

PROPOSAL FOR THE APPROVAL OF ACADEMIC COUNCIL

REVISED CURRICULA AND SYLLABUS

FOR

Ph. D ECONOMICS



**DEPARTMENT OF ECONOMICS
AKAL COLLEGE OF ECONOMICS, COMMERCE AND MANAGEMENT
ETERNAL UNIVERSITY, BARU SAHIB, HIMACHAL PRADESH
JULY, 2020**

DOCTOR OF PHILOSOPHY IN ECONOMICS

Objective:

The objective of this course is to train post graduate students in a challenging economic environment and empower them in theory and practice through study and analysis of advanced quantitative methods and processes. To develop independent logical thinking and facilitate personality development. To train in data analysis for better comprehensive and policy formulation. To develop among students' communication, study and analytical skills. And finally, to equip the students for seeking suitable career in economics and related fields.

Duration:

The Ph. D course will be a three-year (minimum & maximum of five years) full-time programme. Each year consist of two semesters. Thus the Ph. D course is of six semesters. In each semester the distribution of course and research work will be as per detail given under curricula.

Eligibility:

Master degree (M.A/M. Phill/M. Sc) in Economics/Agricultural Economics

Medium of Instructions & Examination:

English shall be the medium of instruction and examination

Scheme of Examination:

Examinations shall be conducted at the middle and end of each semester as per the Academic calendar notified by the Eternal University. The system of evaluation shall be as follow:

Credits	THEORY			PRACTICAL		
	Total	Mid-session	End Term	Total	Mid-session	End Term
1+0/ 2+0/ 3+0/ 4+0	100	40 (30+10*)	60	-	-	-
0+1	-	-	-	100	50	50
1+1	50	20 (15+5*)	30	50	-	50
2+1	65	25 (20+5*)	40	35	-	35
3+1	75	30 (25+5*)	45	25	-	25

*Assignments marks

Attendance requirement:

The students are required to attend class lectures, tutorials, seminars etc, arranged by the department from time to time. The minimum percentage of attendance required shall be as per the Eternal University rules.

Research Project Report cum Dissertation:

The student admitted for the degree programme shall be allotted to a major guide after the last date of admission in the programme. An advisory committee cum RDC shall be constituted for the student under the chairmanship of major guide and shall be got approved

from the competent authority. The student will finalise the topic for her/his research project/dissertation in consultation with the advisory committee in the beginning of second semester. Under the guidance of advisory committee, detailed synopsis of thesis will be prepared by the student as per laid down guidelines and procedures of the university. After the satisfaction of advisory committee, the student shall deliver a synopsis seminar in the department before the faculty and students. The suggestions made in the seminar will be incorporated and five copies of the final version of synopsis duly signed by the advisory committee, the HOD concerned and Dean of the college shall be submitted to the Dean Postgraduate Studies (PGS) for further approval of the competent authority. The research project completed and submitted in the form of thesis/dissertation in partial fulfilment of the requirements for the degree will be of 100 marks; 70 marks for written research project cum thesis and 30 for viva-voce. The thesis/dissertation will be got evaluated from external examiner(s) appointed by Dean PGS. However, the viva-voce will be conducted after incorporating the suggestions made by external examiner(s) by committee constituted by the Dean Postgraduate Studies.

Outcome of course programme:

By learning the field of economics, it is assumed that economists will achieve and may reliably demonstrate independently the application of theory in decision-making process, an aptitude in research methodologies, statistical techniques and computer programs. Besides, they will get more opportunities to focus on specific areas, such as public policy, the environment and trade/business. Other specific skills and abilities would be to choose the right career. From financial manager to private economic consultant, there will be many career choices available in economics.

COURSE STRUCTURE

SEMESTER I

Minimum 12 credits, that is, two courses out of optional category & one research methodology are compulsory. Besides, credit seminar and Doctoral research for 5 credits are also compulsory for Ph.D. students in semester-I during the course work.

