

**PhD (Economics) Coursework
Syllabus
One Semester course
2018**

School of Economics
(A Department under UGC-SAP Programme)
Devi Ahilya Vishwavidyalaya, Indore

PhD (Economics) Coursework

System of examination as per university ordinance 11

(a) The candidates already completed the course work with at least 55% of marks in M.Phil. and admitted to the Ph.D. programme shall be exempted from the Ph.D. course work and its fee. All other candidates admitted to the Ph.D. programme and submitted the Ph.D. registration form shall be required to complete the course work of 16 credits as prescribed by the University/ Research Centre during initial one or two semesters. The course work shall be treated as prerequisite for Ph.D. preparation. All courses prescribed for Ph.D. course work shall be in conformity with the credit hour instructional requirement and shall specify content, instructional and assessment methods. The examination and evaluation scheme for Ph.D. course work shall be as per the examination and evaluation scheme of the University applicable to the other programmes of the UTDs

1. The courses of study for PhD (Economics) Examination shall be a period of six months
2. Grading will be done on 7 point scale O at 10, A+ at 9, A at 8, B+ at 7, B at 6, and F less than 50 marks in the **first attempt**. In the repeated **second attempt** the 7 point scale will be O at 9, A+ at 8, A at 7, B+ at 6.
3. Each student has to appear in at least two internal tests and End semester examination; otherwise the student will be awarded **F** in the concerned subject.
4. Out of three internal assessments, best two will be considered along with end semester examination marks.
5. Scores will be converted to grades as follows:-

Letter Grade	Grade Points	Description	Range of Marks (%)
O	10	Outstanding	90-100
A+	9	Excellent	80-89
A	8	Very good	70-79
B+	7	Good	60-69
B	6	Above Average	50-59
F	0	Fail	0-49
Ab	0	Absent	Absent

The Ph.D. course work shall contain the following courses:

- (i) Research Methodology - 4 credits
- (ii) Review of Published Research in the relevant field -3 credits
- (iii) Computer Applications- 3 credits
- (iv) Advance course in the relevant subject- 3 credits
- (v) Comprehensive Viva-Voce- 3 credits

The course on Research Methodology should cover areas such as statistical research methods, research ethics, research report writing, etc. The course on Review of Published Research in the relevant field will be undertaken under the supervisor or the regular teacher of the centre of course work and the candidate has to consult the library or other resources to carry out the literature review. At the end of the semester the candidate has to submit a brief report on the literature review for evaluation, which will be done by the two examiners. The course on computer applications will include the computer applications helpful in the relevant subject. The advanced course in the relevant field shall comprise the topics related to the subject of research. The syllabus of the courses on research methodology, computer applications, and advanced course shall be decided by the concerned Board of Studies.

The final grades shall be submitted to the University. The University shall issue the certificate of the Ph.D. course work in the prescribed format (**Appendix-III**), available in ordinance 11.

- (b) The course work shall be conducted in the University Teaching Departments/ Research centers as approved by the Vice chancellor.
- (c) A combined course work for M.Phil. and Ph.D. students may be conducted for a single / group of subjects wherever possible.
- (d) If found necessary, course work may be carried out in sister UTD/ Institute within the University for which due credit will be given.
- (e) If a student obtains F or Ab Grade in a course/ subject, he /she will be treated to have failed in that course. He / she have to reappear in the examinations of the course as and when conducted or arranged by the UTD in the next semester. Marks obtained earlier in continuous assessment may be carried forward and added to the marks obtained in repeat end-semester examination to decide the grade in the repeat course. The student has to pay the prescribed fee for repeating the course. If he/she further fails in the course, he/she shall not be given another chance and he/ she shall be out of the Ph.D. programme. No student shall be allowed to repeat the course to improve the grade if he/ she pass the course.
- (f) The candidate has to obtain a minimum of 55% of marks or its equivalent grade points in aggregate in the course work in order to be eligible to continue in the Ph.D. programme.

PhD Course Work Syllabus (Economics) 2018

Course Code	Name of Subject	Classroom Interactions (Hrs/Week)	Max. Marks	Internal Assessment	End Semester exams	Credits
411	Research Methodology	4				04
412	Review of related Literature	3	100	40	60	03
413	Computer Application	3	100	40	60	03
414	Indian Economic Policy	3	100	40	60	03
415	Comprehensive Viva Voce	-	100	--	40**	03
	Total Credits	13	--	--	--	16

411. Research Methodology (4 Credits)

Objective: This paper is helpful to develop the research problem, its analytical tools and techniques to test the hypothesis and analyze the problem.

