

## Pre. Ph.D Syllabus (2020)

Department of Economics

H.N.B. Garhwal University

The Pre-Ph.D in Economics is a one semester (six months duration) programme. The semester will consist of 15 credits course structure and will deal with the various issues in economics and Research methodology which will assist student to pursue the Ph.D programme. The Pre-Ph.D programme will consist of 3 compulsory courses and four elective courses. Out of four elective courses students will have to opt any two elective courses. Thus a student for passing the Pre-Ph.D programme will have to pass a total of 5 courses (three compulsory and two electives) and a total of 15 credits. The structure of the course and the credit distribution will be as follows:

Course No.	Course Title	Course Type	Credit
SOS/ECO(C) 101	Research Methodology in Economics	Compulsory	4
SOS/ECO(C) 102	Research and Publication Ethics	Compulsory	2
SOS/ECO(C) 103	Project Report	Compulsory	1
SOS/ECO(E) 104 (a)	Contemporary Issues in Indian Economy	Elective*	4
SOS/ECO(E) 104 (b)	Issues related to Regional and Rural development	Elective*	4
SOS/ECO(E) 104 (c)	Global issues and Indian Economy	Elective*	4
SOS/ECO(E) 104 (d)	Computer application in Research	Elective*	4

*\*Elective courses= Students have to select any two elective courses*

## COMPULSORY COURSES

---

---

**Course Name: Research Methodology in Economics**

Course No: **SOS/ECO(C) 101**

Maximum Marks: 100

Credits: 2 (Two)

(a) Semester Examination: 60 Marks

(b) Sessional Assessment: 40 Marks

---

---

### SYLLABUS

Research: Meaning, Types, and methods; Research Design and Sampling Design. Proposal Designing: Format, designing procedure; Research writing: Journal, Article, Book Review, Blog writing- Scientific tools)

Methods and techniques of Data collection, Data formatting, checking reliability and validity, Measurement and scaling techniques; Data Processing and choice of statistical measures; Correlation and Regression, Time series component and Index number; Data Process Operations: Editing, Sorting, Coding, Classification and Tabulation

Analysis of Data: Statistical Measure and Their Significance, Central Tendency, Dispersion, Correlation, Regression: Simple and Multiple Regression, Skewness, Time series Analysis

Hypothesis: Meaning, Procedure and different methods of testing hypothesis; Probability distribution and hypothesis testing; t-test, F and Z test, Analysis of Variance

Non-Parametric tests- Chi-square tests, Mann-Whitney U test, Wilcoxon signed rank test, Kruskal-Wallis test; Non-parametric measures of correlation

Research Report Writing: Types of research reports – Brief reports and Detailed reports; Report writing: Structure of the research report- Preliminary section, Main report, Interpretations of Results and Suggested Recommendations; Report writing: Formulation rules for writing the report: Guidelines for presenting tabular data, Guidelines for visual Representations.

Use of Computers in Research and presentation: MS Office application, Use of SPSS in Research; Report/ Thesis Writing, References, foot note/end note, Bibliography

---

---

**Course Name: Research and Publication Ethics**

Course No: **SOS/ECO(C) 102**

Maximum Marks: 100

Credits: 4 (Four)

(a) Semester Examination: 60 Marks

(b) Sessional Assessment: 40 Marks

---

---

**SYLLABUS**

**I. Theory**

**RPE 01: Philosophy and Ethics (3 hours)**

1. Introduction to philosophy: definition, nature and scope, concept, branches
2. Ethics: definition, moral philosophy, nature of moral judgements and reactions

**RPE 02: Scientific Conduct (5 hours)**

1. Ethics with respect to science and research
2. Intellectual honesty and research integrity
3. Scientific misconducts: Falsification, Fabrication, and Plagiarism (FFP)
4. Redundant publications: duplicate and overlapping publications, salami slicing
5. Selective reporting and misrepresentation of data

**RPE 03: Publication Ethics (7 hours)**

1. Publication ethics: definition, introduction and importance
2. Best practices / standards setting initiatives and guidelines: COPE, WAME, etc.
3. Conflicts of interest
4. Publication misconduct: definition, concept, problems that lead to unethical behaviour and vice versa, types
5. Violation of publication ethics, authorship and contributorship
6. Identification of publication misconduct, complaints and appeals

7. Predatory publishers and journals

## **II. Practice**

### **RPE 04: Open Access Publishing (4 hours)**

1. Open access publications and initiatives
2. SHERPA/RoMEO online resource to check publisher copyright & self-archiving policies
3. Software tool to identify predatory publications developed by SPPU
4. Journal finder / journal suggestion tools viz. JANE, Elsevier Journal Finder, Springer Journal Suggested, etc.