S. No.	Category	Course Code	Course Title	L	T	P	Credits	Contact Hours
1	Optional	ECON 601	Advanced Microeconomics	4	0	0	4	4
2	Optional	ECON 602	Advanced Macroeconomics	4	0	0	4	4
3	Optional	ECON 603	Advanced Public Economics	4	0	0	4	4
4	Optional	ECON 604	Quantitative Development Policy Analysis	4	0	0	4	4
5	Optional	ECON 605	Agricultural Marketing and Price Analysis	4	0	0	4	4
6	Optional	ECON 606	Advanced Agricultural Economics	4	0	0	4	4
7	Compulsory	ECON 607	Research Methodology	4	0	0	4	4
8	Optional	ECON 608	Econometrics	4	0	0	4	4
9	Compulsory	ECON 609	Credit seminar	1	0	0	1	1
10	Compulsory	ECON 700	Doctoral Research (Deciding research problem & consulting literature)	0	0	5	5	10

SEMESTER II

S. No.	Course Code	Course Title	L	T	P	Credits	Contact Hours
1	ECON 700	Doctoral Research (Submission & approval of synopsis by RDC)	0	0	15	15	30
2	-	Comprehensive examination* (will be evaluated satisfactory/unsatisfactory)	-	-	-	-	-

*Each student will have to get 50% marks in comprehensive written examination and satisfactory performance in oral examination

SEMESTER III

S. No.	Course Code	Course Title	L	T	P	Credits	Contact Hours
1	ECON 700	Doctoral Research (Preparation of schedule & questionnaire)	0	0	15	15	30

SEMESTER IV

S. No.	Course Code	Course Title	L	T	P	Credits	Contact Hours
1	ECON 700	Doctoral Research (Collection & tabulation of data)	0	0	15	15	30

SEMESTER V

S. No.	Course Code	Course Title	L	T	P	Credits	Contact Hours
1	ECON 700	Doctoral Research (Analysis of data)	0	0	15	15	30

SEMESTER VI

S. No.	Course Code	Course Title	L	T	P	Credits	Contact Hours
1	ECON 700	Doctoral Research (Dissertation writing & submission)	0	0	15	15	30

Note: The student will compulsorily undertake his/her research work related to dissertation for the credit hours mentioned in each semester thus making a total of 80 credits. The advisor will evaluate his/her work in each semester and clear the credit hours by evaluating satisfactory/unsatisfactory credits depending upon the work undertaken by the student during semester.

Dissertation will carry marks for continuous assessment, dissertation write-up, its preparation and viva-voce. This will be evaluated at the end of each semester.

Students will work on a research topic assigned to him/her by their supervisors/mentors with a purpose to develop a collective approach to study, analyse and solve the problem. Students are required to collect, analyse the data and submit their dissertation within stipulated period.

ECON 601 (Advanced Micro Economics)

L	T	P
4	0	0

UNIT-I

Modern micro economic theories with focus on risk and uncertainty, Market mechanism, shortcomings and remedies. Theory of production and cost. Theory of perfect competition and imperfect competition. Monopoly, monopolistic competition and oligopoly.

UNIT-II

Introduction to general and partial equilibrium theory: conceptual overview, general equilibrium condition with production and consumption. Walrasian general equilibrium: mathematical derivation of condition for general equilibrium.

UNIT-III

Welfare Economics: concepts, problems, approaches and limitations of welfare economics, Pareto condition of maximum welfare. Criteria for social welfare. Social welfare functions, social V/s private costs and benefits. Poverty, inequality and discrimination.

UNIT-IV

Game theory and competitive strategy, Consumer demand theory: Choice under certainty and uncertainty. Factor pricing analysis. International trade and comparative advantage. Externalities, the environment and natural resources.

Suggested Readings:

1. Dominick Salvatore. Microeconomics: Theory and Applications. Fourth Edition, Oxford Univ. Press.
2. W. Briet and H.M Hochman. Readings in Microeconomics.
3. Mansfield Edwin. Microeconomics (selected Readings). Second Edition.
4. A. Koutsoyiannis. Modern Microeconomics. McMillan Press, London.
5. W.J. Baumol and Alan S. Blinder. Microeconomics- Principles and Policy. 9th Edition.
6. R. S. Pindyck and Rubinfeld. Microeconomics. Prentice Hall of India, New Delhi.

