

COURSES OF STUDIES

**FOR PH.D PROGRAM
IN ECONOMICS
(UNDER SEMESTER SYSTEM)
(Effective from January 2019)**



**SCHOOL OF ECONOMICS
GANGADHAR MEHER UNIVERSITY,
AMRUTA VIHAR, SAMBALPUR,
ODISHA**

Pre-Ph.D. Syllabi- 2019
Paper -711: RECENT TRENDS IN ECONOMICS
Marks-100(80+20)

Unit-I: New Classical Economics

- i. The New Classical Position
- ii. The Rational Expectations Concepts and Its Implications
- iii. New Classical Policy Conclusions
- iv. The Keynesian Countercritique, the question of Persistence
- v. The Extreme Informational Assumptions of Rational Expectations
- vi. Auction Market Versus Contractual Views of the Labour Market

Unit-II: Real Business Cycles and New Keynesian Economics

- i. Real Business Cycle Models- Central Features, A Simple RBC Model
- ii. Macroeconomic Policy in a Real Business Cycle Model, Robert Lucas and Real Business Cycle Theory
- iii. New Keynesian Economics- Sticky Price (Menu Cost) Models, Efficiency Wage Models, Insider-Outsider Models and Hysteresis

Unit-III: Gender Economics

- i. Amartya Sen's capability theory
- ii. Becker's theory of family and gender discrimination.
- iii. Capability approach and gender: Nussbaum's basic capabilities framework-women empowerment and economic development, Conceptualizing and measuring Empowerment

Unit-IV:

- i. Globalization and Economic Development - (Bhagwati, Rodrik and Reinert)
- ii. Socio-Economic issues and Regional Imbalance in India and Odisha, Economic backwardness and KBK region of Odisha, Key issues in regional development of Odisha, Farmers' suicide- causes, consequences and solutions, Distressed Migration of Labour- Issues and Challenges
- iii. Goods and Services Tax (GST) - Benefits and expected problems and solutions; Direct Tax code- benefits, problems and solutions; Budgetary trends in contemporary India- a critical evaluation of these trends.
- iv. Aging and Development- The Economics of aging

Paper -712: RESEARCH METHODOLOGY-I

Marks-100(80+20)

Unit- I: Scope of Research and Ethics

- i. Introduction and Scope
- ii. Research problem: Identification, Selection, Formulation of research objectives
- iii. Research design: Components, Types and Importance
- iv. Research ethics, Institutional ethics committee
- v. Plagiarism – Pitfall

Unit-II: Technical Writing

- i. Types of technical documents; Full length research paper, Short/Brief communications, Letters to editor, Book chapter, Review, Conference report, Project proposal
- ii. Components of a full length research paper; Title/Topic statement, Abstract/key words, Aims and objectives, Hypothesis building, Rationale of the paper, Work plan, Materials and methodology, Results and discussion, Key issues and arguments, Acknowledgement, Conflict of interest statement, bibliography, Technical Resumes & Cover Letters
- iii. Components of a research proposal; Project summary Key words, Origin of the proposal, Major Objectives
Methodology, Overview of status of Research and Development in the subject, Importance of the proposed project in the context of current status, Bibliography

Unit- III:- Scientometrics

- i. How to cite and how to do referencing
- ii. Literature search technique, using SCOPUS, Google Scholar, PUBMED, Web of Science, Indian Citation Index, and RG
- iii. Styles of referencing; APA, MLA, Oxford, Harvard, Chicago
- iv. Annotated bibliography
- v. Tools for citing and referencing, Mendeley, Grammarly, Endnote etc

Unit-IV: Presentation and Communication skills

- i. Tables, Figures and Pictures using Excel
- ii. PowerPoint slide preparation
- iii. Preparation of Posters
- iv. Electronic submission of manuscripts
- v. Communication skills, oral and poster

Paper -713: RESEARCH METHODOLOGY-II
Marks-100(80+20)

Unit-I: IPR and Cyber Law

- i. Patents
- ii. Patent laws, process of patenting a research finding
- iii. Intellectual property (IP), Intellectual property right (IPR)
- iv. Copyright, Trademarks, GI
- v. Cyber laws
- vi. COPE

Unit II: Quantitative Data Analyses

- i. Types of data, Data collection - Methods and Tools
- ii. Hypothesis testing
- iii. Normal and Binomial distributions and their property
- iv. Tests of significance: Student *t*-test, *F*-test, *Chi-square* test
- v. Correlation and Regression
- vi. ANOVA – One-way and Two-way, Multiple-range test

Unit-III: Computer Fundamentals

- i. Introduction to MS-Office software: MS-Word (Track change)
- ii. MS-Excel
- iii. MS-Power Point
- iv. MS-Access
- v. Features for Statistical data analysis using computers and software, Microsoft Excel
Data Analysis ToolPak, SPSS, E-Views, STATA

Unit-IV: Applied Econometrics – Tools & Techniques

- i. OLS estimation and interpretation; BLUE properties; Matrix approach
- ii. Violation of assumptions-Multicollinearity, Heteroscedasticity, Autocorrelation
- iii. Simultaneous Equation model estimation, LPM, Logit, Probit and Tobit Models
- iv. Time Series Analysis with E-views/STATA; Unit roots tests, ARCH/GARCH models, VAR models, Cointegration

Paper-714
Marks-200(150+25+25)

RIVIEW WORK
(Report Writing + Seminar Presentation of the
Report + Viva-voce)