### **RPE 05: Publication Misconduct (4 hours)**

#### **A. Group Discussions (2 hours)**

1. Subject specific ethical issues, FFP, authorship
2. Conflicts of interest
3. Complaints and appeals: examples and fraud from India and abroad

#### **B. Software Tools (2 hours)**

1. Use of plagiarism software like Turnitin, Urkund and other open source software tools

### **RPE 06: Databases and Research Metrics (7 hours)**

#### **A. Databases (4 hours)**

1. Indexing databases
2. Citation databases: Web of Science, Scopus, etc.

#### **B. Research Metrics (3 hours)**

1. Impact Factor of journal as per Journal Citation Report, SNIP, SIR, IPP, Cite Score
2. Metrics: h-index, g index, i10 index, altmetrics

### **Recommended Readings:**

Bird, A. (2006). Philosophy of Science. Routledge.

Chaddah, P. (2018) Ethics in Competitive Research: Do not get scooped; do not get plagiarised.

Deakin, L. (2014). Best practice guidelines on publishing ethics: A publisher's perspective. Wiley.

Indian National Science Academy. 2019. Ethics in Science Education, Research and Governance.

Israel, M. (2015). Research ethics and integrity for social scientists: Beyond regulatory compliance. SAGE Publications.

Israel, M., & Hay, I. (2009). Research ethics for social scientists: Between ethical conduct and regulatory compliance. Sage.

Kimmel, A. J. (1988). Ethics and values in applied social research. Sage Publications.

MacIntyre, A. (198). A short history of ethics. Routledge.

Mertens, D. M., & Ginsberg, P. E. (2009). The handbook of social research ethics. Sage Publications.

Resnik, D.B. 2011. What is Ethics in Research and why it is important? National Institute of Environmental Health Sciences.

Yadav, Santosh Kumkar. 2000. Research and Publications Ethics. Ishwar Books

## **PROJECT REPORT**

---

---

**Course Name: Project Report**

Course No: **SOS/ECO (C) 103**

Maximum Marks: 100

Credits: 1 (One)

(a) Semester Assessment: 60 Marks

(b) Sessional Assessment: 40 Marks

---

---

### **SYLLABUS**

A student will have to conduct a micro level field study based on any of the topics as discussed and assigned by the supervisor. The student will initially prepare a brief synopsis for the work that she/he is going to conduct or is being allotted to her/him by the supervisor.

Her/his final project report will be completely based on the brief proposal or summary submitted by her/him. The report will be based on the primary and secondary data and the report of the study will have to be submitted in written form and further a power point presentation of the project report will have to be given by the scholar in front of the departmental committee set by the head of the department for evaluation. Evaluation of the report and power point presentation will be done by the departmental committee which will include the supervisor (for internal assessment) and other members of department (for external evaluation).

## **ELECTIVE COURSES**

### **CONTEMPORARY ISSUE IN INDIAN ECONOMY**

---

---

**Course Name: Contemporary issue in Indian Economy**

Course No: **SOS/ECO (E) 104 (a)**

Maximum Marks: 100

Credits: 4 (Four)

(a) Semester Examination: 60 Marks

(b) Sessional Assessment: 40 Marks

---

---

### **SYLLABUS**

A brief review on economic reforms before NEP, Liberalization policy, 1991 and after, Sector-wise analysis, such as industrial and financial sectors, infrastructure, Information Technology, trade and agriculture

An overview of various recent employment and poverty alleviation programmes in India, decentralization and local governance

Gender discrimination in India; recent government initiatives related to women empowerment

Education and Economic development, Investment and government policies for education, Impact of Education on economy

An overall study of current five year plan; critical analysis of recent economic survey report, recommendations of latest financial commission

Indian Financial system: Recent reforms in the field of banking and sectoral finance

Health and Human development, government investment and government provisions for health

Environment and Society, sustainable development, government environmental policies

Informal economy- status and problems of informal labour, government policy initiatives

### **Recommended readings:**

Ahluwalia, I.J. and I.M.D. Little (Eds.) (1999), India's Economic Reforms and Development (Essays in honour of Manmohan Singh), Oxford University Press, New Delhi.

Bardhan, P.K. (9th Edition) (1999), *The Political Economy of Development in India*, Oxford University Press, New Delhi.

Bawa, R.S. and P.S. Raikhy (Ed.) (1997), *Structural Changes in Indian Economy*, Guru Nanak Dev University Press, Amritsar

Brahmananda, P.R. and V.R. Panchmukhi (Eds.) (2001), *Development Experience in the Indian Economy : Inter-State Perspectives*, Bookwell, Delhi.