ECON 602 (Advanced Macro Economics)

L	T	P
4	0	0

UNIT -I

Review of macroeconomics concept. National income and national product. Static and dynamic analysis. Macroeconomic policy options. Macroeconomic issues and measurement. Why a separate study of macroeconomics and its formulation?

UNIT-II

Consumption function and theories of consumption. Saving and investment function. Saving and investment equality: IS-LM framework. Equilibrium in dynamic system. Classical, Keynesian and post-Keynesian theories of output and employment.

UNIT-III

Demand for and supply of money. Theories of money and prices. Monetary equilibrium. Central bank's monetary policy, the problems of planning and flexibility. Basic Economic indicators- National income, performance of different sectors, trends in prices and money supply. Theories of economic growth.

UNIT-IV

Inflation and unemployment in the closed and open economy. Stagflation and supply side economics. Unemployment-how it is measured and strategies for reducing unemployment. Business cycle theories, monetary and fiscal framework for economic stability and growth. Structural adjustment mechanism, Impact of WTO, IMF, IBRD & ADB on Indian economy. Review of macroeconomic policies in India and its impact on macroeconomic stability.

Suggested Readings:

1. Gardner Ackley. Macroeconomics- Theory and Policy. Macmillan, New York.
2. Edward Shapiro. Macroeconomics Theory. Harcourt College Publications.
3. William J. Baumol and A.S. Blinder. Macroeconomics- Principles and Policy. South-Western Cengage learning.
4. Rudiger Dornbusch, Stanley Fischer and Startz Richard. Macroeconomics. McGraw Hill Irwin.
5. Raghvendra Jha. Contemporary Macroeconomic Theory and Policy. Wiley Eastern, Press.
6. Froyen Richard T. Macroeconomics- Theories and Policies. Prentice Hall International Inc. London.
7. Abel Andrew B and Ben S. Bernanke. Macroeconomics. Pearson Education Singapore.
8. Lipsey and Chrystal. Economics. Oxford University Press New York.

ECON 603 (Advanced Public Economics)

L	T	P
4	0	0

UNIT-I

Problems and principles of federal finance. Development finance: Ingredients of development. Fiscal policy, stability & growth. Growth of public expenditure: Effects of a public expenditure on production and distribution. Structure of public expenditure in India. Economics of public debt distinction between internal and external debt. Management of public debt in India.

UNIT-II

Taxation: Principles of taxation; taxable capacity; tax effort; buoyancy and elasticity of taxes; Distinction between tax design and tax reform. Characteristics of a well-designed tax structures, incidence of taxation, effects of taxation on production and distribution. Taxation effects on capacity output.

UNIT-III

Direct vs. indirect taxes: Role of direct taxes in less developed countries & importance of indirect taxes in developing countries. Proportional vs. progressive taxes; Specific vs. *Advalorem* duties. Tax structure in India. Consumption taxes and latest tax reforms in India- the Goods and Services Tax (GST), maintenance of GST records, filing of return and GST audit. Trends in tax revenue and expenditure of Centre and State government in India.

UNIT-IV

Public budget: Concept and types: Performance and program budgeting in India; Zero Base Budgeting. Principles of stabilization policy. Federal fiscal structure in India and its equity content.

Suggested Readings:

1. R.A. Musgrave and P.B Musgrave (1973). Public Finance in Theory and Practice. International Ed., McGraw Hill.
2. R.N. Bhargava. Theory and Working of Union Finance in India.
3. Richard, M. Bird and Oldman Oliver. Readings on Taxation in Developing Countries.
4. C.V. Brown and P.M Jackson (1990). Public Sector Economics. 4th edition, Basil Blackwell, Oxford.
5. R.J. Chelliah. Fiscal-Policy in Underdeveloped Countries.
6. Hugh Dalton. Principles of Public Finance.
7. Peacock and G.K Straw (1970). The Economic Theory of Fiscal Policy. George Allen & Unwin, London.
8. Raghabendra Jha (1999). Modern Public Economics. Routledge.

