

DEPARTMENT OF ECONOMICS
MAHATMA GANDHI UNIVERSITY
Yellareddyguda, Nalgonda-508254

Meeting minutes of the Board of Studies (BoS) in the Department of Economics, MGU, Nlg.

The meeting of the BoS in economics is held on 26-11-2022 and the following members are present;

1. Prof. J. Narashima Rao
2. Dr. K. Anji Reddy
3. Dr. K. Mohan Reddy
4. Dr. P. Nagajau
5. Mrs. V. Indira
6. Mr. T. Bhaskar Reddy

JNR
KAR
PN
V. Indira
BK

The members have discussed the following agenda;

1. Pre-Ph.D. Syllabus
2. Pre-Ph.D. Question paper pattern
3. Panel of Examiners for Ph.D. thesis evaluation.
4. MA (Economics) 5 Years Integrated Programme

After thorough discussions on the agenda items members have unanimously resolved the following.

1. Resolved to approve Pre-Ph. D. Syllabus
2. Resolved to approve question paper pattern.
3. Resolved to approve the panel of examiners for Ph D thesis evaluation.
4. Resolved to approve the MA (Economics) 5 years Integrated course along with syllabus.

The meeting is concluded by vote of thanks.

JNR *V. Indira*

PN

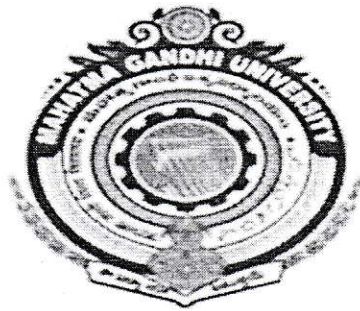
KAR

BK

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Pre-PhD Course Syllabus

(w. e. f. 2021-22)



Department of Economics

Mahatma Gandhi University, Nalgonda (TS) India

Pre-Ph.D. Course Syllabus – 2021-22

Paper-I: Research Methodology of Economics (Compulsory paper)

Paper – II (Optional Courses): (One elective from - paper - II)

1. Agriculture and Rural Development
2. Industrial & Environmental Studies

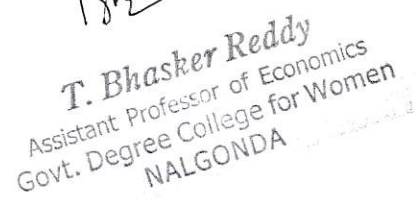
Paper - III: Research and Publication Ethics (Common to all faculties)

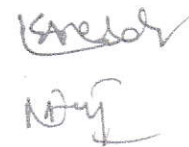
Credits Pattern

Paper No	Title of the Paper	Teaching Hours Per Week	Credits
I	Research Methodology of Economics	4	4
II	Agriculture and Rural Development OR Industrial & Environmental Studies	4	4
III	Research and Publication Ethics	2	2

Note: Pass marks for all papers are 55%.


V. Prudhviraj
Bh


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K. Sreeraj
N. S. R.

Pre-Ph.D. Syllabus

Paper I: Research Methodology of Economics

Unit-I: Theoretical base for Empirical research- Two way relation between theory and Empiricism, Need and formulation, Testing of empirical validity of hypotheses in Economics, case studies, survey methods, Time-series & cross section studies in Economic research.


Unit-II: Selection of Research Problem: Research Design & Report writing including methods of citing references. Broad details of important sources citing references; collection of Data- Questionnaire and Schedules, formal and informal discussion, cross verification.

Unit-III: Sampling techniques, small sample test (t), Large sample test (Chi-square); Calculation of growth rates (Simple & Compound) between two end points, Growth linear, quadratic, semi log models, conversion of economic variable(Production/Capital/Wages) at current and constant prices.

Unit-IV: Measures of Inequality, Standard Deviation, Coefficient of Variation, Lorenz Curve, Gini coefficient, Estimation of Degree of Correlation between Economic Variables , Simple and Multiple Regression, Presentation of Regression results and interpretation of coefficient of, sign, and size, Tests of Significance, Standard Error, r^2 , R^2 , Adjusted R^2 .

