

# Shaheed Mahendra Karma Vishwavidyalaya, Bastar

## Curriculum: Ph.D. Course Work

Subject- Economics

Programme Code- PHEO

Duration: One Semester

Session- 2024-25

S.N	Course Code	Title of Paper	Marks Distribution		Credit/ Hours	Total Marks	
			External Assessment (ESE)	Internal Assessment (CIA)			
1		Paper 1- Research Methodology	40 marks: Objective types Questions (MCQ)	40 marks: Short Answer Question	Two Tests/Assignments (10+10 = 20 Marks)	4  100	
2		Paper 2- Research and Publication Ethics	20 marks: Objective types Questions (MCQ)	20 marks: Short answer Question	Two Tests/Assignments (05+05 = 10 Marks)	2  50	
3		Paper 3- Indian Economics	40 marks: Objective types Questions (MCQ)	40 marks: Short answer Question	Two Tests/Assignments (10+10 = 20 Marks)	4  100	
4		Paper 4- Review/ Presentation	20 marks: (10 marks for Review of Literature & 10 marks for Synopsis in Proposed Research)	20 marks: (10 marks for Presentation I (05 marks for written paper & 05 marks for power point presentation) & 10 marks for Presentation II (05 marks for written paper & 05 marks for power point presentation)	Two Tests/Assignments (05+05 = 10 Marks)  (Presentation/Bibliography)	2  50	
<b>Total</b>						<b>12</b>	<b>300</b>

SI No.	Subject	Subject Code
1	Forestry and Wild Life	PHFO
2	Anthropology and Tribal Studies	PHAN
3.	Hindi	PHHI
4.	English	PHEN
5.	History	PHHS
6.	Sociology	PHSO
7.	Political Science	PHPO
8.	Economic	PHEO
9.	Commerce	PHCO

Paper- I			
Research Methodology			
Credit: 4	Hours: 60	Marks: 100	
Units	Curriculum		Hours
<b>Unit-1</b>	<b>Fundamentals of research:</b> Basic principles of research, Types of research, research process, criteria of good research, Research problem, technique of defining research problem, Research problem-selection, necessity and technique, Preparation of proposal, formation and types of hypothesis, and testing of the hypothesis.		<b>15 hrs</b>
<b>Unit-2</b>	<b>Quantitative Method:</b> Use of quantitative method in research, data collection- Primary and Secondary data, data preparation, tabulation and graphical representation, data analysis, Descriptive statistics- Central tendency, dispersion, Sampling and statistical inference, Test of hypothesis, , Chi-square tests, Analysis of Variance,		<b>20 hrs</b>
<b>Unit-3</b>	<b>Design of experiment and sampling techniques:</b> Need of research design, Concepts and principles of experiments design, Experiments designs, Statistical tests- t- test, F- test, Z- test. Correlation, regression and Significance of correlation coefficient, significance of regression coefficient.		<b>15 hrs</b>
<b>Unit-4</b>	Computer application for research: Word processing, data processing, graphical processing. Uses of web tools for research analysis like excel, SPSS, use of graphical software and use of multimedia tools, Handling of different lab equipment for qualitative analysis.		<b>10 hrs</b>
<b>Suggested Reading:</b>			
<ol style="list-style-type: none"> <li>1. Gupta S.C, Fundamentals of Statistics, Himalaya Publication House, Bombay</li> <li>2. Rajaram V. (1996), Fundamentals of computers, Prentice Hall of India, New Delhi</li> <li>3. Sanders D.H. (1981), Computer Today, McGraw Hill, New York.</li> <li>4. Sinha P.K. (1992), Computer Fundamentals, BPB Publications, New Delhi.</li> <li>5. Engalhart Max D. (1972), Methods of educational Research, Rand McNally and Company, Chicago.</li> <li>6. Coburn Peter and others (1982), Practical guide to Computers in Education, Addison Wesley Publication Company, California</li> <li>7. Entustle, N.J. (1974), The Nature of Educational Research, Educational studies, A third level course,</li> <li>8. Methods of Educational enquiry, Block 1, The Open University Press, Walton Hall, Milton Kenya.</li> <li>9. Galtung Johan, (1974), Theory and Methods of Social Research, George Allan and Unwin Ltd., New Delhi</li> <li>10. Kothari C.R.,(2008), Research Methodology- Methods and Techniques,</li> </ol>			