ECON 604 (Quantitative Development Policy Analysis)

L	T	P
4	0	0

UNIT-I

Policy framework – goals, value, beliefs and welfare maximization. Market – policy and State – State vs. market – Failure of policy, failure of markets. Rationale for Government intervention. Role of quantitative policy analysis.

UNIT-II

Demand analysis for policymaking – Alternative approaches to demand analysis – Policy implications. Supply response: alternative approaches to measurement of supply response – Nerlovian model of supply response. Policy implications. Household behaviour and policy analysis - Household models.

UNIT-III

Partial equilibrium analysis – Concept of reference prices – Price distortions – indicators and impact. Transaction costs – Implications for efficiency and productivity – Institutional solutions – Multi market approach to policy analysis.

UNIT-IV

Social accounting matrices and multipliers – Computable general equilibrium models to assess economy's wide impact of policy changes.

Suggested Readings

1. Meir, Gerald, M. Learning Issues in Economic Development. Oxford University Press, New Delhi.
2. Devraj Ray. Development Economics. Oxford University Press, Delhi.
3. T. N. Srinivasan and H. B. Chenery (ed.). Handbook of Development Economics. Vol. I, II and III (for selected reading), Elsevier Science Publishing Company, Amsterdam.
4. Subrata Ghatak and Ken Ingersent. Agriculture and Economic Development. The Harvester Press Publishing Group.
5. K.C. Eicher and J.M. Staatz. International Agricultural Development. John Hopkins Univ. Press.
6. G. Fischer, J. Miller and M.S. Sidney (Eds.). Handbook of Public Policy Analysis-Theory, Politics and Methods. CRC Press.
7. E. Frank. Agricultural Policies in Developing Countries. Cambridge Univ. Press.
8. P.C. Kindleberger. Economic Development. McGraw Hill.
9. M.G. Meir and J.E. Stiglitz. Frontiers of Development Economics- the Future Perspective. Oxford Univ. Press.
10. E. Sadoulet and De. A. Janvry. Quantitative Development Policy Analysis. John Hopkins Univ. Press, London.

ECON 605 (Agricultural Marketing and Price Analysis)

L	T	P
4	0	0

UNIT-I

Market structure, conduct and performance analysis. Problems in agricultural marketing from demand, supply and institutional side. Market intermediaries and regulation. Marketable and marketed surplus estimation. Marketing efficiency. Vertical and horizontal integration. Marketing cooperatives, APMC direct marketing, contract farming and retailing.

UNIT-II

Supply chain management: State trading, warehousing and other government agencies. Performance and strategies; market infrastructure needs, performance and government role. Value chain finance. Role of information technology and telecommunication in marketing of agricultural commodities

UNIT-III

Market research, market information service, electronic auctions (e-bay), e-Chaupals, Agmarket, e-NAM (problems & prospects), etc. Domestic and Export Market Intelligence Cell (DEMIC). Market extension- spatial and temporal price relationship. Price forecasting, time series analysis, time series models, spectral analysis.

UNIT-IV

Price policy and economic development, non-price instruments. Theory of storage. Introduction to commodities markets and future trading, basics of commodity futures. Operation mechanism of commodity markets, price discovery, hedging and basis. Fundamental analysis, technical analysis. Role of government in promoting commodity trading and regulatory measures.

Suggested Readings:

1. S.S. Acharya and N.L. Agarwal. Agricultural Marketing in India. Oxford and IBH Publishing Co., New Delhi.
2. A.S. Kahlon and D.S. Tyagi. Agricultural Price Policy in India. Oxford and IBH Publishing Co. New Delhi.
3. R.L. Kohls and J.N. Uhl. Marketing of Agricultural Products. Macmillan Publications Co. Inc New York.
4. G.S. Shepherd. Marketing of Farm Products. Iowa state, University Press, Ames: USA. Ltd.
5. F.W. Wough. Readings on Agricultural Marketing. Iowa state University Press, Ames. USA.