1. Meaning of research in Economics: Types of Research (descriptive vs. analytical, fundamental vs. applied, qualitative vs. quantitative, conceptual vs. empirical, empirical vs. simulation based, conclusion oriented vs. decision oriented, historical vs. a-historical etc.).
2. Research Methodology, methods and Techniques- differences among them, the logical framework of investigation, the nature of problem and appropriate methodology, macro-level vs. micro-level research, problems in aggregation, methodology leading to methods and then techniques, analysis of historical records, participant or non-participant observation, mass observation, questionnaires, personal interviews, group interviews, case studies, small group study.
3. Formulation of research problem- identification and operationalization of the problem, development of working hypothesis, preparation of research design, investigation in availability of information, sampling design, error minimization, evaluation of time and cost, Measurement scales, collection of information.
4. Review of statistical tools/methods for social research – for univariate and bivariate analysis. F- Test, ANOVA-one way and two way. Significance of correlation coefficient, significance of regression coefficient
5. Simple Concept of Probability and Theoretical Frequency Distribution, (Binomial, Normal & Poisson)
6. Formulation of Hypothesis- criteria of a good hypothesis, types of research hypothesis, advantages of Hypothesis. Hypothesis Testing Procedure, Type I and II Error, Concept of Significance. One sample parametric tests, two sample parametric tests- Test of significance for large and small samples – Student's –'t' test and Z-test, tests for Mean and difference between means and difference between proportions.
7. Non Parametric tests- Chi-square test- χ^2 , Mann-Whitney Test:U, Wilcoxon Signed Rank Test:T.
8. Processing of collected information, interpretation and generalization, systematization of findings, writing of report, references and bibliography.

Reading List

P.C.Tripathi: A Textbook of Research Methodology in Social Sciences, Sultan Chand & Sons
Goodle William J. Hatt Paul K.: Methods in Social Research, McGraw-Hill Book Company.
Bhattacharyya D.K. Research Methods, Excel Books

Scotter A Miller 2007 Developmental Research Methods, Sage Publication.

412. Review of Literature (3 credits)

Students would be given topics to search for literature review. The candidate will be required to submit the report on the review of literature topic given by the department. This will be done under the supervision of same teacher or the guide of the student.

413. Computer Application (3 credits)

Objective: The candidate should gain sufficient practical knowledge for use of computer and computer software for use in research work.

Hence assessment of this subject would be on a continuous basis, practical application of the subject would be assessed at three stages. (20+20+60)

Basic knowledge of application software's in MS- Office with focus on

1. MS-Word- its features and applications related to presentation of text in decent format and saving the same for further use. The practical knowledge of this software should enable the candidate to type and prepare the thesis in a presentable format.
2. MS-Excel- construction of worksheet and inserting data according to its characteristics, use of statistical tools and their presentation in the form of charts and graphs.
3. MS- Power point – create power point presentation on a topic related to the theme of thesis and use of different presentation techniques.
4. Use of SPSS – method of preparing data sheet and entering data according to its characteristics , use of various statistical tools on SPSS.
5. Use of Internet for research work and exploring various websites and search engines for collecting quality literature review and secondary data etc. related to thesis work.

414 – Indian Economic Policy

Objective: To have in-depth knowledge about policy measures in different sectors of Indian economy and their implications.

Unit 1. Framework of Indian Economy

- 1.1 Economic policy: An Introduction, Meaning, importance
- 1.2 National income: Trends and Structure of National Income
- 1.3 Demographic features and indicators of Economic Development & Growth, Rural-Urban Migration, Indian population policy.
- 1.4 Poverty and inequality, Nature, policy & implications.
- 1.5 Employment and unemployment – Nature, Central and State Government's policies, Policies implications.

Unit 2. Development Strategies in India

- 2.1 Agricultural Pricing, marketing & finance policies.
- 2.2 Economic Reforms – Rationale of Economic Reforms, Liberalization, Privatization and Globalization of the economy.
- 2.3 Role of Public Sector – Redefining the role of public sector, Government policy towards Public sector, problems associated with privatization.
- 2.4 Assessment of Economic Reforms.

Unit 3. The Economic Policy and Infrastructure Development

- 3.1 Energy and Transport
- 3.2 Social Infrastructure - Education and Health.
- 3.3 Issues and policies in financing infrastructure Development.
- 3.4 Indian Financial System – Money Market and Monetary Policy –financial Sector Reforms – Review of
Monetary Policy of R.B.I., Capital Market in India

Unit 4. The Economic Policy and Industrial Sector

- 4.1 Industrial Sector in Pre–reforms Period, Growth and Pattern of Industrialization.
- 4.2 Industrial Sector in Post – reform Period – Growth, Pattern and Small Scale Industries.
- 4.3 Labour Market - Issues in Labour Market, Reforms & Approaches to Employment Generation.

Unit 5. Foreign Trade Policy, Fiscal Policy 2000, Finance Commission (Latest), Issues and Strateging 13th plan

READING LIST

1. Ahluwalia.I.J. and I.M.D. Little 1999. India's Economic Reforms and Development.
2. (Essays in Honour of Manmohan Singh), Oxford University Press, New Delhi.
3. Bardhan PK. (9th Edition) (1999) The Political Economy of Development in India. Oxford University Press, New Delhi.
4. S. and P.S. Raikhey (Ed) (1977). Structural Changes in Indian Economy. Guru Nanak Dev University Press, Amritsar.
5. Brahmananda PR and V.A. Panchmukhi (Eds)(2001), Development Experience in Indian Economy, Inter-State Perspectives, Bookwell, Delhi.
6. Chakravarti, S. (1987). Development Planning; The Indian Experience, Oxford