Chakravarty, S. (1987), *Development Planning: The Indian Experience*, Oxford University Press, New Delhi.

Dantwala, M.L. (1996), *Dilemmas of Growth: The Indian Experience*, Sage Publications, New Delhi.

Datt, R. (Ed.) (2001), *Second Generation Economic Reforms in India*, Deep & Deep Publications, New Delhi.

Government of India, *Economic Survey, (Annual)*, Ministry of Finance, New Delhi.

Jain, A.K. (1986), *Economic Planning in India*, Ashish Publishing House, New Delhi.

Jalan, B. (1992), *The Indian Economy — Problems and Prospects*, Viking, New Delhi.

Jalan, B. (1996), *India's Economic Policy — Preparing for the Twenty First Century*, Viking, New Delhi.

Joshi, V. and I.M.D. Little (1999), *India : Macro Economics and Political Economy, 1964- 1991*, Oxford University Press, New Delhi.

Parikh, K.S. (1999), *India Development Report — 1999-2000*, Oxford University Press, New Delhi.

Reserve Bank of India, *Report on Currency and Finance, (Annual)*.

Sandesara, J.C. (1992), *Industrial Policy and Planning, 1947-1991 : Tendencies, Interpretations and Issues*, Sage Publications, New Delhi.



Sen, R.K. and B. Chatterjee (2001), Indian Economy : Agenda for 21st Century (Essays in honour of Prof. P.R. Brahmananda), Deep & Deep Publications, New Delhi.

Ghatak, S. (1986), An Introduction to Development Economics, Allen and Unwin, London.

Gillis, M., D.H. Perkins, M. Romer and D.R. Snodgrass (1992), Economics of Development, (3rd Edition), W.W. Norton, New York.

Gimmell, N. (1987), Surveys in Development Economics, Blackwell, Oxford.

Higgins, B. (1959), Economic Development, W.W. Norton, New York.

Hogendorn, J. (1996), Economic Development, Addison, Wesley, New York.

Kahkonon, S. and M. Olson (2000), A New Institutional Approach to Economic Development, Vistaar.

Kindleberger, C.P. (1977), Economic Development, (3rd Edition), McGraw Hill, New York.

Todaro, M.P. (1971), Development Planning : Models and Methods, Oxford University Press, Oxford.

## ISSUES RELATED TO REGIONAL AND RURAL DEVELOPMENT

---

---

**Course Name: Issues Related to Regional and Rural Development**

Course No: **SOS/ECO (E) 104 (b)**

Maximum Marks: 100

Credits: 4 (Four)

(a) Semester Examination: 60 Marks

(b) Sessional Assessment: 40 Marks

---

---

### SYLLABUS

Regional economics: concept of a region; Regional economic theory and economic development; urban spatial structures, urban growth and theories of Urban growth, policy issues related to regional growth, infrastructure and urbanization

Nature and structure of rural economy; distinctive characteristics of hill rural economy and natural wealth

Dimensions of rural development: Agriculture growth, land and agrarian reforms, rural infrastructure

Analytical study of Government Programmes of rural development and growth

Infrastructure: Rural infrastructure schemes in India, PURA, growth of infrastructure under plans.

Main issue of economy of Uttarakhand: Gender issues and women empowerment, decentralization and governance, regional disparities- inter district, urban-rural and migration, poverty and unemployment, health and education

Important sectors of Uttarakhand economy: Tourism and economy, natural resources and sustainability, agriculture and rural development, industrialization

Critical study of Uttarakhand government policy initiatives

#### **Recommended readings:**

G.P Mishra: Regional Dimensions of development

BalKrishan: Regional Planning

L. Needlemand: Regional Development

Bisht N.S : Regional Economics (Hindi)

Chandra and Puri: Regional planning in India

Planning commission, Govt. of India, Five year plans

Tolia, R.S: Uttarakhand Today

Dewan M.L and Jagdish Bahadur: Uttaranchal vision and Action programme

Winsar publication: Uttarakhand year book (Hindi and English)

Sati, M.C: Diversity and Development of Himalayan Economy

## GLOBAL ISSUES AND INDIAN ECONOMY

---

---

**Course Name: Global issues and Indian economy**

Course No: **SOS/ECO (E) 104 (c)**

Maximum Marks: 100

Credits: 4 (Four)

(a) Semester Examination: 60 Marks

(b) Sessional Assessment: 40 Marks

---

---

### SYLLABUS

Global economy: features, India and the global economy, New International economic Order, Global trade and developing countries, globalization of world economy

International monetary system 1945 to 1971; recent developments in international monetary scenario, 1973 to present and its impact