6. M.E. Brunk and L.B. Darrah. Marketing of Agricultural Products. The Ronald Press Co. New York.

7. Edward A. Duddy and A. Rezvan David. Marketing- An Institutional Approach. McGraw-Hill Book Company, INC. New York.

ECON 606 (Advanced Agricultural Economics)

L	T	P
4	0	0

UNIT-I

Historical context of agricultural development in the light of farming system, ecosystem service, IPM, green revolution, common agricultural policy, new agricultural policy. Theories of agricultural development- Ricardo's theory, Mellor's theory, Schultz theory, Lewis theory, etc.

UNIT-II

Agriculture in different countries with different social, political and economic systems. Institutional settings in agriculture, inter-sectoral forward and backward linkages.

UNIT-III

Agricultural development process under various economic systems. Distributional justice, distortions by political and economic factors, impact of agricultural development on investment, capital formation and employment, agricultural taxation, world trade in agriculture and external competitiveness.

UNIT-IV

Review of agricultural policies and impact and institutional changes in agricultural development in India.

Suggested Readings:

1. Joginder Singh and R.K. Lekhi. Agricultural Economics. Kalyani Publication, New Delhi.
2. Andrew Barkley and Paul W. Barkley. Principles of Agricultural Economics.
3. David Colman. Principles of Agricultural Economics. Trevor Young, Cambridge University Press.

ECON 607 (Research Methodology)

L	T	P
4	0	0

UNIT-I

Social science research: need, importance, types of research -fundamental v/s applied and impact of research. Research prioritization – objectives, process of research. Case studies. Philosophy: concept, definition, nature and scope. Ethics: definition, moral philosophy, ethical issues in social science research. Publication ethics: definition, introduction and importance. Best practices and standards setting initiatives and guidelines: Committee on Publication Ethics (COPE), World Association of Medical Editors (WAME), etc. Publication misconduct: concept, definition, problems that lead to unethical behaviour. Violation of publication ethics, authorship and contributorship. Identification of publication misconduct, complaints and appeals. Predatory publishers and journals.

UNIT-II

Synopsis writing: Selecting research problem; formulation of research projects; survey of literature; allied and critical literature, research infrastructure; experimental design; sampling design; recording of observations; measurement and scaling techniques; Good Laboratory Practices (GLPs).

UNIT -III

Formulation and types of hypotheses; collection, editing, coding, tabulation, validation, maintenance, storage and analysis of data. Diagrams and graphs plotting, measures of central tendency, measures of variation, skewness and kurtosis; correlation and regression, testing of hypothesis, ANOVA, test of significance and error analysis. Computer and informatics: introduction, word processing, excel, power point presentation. Web browsing, information resources and various databases. Introduction to statistical and econometric softwares.

UNIT-IV

Compilation and presentation of results, writing of manuscripts; research reports and thesis; organization of reference material using end note; bibliography. Intellectual honesty and research integrity. Scientific misconducts: Falsification, Fabrication and Plagiarism (FFP). Intellectual Property Right (IPR) and patent application. Financial support and various funding agencies; Multidisciplinary and multi-institutional research; writing research proposal for external funding. Research as career, current status and future prospects of research. Redundant publications: duplicate and overlapping publications salami slicing. Selective reporting and misrepresentation of data. Demonstration of departmental research activities through display of maps, globes, pictures, charts, research project reports and instrumentation.

Suggested Readings:

1. Jai Narain Sharma. Research Methodology. Deep & Deep publications.
2. Manas Das Gupta. Research Methodology in Economics. Deep & Deep Publications.
3. D. D. Gupta, A.M. Moon and M.K. Gupta. An Outline of Statistical Theory (Vol. I/II).
4. Pranesh Kumar, Daroga Singh and Padam Singh. Handbook of Sampling.
5. S.P. Gupta. Statistical Methods. Sultan Chand Publications
6. R. Kothari and K.F. Hatt. Methods in Social Research.

