

## SHRI GURU RAM RAI UNIVERSITY

(Estd. by Govt. of Uttarakhand, vide Shri Guru Ram Rai University Act no.03 of 2017)



Syllabus of Pre-Ph.D. Course

Effective from Academic Session

From 2020-2021

COURSE STRUCTURE

Code	Subject	Credits L:T:P	Total Credit	Total Marks	Minimum Marks to be scored for successful completion
PRMC101	Research Methodology	2:1:1	4	80	40
PREC 102	Research and Publication Ethics (RPE)	1:1:0	2	40	20
PECC103	Global Issues and Indian Economy	3:1:0	4	80	40
<b>Subject specific elective paper (Any one)</b>		3:1:0	4	80	40
PECE 104	Contemporary Issue in Indian Economy				
PECE 105	Project Report**				
PECE 106	Computer Application in Research				
PECE 107	Advanced Theories in Economics				
PECF 108	Field work (Seminar / Conference Presentation / Review literature, Journal club and other activities assigned)	0:2:2	4	80	40
<b>Total</b>			<b>18</b>	<b>360</b>	<b>180</b>

**Core Paper****PRMC 101: Research Methodology****No. of credits 04****Paper–I: Research Methodology (Compulsory), Code: PRMC–101****Unit I: Concept & Types of Research**

Meaning and importance of Research – Types of Research – Selection and formulation of Research Problem – Research Design, Classification of Research, Pure and Applied Research, Exploring or Formulative Research, Descriptive Research, Diagnostic Research/Study, Evaluation research/Studies, Action Research, Experimental Research, Analytical Study of Statistical Method, Historical Research.

**Unit II: Methods Research**

Surveys, Case Study, Field Studies General Survey of various Methods including Survey Method, Interdisciplinary Method, Case Study Method, Sampling Method, Statistical Method, Observation Method, Interview Method, Schedule Method, Questionnaire Method, Documentary Method, Library Method, Historical Method and Scientific Method. Characteristic Features of Scientific Method; Empirical Verifiable, Cumulative, Self – Correcting, Deterministic, Ethical & Ideological neutrality (Value Free), Statistical Generalizability.

**Unit III: Data Collection and Data Analysis**

Collection, Objectives and Classification of Data, Aims, Methods and Objects of Tabulation of Data, Forms and Processes of Interpretation and Presentation of Data. Primary, Secondary and Tertiary Data. Construction and adaptation of instruments, administration of questions and tests. Data organization in SPSS & Excel, Graphical representation of data, Definition and Aims of Content Analysis, Problems of Content Analysis, Computer and Content Analysis Discussion and Interpretation of results, Testing of Hypothesis: Logical and Statistical Techniques.

**Unit IV: Report Writing**

Locating Information on a Topic of Interest, Acquiring Copies of Articles of Interest, The Nature of Scientific Variables, Conceptual Versus Operational Definitions of Variables, Levels of Measurement, Various Paradigms, The Basic Format for a Research Report, Identification of the Parts of a Research Report, Citation and Referencing Styles, Essentials of Report Writing, Aids for Writing Good Research Report.

**References:**

1. Bagchi, Kanak Kanti (2007) Research Methodology in Social Sciences: A Practical Guide, Delhi, Abijeet Publications.
2. Kothari, C.R (2004) Research Methodology: An Introduction, Delhi, New Age.
3. Cooper, R. Donald and Pamela S. Schindler (2003) Business Research Methods, Delhi, Tata McGraw–Hill.

4. Flyvbjerg, Bent (2001) Making Social Science Matter: Why Social Inquiry Fails and How it can Succeed Again, United Kingdom, Cambridge University Press.
5. Goodde and Hatte (1952) Methods in Social Research, New York, McGraw – Hill.

### Core Paper

**RPEC 102: Paper II: Research and Publication Ethics (RPE) No. of credits 02**

The course comprises of six modulus listed in table below. Each module has 4–5 units.

### Theory

RPE 01 Philosophy and Ethics 04

credit RPE 02 Scientific Conduct

04 credit RPE 03 Publication Ethics

07 credit

### Practice

RPE 04 Open Access publishing 04 credit

RPE 05 Publication Misconduct 04 credit

RPE 06 Databases and Research Metrics 07 credit

**Total 30 credit**

### 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, and Plagiarism(FFP)
4. Redundant publication: duplicate and overlapping publication, 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 behavior and vice versa, types
  5. violation of publication ethics, authorship and contributorship
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6. Identification of publication misconduct, complaints and appeals
  7. Predatory publishers and journals

**Practice****RPE 04: Open Access Publishing (4 hrs.)**

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

**RPE 05: Publication Misconduct (4****hrs.) A. Group Discussion (2 hrs.)**

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 hrs.)**

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

**• RPE 06 :Databases and Research Metrics****(7 hrs.) A. Databases (4 hrs)**

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

**B. Research Metrics (3 hrs.)**

1. Impact factor of journal as per journal Citation report, SNP, SJR, IPP, Cite score

2. Metrics: h-index, g index, i10 index, altmetrics.

### Core Paper

PECC 103: Global Issues and Indian Economy No. of credits 04

**Unit I:** Global economy: features, India and the global economy, New International Economic Order, Foreign Trade and Policy, globalization of world economy.