Suggested Readings

1. Ashok Rudra: Measurement in Economics, Allied Publisher, Delhi, 1969.
2. Kothari, C.R: Research Methodology Methods and Techniques, New Age International (p) Limited Publishers, New Delhi, 2004.
3. Krishnaswami, O.R: Methodology of Research in Social Sciences, Himalaya Ranganatham, M. Publishing House, Mumbai, 2005.
4. Kurien (Ed) CT: A Guide to Research in Economics, Rainbow Publication, Coimbatore, 1985.
5. Murray, R.S : Theory & Problems of Statistics, Schaums Outline series, Mc Graw Hill, Delhi
6. Nagar L & Das SK : Basic Statistics
7. Ram Ahuja : Research Methods, Rawat Publications New Delhi
8. Sukhmoy Chakravarty: Methodology and Economics, Journal of Quantitative Economics, Vol. I, No.1, January, 1985.


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Pre-Ph.D. Syllabus

Paper –II (Optional) (i) Agriculture and Rural Development

Unit-I: Importance of agriculture –Role of agriculture in Rural Development-Need of agriculture for industrial development- Share of agriculture in the economy -Terms of Trade between agriculture and Industry. Relationship between Farm Size and Productivity.

Unit-II: Agriculture Production and Productivity-Effects of Technology and changes-Agricultural wages-Cost of production in Agriculture-Pricing of Products in agriculture-mechanization of agriculture and labour absorption –Diversification of agricultural economic activities-Food Security and Agro-based industries –Inclusive growth.


Unit-III: Rural development vis-à-vis Agricultural development –Gandhian Approach to rural development-Experiences of Japan, China on rural development - Participation and problems of women, and child labourers in rural areas- Institutional and non-institutional sources of agriculture credit – Pattern of ‘credit – utilization and Recovery .

Unit-IV: Rural development & Basic Issues:-Rural indebtedness-Role of MGNREGS in mitigating rural debt – Role of irrigation in rural development - Diversification of agriculture, dry land farming- Poverty and employment Alleviation programmes - Role of voluntary agencies - Social assistance programmes of GOI.

Suggested Readings

1. A. Rudra : Relative rates of growth; Agriculture & Industry
2. CH. Hanmantha Rao : Technological Changes and Distribution of Gains in Indian
3. K. Bhardwaj : Production conditions in Indian Agriculture
4. Kotovsky : Agrarian reforms in India.
5. P.C. Joshi : Land Reforms in India
6. Robert Chambers : Rural Development
7. Sarthar Aziz : Rural Development, China, India & Bangladesh.




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Pre-Ph. D Syllabus

Paper – II (Optional) (ii) Industrial & Environmental Studies

Unit-I: Theories of Pattern of Industrialization, Theories of Hoffman, Chenary, & Gershen Kron, Concept & Measurement of Industrial Productivity- Industrial growth during planning era- Regional imbalances in Industrial growth- Industrial Policies in India.

Unit-II: Market Structure & Market Performance: Classification of Industries, Service Sector led Growth- Privatization- Disinvestment - Industrial sickness – Source of Industrial Finance - Development of Small Scale & Cottage Industries.

Unit-III: Theories of Natural Resource Management and Sustainable Development: Material Balance and Entropy Law. – Hotelling's Theory of Exhaustible Resources, Das Gupta & Heal, Optimal Depletion of Renewable Resources - Concept of Sustainable Development, Rules of Sustainable Development, Weak vs Strong Sustainability Criteria, Theories of Sustainable Development.

Unit-IV: Measurement of Environmental Values & Policy: Market inefficiency and externalities, concept of total economic value, direct and indirect methods of Environmental Valuation, Environmental impact assessment and report, Environmental Audit – Mechanism for environment regulation, Environmental laws and their implementation in India, Global Environmental Policies.

Suggested Readings

1. Ahluwalia, I.J.(1985) : Industrial Growth in India, Oxford University New Delhi
2. Barthwal, RR(1985) : Industrial Economics, Wiley Eastern Limited, New
3. Baumol, W.J : Economics and Environmental Policy and Quality of life - Prentice Hall, 1979.
4. Baumol, W.J : Theory of Environmental Policy - Cambridge University Press, 1989
5. Ch. Hanmantha Rao: Agricultural Growth, Rural Poverty and Environmental Degradation in India, OUP, 1994.
6. Ch. Hanmantha Rao: Agricultural Growth, Rural Poverty and Environmental Degradation in India, OUP, 1994
7. Chernuliam, F (1994) : Industrial Economics: Indian Perspective, Himalaya Publishing House, Mumbai.
8. D. Reid : Sustainable Development, Earth scan Turner, Pearce & Bateman
9. Das Gupta, P.S & G.M. Heal: The Economic Theory of exhaustible resources Cambridge University Press, 1989.
10. Devine, P. J., Lee, N., Jones, R. M., & Tyson, W. J. (2018). An introduction to industrial economics. Routledge.
11. Hempel, L. C. (1996). Environmental governance: the global challenge. Island Press.
12. Sing, A & AN Sadu (1988) : Industrial Economics, Himalaya Publishing House, Mumbai.
13. Turner, R. K., Pearce, D. W., & Bateman, I. (1993). Environmental economics: an elementary introduction. Johns Hopkins University Press.
14. Turner, R. K., Pearce, D. W., & Bateman, I. (1993). Environmental economics: an elementary introduction. Johns Hopkins University Press.