ECON 608 (Econometrics)

L	T	P
4	0	0

UNIT-I

Definition, scope and methodology of econometrics. Nature, types and sources of economic data. Specification of an econometric model; functional forms of regression models. Simple regression analysis: Ordinary Least Square (OLS) technique, least square estimates and their properties, interpretation of regression equation.

UNIT-II

Multiples regression analysis: Estimation, interpretation, and properties of OLS, RLS and MLE estimators. Testing of hypotheses. Dummy variables: Nature and uses of dummy as independent & dependent variables. AOV and ACOV models.

UNIT-III

Econometric problems: Nature, consequences, detection and remedial measures of the problem of Multicollinearity, specification error, errors in variables, heteroscedasticity and autocorrelation. Model selection criteria.

Unit-IV

Simultaneous equation models: Introduction, structural and reduced form equations. Simultaneous equation bias. Identification problem- rank and order conditions for identification of simultaneous equation model. Estimation of simultaneous equation models: Indirect Least Squares (ILS), 2 Stage Least Square (2SLS) methods.

Suggested Readings:

1. A. Koutsoyiannis. Theory of econometrics. Prentice Hall, London.
2. Christopher Dougherty. Introduction to the Econometrics. Oxford University, New Delhi.
3. Damodar Gujarati and Sangeetha. Basic Econometrics. Tata McGraw Hills Co., New Delhi.
4. J. Johnston. Econometric Methods. McGraw Hills Co., Singapore.
5. G.S. Maddala. Econometrics. John Wiley. New York.
6. Green, William. Econometric Analysis. Pearson Education, New Delhi.
7. G.M.K Madnani. Introduction to econometrics. Tata McGraw Hills Co., New Delhi.

8.S. Shyamala, Navdeep Kaur and T Arul Pragasam. A Text Book on Econometrics- Theory and Applications.

9.Sankar Kumar Bhaumik. Principles of Econometrics- A modern approach using EViews. Prentice Hall, London.

ECON 609 Doctoral Seminar

L	T	P
1	0	0

This course covers contemporary issues with respect to related field of research undertaken by the student. The students are asked to prepare PPTs on the contemporary issues which they have to present in front of the faculty and students. The presentation made by the student will be evaluated by three faculty members.

ECON 700 Doctoral Research (Deciding research problem & consulting literature)

L	T	P
0	0	5

During first semester, the student will follow the steps in choosing his/her research problem under the guidance of advisory committee. Once the topic of research as per need is got finalized, the student has to rigorously consult literature available and write reviews and references as per laid down guidelines of the university.

ECON 700 Doctoral Research (Submission & approval of synopsis by RDC)

L	T	P
0	0	15

During second semester, the student shall prepare comprehensive research project proposal in view of the literature available and the research gaps strictly under the guidance of RDC. Detailed synopsis of thesis/dissertation will be designed as per the research methodology techniques in the subject and guidelines of the university. PPTs will be made and synopsis seminar will be delivered by the student in the department. All the relevant suggestions put forth by the house will be incorporated in the synopsis. Thereafter, five copies duly got signed from the RDC will be submitted for the approval of competent authority.

Comprehensive Written Examination

On the completion of 100% course work including credit seminar, the student will be evaluated through comprehensive written examination. One paper will be set by the major advisor from all courses studied by the student during his/her previous semester(s). Each student will have to get 50% marks in comprehensive written examination.

Oral Comprehensive Examination

On the successful completion of written comprehensive examination, the major advisor shall propose a panel of three outside examiners through Dean of the College to the Dean Post Graduate Studies for the conduct of oral comprehensive examination. In such an examination

fixed on a suitable date to all RDC members and external examiner, the student has to earn satisfactory grade based on performance in theory.

Simultaneously, the student has to defend his/her synopsis of dissertation at the time of oral comprehensive viva-voce examination and on getting satisfactory replies the synopsis will be approved by RDC including external examiner under the chairmanship of Dean Post Graduate Studies.

