well-versed with the fundamentals of research methodology, types of research, data collection methods, tools and techniques used for analysis, inferences, conclusions along with various techniques of econometrics, mathematical tools and analysis and interpretation of Financial and Cost Statements. The course is designed to provide a blend of traditional and modern theoretical and practical concepts, along with giving first-hand experience of using various statistical tools and software useful in research work.

COURSE OUTCOMES:

After completion of this course, the research scholars should be able to plan their research work and conduct it systematically, on the topics chosen by them. The scholars shall be confident about using research tools and techniques on various research problems and would be able to analyse research data and interpret results using statistical tools and software. Overall, their abilities and experience of conducting researches would be highly enhanced after completing this course.

Unit- I

Concept, Nature and Significance of research in Applied Economics; Types of Research; Research Process. Research Design- Exploratory, Descriptive, Analytical and Experimental Research. Collection, Organisation and Presentation of Data. Measurement and Scaling Techniques.

Unit- II

Use of Statistical Tools for data analysis; Analysing cross- section, Time Series and Panel data; Use of Excel and Statistical packages like SPSS, E-Views, MINITAB etc. Univariate and Multivariate Analysis; Regression, Cluster and Factor analysis, ANOVA; Testing of Hypothesis, Various Parametric and non- parametric tests; Preparation and presentation of Dissertation.

Unit- III

Econometric Techniques- Applications of Differential Calculus. Mathematical Tools- Linear Programming, Transportation and Assignment Model, Input-Output Analysis, Games Theory, PERT-CPM.

Unit- IV

Analysis and Interpretation of Financial Statement and Cost Statement. Financing Decision- Concept, Techniques and Interpretation.

Paper II : Contemporary Issues of Research in Applied Economics

COURSE OBJECTIVE:

This course aims to provide useful insights to the research scholars about the various contemporary issues and areas of research in the field of applied economics. It strives to familiarise the scholars with the thrust areas of research related to growth, development,

economy, banking and financial systems, monetary and fiscal policies, population and demographic studies, human development, environmental and employment studies, foreign trade and international financial systems. This course intends to help the scholars choose their topic and theme of research for their research work.

COURSE OUTCOMES:

After completion of the course, the researcher should be able to identify and choose his/her area of research and finalise a topic for conducting research upon. As this course aims to clarify all concepts of the given areas, the scholars should be confident about the area of research of their liking and feasibility. After this, the research scholars should also be able to write and present high-quality research papers in conferences and academic journals.

Unit- I

Growth, Development and Regional Planning- Sector-wise issues related to Primary, Secondary and Tertiary Sectors; Infrastructural Development and its importance.

Unit- II

Banking and Financial System; Monetary and Fiscal Policies; Financial Sector Reforms and Financial Stability.

Unit- III

Indian Population Scenario; Human Resource Development including Human Capital Formation; Environment and Sustainable Development; Employment and Labour Issues.

Unit- IV

India's Foreign Trade and Trade Policy; Multilateral Trade and Regional Groupings; Foreign Exchange and Currency Movements; International Financial System.