	<ol style="list-style-type: none"> <li>1. Open access publications and initiatives</li> <li>2. SHERPA/RoMEO online resource to check publisher copyright &amp; self-archiving policies</li> <li>3. Software tool to identify predatory publications developed by SPPU</li> <li>4. Journal finder/journal suggestion tools viz. JANE, Elsevier Journal Finder, Springer Journal Suggester, etc.</li> </ol>	
<b>Unit-5</b>	<p><b>PUBLICATION MISCONDUCT</b></p> <p>A. Group Discussions (2 hrs.)</p> <ol style="list-style-type: none"> <li>1. Subject specific ethical issues, FFP, authorship</li> <li>2. Conflicts of interest</li> <li>3. Complaints and appeals: examples and fraud from India and abroad</li> </ol> <p>B. Software tools (2 hrs.)</p> <p>Use of plagiarism software like Tunitin, Urkund and other open source software tools</p>	<b>4 hrs</b>
<b>Unit-6</b>	<p><b>DATABASES AND RESEARCH METRICS</b></p> <p>A. Databases (4 hrs.)</p> <ol style="list-style-type: none"> <li>1. Indexing databases</li> <li>2. Citation databases: Web of Science, Scopus, etc.</li> </ol> <p>B. Research Metrics (3 hrs.)</p> <ol style="list-style-type: none"> <li>1. Impact Factor of journal as per Journal Citation Report, SNIP, SJR, IPP, Cite Score</li> </ol> <p>Metrics: h-index, g index, HO index, altimetric</p>	<b>7 hrs</b>
	<p><b>Suggested Reading:</b></p> <ol style="list-style-type: none"> <li>1. Bird, A. (2006). <i>Philosophy of Science</i>. Routledge.</li> <li>2. Mactntyre, Alasdair (1967) <i>A Short History of Ethics</i>. London.</li> <li>3. P. Chaddah, (2018) <i>Ethics in Competitive Research: Do not get scooped; do not get plagiarized</i>, ISBN:978- 9387480865</li> <li>4. National Academy of Sciences, National Academy of Engineering and Institute of Medicine. (2009). <i>On Being a Scientist: A Guide to Responsible Conduct in Research: Third Edition</i>.</li> <li>5. National Academies Press. Resnik, D. B. (2011). What is ethics in research &amp; why is it important. <i>National Institute of Environmental Health Sciences</i>, 1-10. Retrieved from <a href="https://www.niehs.nih.gov/research/resources/bioethics/whatisiiiide_x.cfm">https://www.niehs.nih.gov/research/resources/bioethics/whatisiiiide_x.cfm</a></li> <li>6. Beall, J. (2012). Predatory publishers are corrupting open access. <i>Nature</i>, 489(7415), 179-179. <a href="https://doi.org/10.1038/489179a">https://doi.org/10.1038/489179a</a></li> <li>7. Indian National Science Academy (INSA), <i>Ethics in Science Education, Research and Governance</i> (2019), ISBN:978-81-939482-1-7. <a href="http://www.insaindia.res.in/pdf/Ethics_Book.pdf">http://www.insaindia.res.in/pdf/Ethics_Book.pdf</a></li> </ol>	

Paper- III				
Indian Economics				
Credit: 4		Hours: 60	Marks: 100	
Unit	Curriculum			Hours
Unit-1	Profile of Indian Economy: Developing economy, sectoral composition, problem of poverty and unemployment			15
Unit-2	Industrial economy: Development of different phases, major issues related to growth, productivity, finance, infrastructure and competition			15
Unit-3	Foreign trade: composition and direction, balance of payment, regional trade blocks and India's Participation			15
Unit-4	India's Public Finance: India's tax system, Issues in federal finance, budget			15
	<b>Suggested Reading:</b> 1.Puri, V.K and Mishra, S.K.(Eds), Indian Economy 2.Lekhi, R.K. (Eds), Public Finance 3.Kulshreshtha, R.S. (Eds), Industrial Economics 4. Datta and Sundaram (Eds), Indian Economy 5. Jain, S.C.(Eds), Industrial Economics 6. Bhatia, H.L.(Eds), Public Finance			

Paper- IV				
Review/Presentation				
Credit: 2		Hours: 30	Marks: 50	
Unit	Curriculum			Hours
Unit-1	1. Preparation of References and Bibliography 2. Writing of review of Literature 3. Writing review of research papers and Research Books 4. Preparation of Research Proposal and Presentation 5. Preparation of Synopsis and Presentation			15 hrs
Unit-2	1. Preparation of Research Papers (Seminar/Conference/Publication in Journals): A. <b>Preparation:</b> Title, Abstract, Introduction, Methodology, Results, Discussion, Conclusion etc. B. <b>Publication Process and Journals:</b> Types of journals, journal scope and indexing, impact factor, peer review process, publication process. 2. Presentation of Research Papers/Articles 3. Presentation of Thesis			15 hrs

**Suggested Reading:**

1. Booth, W. C., Colomb, G. G., & Williams, J. M. (2016). *The Craft of Research* (4th ed.). University of Chicago Press. pp. 1–336.
2. Lester, J. D., & Lester, J. D. Jr. (2015). *Writing Research Papers: A Complete Guide* (15th ed.). Pearson. pp. 1–416.
3. Morris, S., Barnas, E., LaFrenier, D., & Reich, M. (2013). *Handbook of Journal Publishing*. Cambridge University Press. pp. 1–496.
4. Cronin, B., & Sugimoto, C. R. (2014). *Impact Factor: How the Metric is Reshaping Science*. MIT Press. pp. 1–320.