ECON 700 Doctoral Research (Preparation of schedule and questionnaire)

L	T	P
0	0	15

The student will prepare schedule(s) and questionnaire(s) of suitable size to retrieve data on various aspects related to study from the selected sampling units. These schedules & questionnaires will be pre-tested for data collection in the non-sampling nearby area having similar characteristics. Ambiguities, errors and difficulties found in recording data on schedules will be resolved by incorporating the suitable changes in the schedules. Multiple copies of final schedules will be prepared keeping in view the size of sample and two copies will be deposited in the office of Dean concerned for record in the personal file of student and office file.

ECON 700 Doctoral Research (Collection & tabulation of data)

L	T	P
0	0	15

The student will collect both primary and secondary data pertaining to study through designed schedules under strict guidance of RDC. The major advisor will recommend and forward the tour/travel plan of student to the Dean concerned for the collection of such data from field(s) and office(s). The entire data collection work is completed during the semester. At different stages, the major advisor/member advisory committee will cross verify the data collection work for its reality and authenticity.

ECON 700 Doctoral Research (Analysis of data)

L	T	P
0	0	15

In the light of designed schedule used for data collection, detailed excel sheets will be prepared in consultation with the RDC. All the collected primary data will be scrutinized, coded and tabulated on detailed excel sheets for various categories as proposed in the comprehensive synopsis of thesis. This process will be completed as early as possible. After tabulation, summation, averages, percentages and ratios will be worked out to meet out the requirement of simple objectives. Blank tables pertaining to thesis will be got approved from the major advisor and necessary processed data will be got transformed on such tables. Functional methods/models will be applied and all necessary statistical tests be used for examining the significance of results. Final tables of results will be got approved from RDC.

ECON 700 Doctoral Research (Dissertation writing & submission)

L	T	P
0	0	15

The student will develop all the necessary chapters of thesis strictly under the guidance of RDC. All the final tables got okayed from the committee will be written to explain the results with logical reasoning. All chapters of thesis are to get approved from all the members of committee. PPTs of major findings will be prepared and thesis seminar will be delivered in the department. After incorporating all the suggestions put forth by the house, the final draft of thesis in duplicate will be submitted to the Dean Post Graduate Studies through concerned Dean of the college.

PROGRAMME OUTCOMES (POs)

PO 1: This degree programme provides opportunity to students to study the application of economics in depth which someone may wish to apply for building blocks in area of research.

PO 2: To demonstrate a global perspective and awareness on working of an economy. The course will sharpen analytical skills of students through integrating knowledge of economic theory with decision- making techniques. It will demonstrate professionalism, self-awareness, leadership and effective communication skills.

PO 3: Use information and knowledge effectively through scanning, organizing, synthesizing and analysing the data in order to abstract meaning and to share knowledge.

PO 4: An ability to use current techniques, skills and tools necessary for the study of economic aspects.

PO 5: An ability to recognize the importance of professional development by pursuing the doctorate studies or face competitive examinations that offer challenging and rewarding careers in economics.

PO 6: Conceptual building through the application of conceptual economics foundations to solve practical decision-making problems, both individually and as part of teams using techniques such as case analysis, projects and assignments.

PO 7: An ability to demonstrate a critical awareness of current issues in economics which are informed by leading edged research and practice in the field.

PROGRAMME SPECIFIC OUTCOMES (PSOs)

PSO 1: Understanding the basic and advanced concepts of micro-macroeconomics for different sectors of the economy. Application of laws in the derivation of demand and supply under different market scenarios.

PSO 2: Derivation of tools and techniques helping empirical determination/estimation of demand, supply, output, money supply, inflation, employment, poverty, GDP, BOP and optimum inputs usage. Distribution of resources for maximum welfare and identifying causes of market failure and its consequences.

PSO 3: Understanding the design of the tax structure and application of the concepts of efficiency and equity.

PSO 4: Doctoral research tries to deepen specialization in a particular professional direction.

PSO 5: Doctoral research helps in shaping the future of specialist by individual cognitive activities aimed at obtaining new, knowledge, solving theoretical and practical problems, self-education and self-realization.

PSO 6: Understanding the role of price policy in economic development; the operation mechanism of commodity markets and price discovery.