**Unit II:** Economic Integration and Cooperation: Recent policy agreements and developments in EU, SAPTA, SAARC, areas of global cooperation for India  
Indian Monetary system, Banking RBI and Monetary market.

**Unit III:** India's balance of payment Foreign Exchange and investment, recent fluctuations in Rupees value against foreign currencies and its impact, MNC's and their role and impact.

**Unit IV:** 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 and regional trade blocs.

### **Recommended readings:**

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

2. Carbough, R.J. (1999), International Economics, International Thompson Publishing, New York.
3. Chacholiades, M. (1990), International Trade : Theory and Policy, McGraw Hill, Kogakusha, Japan.
4. Dana, M.S. (2000), International Economics: Study, Guide and Work Book, (5th Edition), Routledge Publishers, London.
5. Dunn, R.M. and J.H. Mutti (2000), International Economics, Routledge, London.
6. Kenen, P.B. (1994), The International Economy, Cambridge University Press, London.
7. Kindleberger, C.P. (1973), International Economics, R.D. Irwin, Homewood.
8. King, P.G. (1995), International Economics and International Economic Policy : A Reader, McGraw Hill International, Singapore.
9. Krugman, P.R. and M. Obstfeld (1994), International Economics : Theory and Policy, Glenview, Foresman.
10. Salvatore, D. (1997), International Economics, Prentice Hall, Upper Saddle River, N.J., New York.
11. 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.
12. Brahmananda, P.R. (1982), The IMF Loan and India's Economic Future, Himalaya Publishing House, Bombay.
13. Grable, J.O. (1996), International Financial Markets, Prentice Hall, Englewood Cliffs, New York.
14. Kenen, P.B. (1995), Economic and Monetary Union in Europe, Cambridge University Press, UK.
15. Verma, M.L. (1995), International Trade, Vikas Publishing House Pvt. Ltd., Delhi.

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

Elective Paper

PECE 104: Contemporary Issue in Indian Economy

No. of credits 04



**Unit I:** Economic Reforms in India. Liberalization policy 1991, Indian Infrastructure, Human Development, trade and agriculture, Importance of agriculture. Agriculture Prices and Food Security in India.

**Unit II:** Poverty and Inequality in India. An overview of various recent employment and poverty alleviation programmes in India, New Industrial Initiatives programmes. Indian tax system.

**Unit III:** Education and Economic development, Investment and government policies for education, Impact of Education on economy, Niti Aayog functions, Recommendations of latest financial commission.

**Unit IV:** Indian Financial system: Recent reforms in the field of banking Sector. Indian Capital Market, Inflation in India, sustainable development, government environmental policies.

### Recommended readings:

1. 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.
2. Bardhan, P.K. (9th Edition) (1999), The Political Economy of Development in India, Oxford University Press, New Delhi.
3. Bawa, R.S. and P.S. Raikhy (Ed.) (1997), Structural Changes in Indian Economy, Guru Nanak Dev University Press, Amritsar.
4. Brahmananda, P.R. and V.R. Panchmukhi (Eds.) (2001), Development Experience in the Indian Economy : Inter-State Perspectives, Bookwell, Delhi.
5. Chakravarty, S. (1987), Development Planning: The Indian Experience, Oxford University Press, New Delhi.

6. 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.
7. Government of India, *Economic Survey, (Annual)*, Ministry of Finance, New Delhi. Jain, A.K. (1986), *Economic Planning in India*, Ashish Publishing House, New Delhi.
8. 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.
9. Joshi, V. and I.M.D. Little (1999), *India : Macro Economics and Political Economy, 1964– 1991*, Oxford University Press, New Delhi.
10. Parikh, K.S. (1999), *India Development Report — 1999–2000*, Oxford University Press, New Delhi. Reserve Bank of India, *Report on Currency and Finance, (Annual)*.
11. Sandesara, J.C. (1992), *Industrial Policy and Planning, 1947–1991 : Tendencies, Interpretations and Issues*, Sage Publications, New Delhi.
12. 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.
13. 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.
14. Gimmell, N. (1987), *Surveys in Development Economics*, Blackwell, Oxford.
15. Higgins, B. (1959), *Economic Development*, W.W. Norton, New York.
16. Hogendorn, J. (1996), *Economic Development*, Addison, Wesley, New York. Kahkonon, S. and M. Olson (2000), *A New Institutional Approach to Economic Development*, Vistaar.