International financial management: Capital flows, foreign investment, risk management and hedging, recent developments in International finance, fixed and flexible exchange rate system and its impact;

Economic Integration and Cooperation: Recent policy agreements and developments in EU, SAPTA, SAARC; GSTP, SSC, ECDC, areas of global cooperation for India

India's recent export and import policies, India's balance of payment, policies to maintain BOP equilibrium, capital account convertibility, Trends in India's forex position, FDI and FPI flow in India, recent fluctuations in Rupees value against foreign currencies and its impact, MNC's and their role and impact

International Economic Organisation and Indian Economy: Impact of WTO on Indian economy and other developing and under developed nations; IMF, World Bank group, ADB, UNCTAD, UNIDO, ITC.

### **Recommended readings:**

Bhagwati, J. (Ed.) (1981), International Trade, Selected Readings, Cambridge, University

Press, Massachusetts

Carbough, R.J. (1999), International Economics, International Thompson Publishing, New York.

Chacholiades, M. (1990), International Trade : Theory and Policy, McGraw Hill, Kogakusha, Japan.

Dana, M.S. (2000), International Economics : Study, Guide and Work Book, (5th Edition), Routledge Publishers, London.

Dunn, R.M. and J.H. Mutti (2000), International Economics, Routledge, London.

Kenen, P.B. (1994), The International Economy, Cambridge University Press, London.

Kindleberger, C.P. (1973), International Economics, R.D. Irwin, Homewood.

King, P.G. (1995), International Economics and International Economic Policy : A Reader, McGraw Hill International, Singapore.

Krugman, P.R. and M. Obstfeld (1994), International Economics : Theory and Policy, Glenview, Foresman.

Salvatore, D. (1997), International Economics, Prentice Hall, Upper Saddle River, N.J., New York.

Soderston, Bo (1991), International Economics, The Macmillan Press Ltd., London.

Aggarwal, M.R. (1979), Regional Economic Cooperation in South Asia, S. Chand and Co., New Delhi.

Brahmananda, P.R. (1982), The IMF Loan and India's Economic Future, Himalaya Publishing House, Bombay.

Grable, J.O. (1996), International Financial Markets, Prentice Hall, Englewood Cliffs, New York.

Kenen, P.B. (1995), Economic and Monetary Union in Europe, Cambridge University Press, UK.

Verma, M.L. (1995), International Trade, Vikas Publishing House Pvt. Ltd., Delhi.

Cherunilam, Francis, International Business, New Delhi: Wheeler Publishers, 1998.

## COMPUTER APPLICATION IN RESEARCH

---

---

**Course Name: Computer Application in Research**

Course No: **SOS/ECO (E) 104 (d)**

Maximum Marks: 100

Credits: 4 (Four)

(a) Semester Examination: 60 Marks

(b) Sessional Assessment: 40 Marks

---

---

### SYLLABUS

Elements of Computer System:

Introduction to Computers-Hard ware Storage, data storage Media, I/O Device, RAM, ROM, Operating System, Files and Directories, Hard Disc Management, Resident Transient, Computer networking and multimedia. Working with MS word, MS Excel, pagemaker and power point

Data Analysis and Presentation:

Meaning and working with internet, internet services-world wide web (www), electronic mails or E-mails, Searching on the web-search engines. Accessing and using online information, online journals and texts, statistical reference sites.

Using SPSS for data analysis:

Creating a data file, uni-variate analysis, bi-variate analysis, multivariate analysis and tests of significance; Usage of SPSS in data analysis

Note: The course module includes the comprehensive practical sessions in each credits

### **Recommended readings:**

Rajaraman , V. (1996) , Fundamentals of Computers , Prentice Hall of India , New Delhi .

Sanders D.H. (1988), Computers Today, McGraw Hill (3rd Edition) Intrilligator, M.D.(1978), Economic Models.

Wood, M.B. (1983), Introduction Computer Security, Broadman Associates, Delhi.

Rajasekaran, S. (1986), Numerical Methods in Science and Engineering, A.H. Wheeler, Allahabad.

Sanders, D.H. (1988), Computers Today, McGraw Hill (3rd Edition), New York.

Sinha, P.K. (1992), Computer Fundamentals, BPB Publications, New Delhi.

Rajaraman, V. (1996), Fundamentals of Computers, Prentice Hall of India, New Delhi.

Basandra, S.K (2002), Computers today, Galgotia publications, New Delhi

Banerjee, Utpap K (1985), Computer management and Planning, Tata Mcgraw Hill publishing company Ltd, India

Long, Larry (1987), Computers in Business, Prentice-Hall, USA