COURSE OUTCOMES (COs)

Subject: Advanced Micro Economics

Subject Code: ECON-601

CO 1: Understanding the modern microeconomic focussing on risk and uncertainty.

CO 2: Understanding the role of microeconomics in policy formulation in the context of perfect and imperfect markets.

CO3: Introduction to general and partial equilibrium in the context of production and consumption.

CO 4: Understanding the concepts of welfare economics and application of welfare maximizing criteria.

CO 5: Application of game theory under competitive strategies & choice making under risk and uncertainty.

CO 6: Determination of factor pricing in the international trade.

Subject: Advanced Macro Economics

Subject Code: ECON-602

CO 1: Understanding the concepts of macroeconomics under static and dynamic scenario.

CO 2: Comparing and contrast the classical, neo-classical and Keynesian-neo Keynesian perspectives for determination of output and employment.

CO 3: Description of structure, functions and responsibility of the Central bank's policy and how monetary policy and its tools affect the GDP and interest rates.

CO 4: Understanding the role and impact of international financial institutions on Indian economy.

Subject: Advanced Public Economics

Subject Code: ECON-603

CO 1: Description of major items of government revenue and expenditure and need for government interventions.

CO 2: Understanding the design of the tax structure using the concepts of efficiency and equity.

CO 3: Knowing the sources of market failure and potential policy options.

CO 4: Formulation of public budget. Understanding principles of stabilisation policy.

Subject: Qualitative Development Policy Analysis

Subject Code: ECON-604

CO 1: Description of policy framework in the context of welfare maximization.

CO 2: Role of quantitative techniques in the failure of markets and rationale for government intervention.

CO 3: Understanding alternative approaches to demand supply analysis. Measurement of supply response through Nerlovian model.

CO 4: Conducting market equilibrium analysis in the context of price distortions and transaction costs impacting market efficiency and productivity.

CO 5: Knowing the concepts and uses of models in social accounting matrices and multipliers.

Subject: Agricultural Marketing and Price Analysis **Subject Code: ECON-605**

CO 1: Getting deep insight of basic concepts of agricultural marketing viz; market structure, conduct and performance, the factors affecting marketable/ marketed surplus, the market integration, costs & margins, the marketing efficiency, etc.

CO 2: Understanding the importance and operation of supply chain mechanism, the state trading, warehousing and other agencies. The role of ICT in the marketing of agricultural commodities.

CO 3: Application of quantitative methods for agricultural policy analysis in the context of price forecasting.

CO 4: Understanding the role of price policy in economic development; the operation mechanism of commodity markets and price discovery.

Subject: Advanced Agricultural Economics

Subject Code: ECON-

606

CO 1: Understanding the history of agricultural development.

CO 2: Understanding the role of agricultural policies including new agricultural policy, 2019 in agricultural development.

CO 3: Knowing agriculture development in different countries under social, political and economic system.

CO 4: Learning impact of agricultural development on investment, capital formation & employment.

CO 5: To understand the impact of institutional changes in agricultural development in India.

Subject: Research Methodology

Subject Code: ECON-607

CO 1: Understanding the need and significance of research in social sciences. Demonstrating the research process.

CO 2: Getting acquaintance on various methods of sampling, the data collection techniques through schedules and questionnaires.

CO 3: Acquiring competence in preparation of schedules, questionnaires and their pre-testing and final preparation.

CO 4: Understanding the formulations of hypothesis, application of tests for the significance of parameters.

CO 5: Learning documentation writing and its presentation.

CO 6: Acquiring capability in preparation of projects for funding from various agencies.

Subject: Econometrics

Subject Code: ECON-608

CO 1: Acquaintance with various statistical & mathematical tools and techniques applied in economics and policy making.

CO 2: Demonstrating a familiarity with the properties and applications of several families of statistical distributions to econometric problems.

CO 3: Understanding the application of different functions/models and their usefulness in economics.

CO 4: Studying the relevant time series and panel data models for economic policy making and future forecasting.

CO 5: Learning the application of programme packages like SAS, RATS, SPSS, TSP, WinBUGS, Eviews, etc to do analyses of empirical data.