17. Kindleberger, C.P. (1977), Economic Development, (3rd Edition), McGraw Hill, New York.
18. Todaro, M.P. (1971), Development Planning : Models and Methods, Oxford University Press, Oxford.

Core Paper

PECE 106

Project Report

No. of credits 04

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 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.

Core Paper

PECE 107: Computer Application in Research No. of credits 04

**UNIT 1:** Elements of Computer System: Introduction to Computers–Hardware 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.

**Unit II:** 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.

**Unit III:** 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.

**Recommended readings:**

1. Rajaraman , V. (1996) , Fundamentals of Computers , Prentice Hall of India , New Delhi .
2. Sanders D.H. (1988), Computers Today, McGraw Hill (3rd Edition)  
Intrilligator, M.D.(1978), Economic Models.
3. Wood, M.B. (1983), Introduction Computer Security, Broadman Associates, Delhi.
4. Rajasekaran, S. (1986), Numerical Methods in Science and Engineering, A.H. Wheeler, Allahabad.
5. Sanders, D.H. (1988), Computers Today, McGraw Hill (3rd Edition), New York. Sinha, P.K. (1992), Computer Fundamentals, BPB Publications, New Delhi.
6. Rajaraman, V. (1996), Fundamentals of Computers, Prentice Hall of India, New Delhi.
7. Basandra, S.K (2002), Computers today, Galgotia publications, New Delhi
8. Banerjee, Utpap K (1985), Computer management and Planning, Tata Mcgraw Hill publishing company Ltd, India
9. Long, Larry (1987), Computers in Business, Prentice–Hall, USA

**Core Paper****PECE 107    Advanced Theories in Economics    No. of credits 04**

**Unit I:** Competitive general equilibrium: Utilitarian and Marginalist Approach, Optimality and Welfare Theorems: Amartya Sen and Rawlsian Justice, Analysis of individual agents' behavior under uncertainty and markets subject to asymmetric information, Asymmetric information and its impact on the behavior of Producer and Consumer

**Unit II:** Classical and modern approaches to decision-making and economic behavior under uncertainty, Classical expected utility; subjective probability, Behavioral theory of economic choice under uncertainty

**UNIT III:** Micro foundations of aggregate demand and dynamics of optimization – Okuns Law and Indian Economy – Permanent income, lifetime portfolio choice, theory of investment and consumption–Rational expectations hypothesis – Short and Long Run Phillips curve Real business cycle theory Samuelson and Hicks, The Question of Persistence–New Keynesian and Modern Mainstream Economics

**UNIT IV:** Foreign Trade Multiplier, Dynamics of IS–LM Analysis, Growth–Inflation Dilemma – Mundell–Fleming – Lucas and Romer Models and Applicability

**Recommended readings:**

1. Datta and Sundhram (2018), Indian Economy, Himalaya Publishing House, Bombay.
2. Chakravarty, S. (1987), Development Planning : The Indian Experience, Oxford University Press, New Delhi.
3. David Romer: Advanced Macro Economics–McGraw Hill
4. Shapiro: Macro Economics–Oxford
5. Mankiv–Macro Economics
6. Datta, B. (1992), Indian Planning at the Crossroads, Oxford University Press, New Delhi. Ghosh, P.K. (1977), Government and Industry, Oxford University

- Press, New Delhi. Joshi, V. and I.M.D. Little (1999), India : Macro Economics and Political Economy : 1964–1991, Oxford University Press, New Delhi.
7. Datt, G. (1996), Bargaining Power, Wages and Employment: An Analysis of Agricultural Labour Markets in India, Sage Publications, New Delhi  
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  8. Hajela, P.D. (1998), Labour Restructuring in India: A Critique of the New Economic Policies, Commonwealth Publishers, New Delhi.
  9. Jhabvala, R. and R.K. Subrahmanya (Eds.) (2000), The Unorganised Sector Work Security and Social Protection, Sage Publications, New Delhi.
  10. Lester, R.A. (1964), Economics of Labour, (2nd Edition), Macmillan, New York.
  11. McConnell, C.R. and S.L. Brue (1986), Contemporary Labour Economics, McGraw–Hill, New York.
  12. Papola, T.S., P.P. Ghosh and A.N. Sharma (Eds.) (1993), Labour, employment and Industrial Relations in India, B.R. Publishing Corporation, New Delhi.