Pre-Ph. D Syllabus

PAPER-III: Research and Publication Ethics

(Common to All Faculties)

UNIT – I

A. PHILOSOPHY AND ETHICS: Introduction to philosophy: definition, nature and scope, concept, branches. Ethics: Definition, moral philosophy, nature of moral judgments and reactions.

B. SCIENTIFIC CONDUCT: Ethics with respect to research in science disciplines and research in social sciences, Intellectual honesty and research integrity, scientific misconducts: Falsification, Fabrication and Plagiarism (FFP), Redundant publications: Duplicate and overlapping publications, salami slicing, Selective reporting and misrepresentation of data.

C. PUBLICATIN ETHICS: Publication Ethics: Definition, importance, Best practices / standards setting initiatives and guidelines: COPE, WAME etc., Conflicts of interest, Publication misconduct : Definition, concept, problems that lead to unethical behaviour and vice versa, types, Violation of publication ethics, authorship and contributor-ship, Identification of publication misconduct, complaints and appeals, predatory publishers and journals – references - Bibliography.


UNIT - II

A. OPEN ACCESS PUBLISHING: Open access publications and initiatives, SHERPA/Romeo online resource to check publisher copyright & self-archiving policies, Software tools to identify predatory publications developed by SPPU, Journal finder / journal suggestion tools viz. JANE, Elsevier Journal finder, Springer Journal Suggester etc.

B. PUBLICATION MISCONDUCT: Subject specific ethical issues, FFP, authorship, Conflicts of interest, Complaints and appeals: Examples and fraud from India and abroad. Use of plagiarism software's like Turnitin, Urkund and other open source software tools.

C. DATABASES AND RESEARCH METRICS: Indexing databases, Citation databases: Web of Science, Scopus etc., ISSN vs ISBN, Impact Factor of journal as per Journal Citations Report, SNIP, SJR, IPP, Cite Score, Metrics: h-index, g-index, i-10 index, almetrics.




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Suggested Readings

1. Beall, J. (2012), Predatory publishers are corrupting open access. *Nature*, 489 (7415), 179-179.
2. Bird, A (2006), *Philosophy of Science*, Routledge
3. MacIntyre, Alasdair (1967) *A Short History of Ethics*, London
4. Medicine. (2009), *On Being a Scientist: A Guide to Responsible Conduct in Research*:
5. Muralidhar, K., Ghosh, A., & Singhvi, A. K. (2021). *Ethics in science education, research and governance*. Indian National Science Academy.
6. National Academy of Sciences, National Academy of Engineering and Institute of
7. P. Chaddah, (2018) *Ethics in Competitive Research: Do not get scooped: do not get Plagiarized*, ISBN : 978-9387480865
8. Resnik, D. (2020, December 23). What is ethics in research & why is it important? National Institute of Environmental Health Sciences.
9. Third Edition. National Academies Press.








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Paper – I: Research Methodology of Economics

Part A: Answer any 5 questions

Marks: 5*4 =20

- 1.
- 2.
- 3.
- 4.
- 5.
- 6.
- 7.
- 8.

Part B: Answer 4 questions with internal choice

Marks: 4*20 = 80


9 (a)
OR
(b)

10 (a)
OR
(b)

11 (a)
OR
(b)

12 (a)
OR
(b)




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Question Paper Pattern for Ph.D. Course

Paper – II: Agriculture and Rural Development
OR
Industrial & Environmental Studies

Part A: Answer any 5 questions

Marks: 5*4 =20

- 1.
- 2.
- 3.
- 4.
- 5.
- 6.
- 7.
- 8.

Part B: Answer 4 questions with internal choice

Marks: 4*20 = 80

9 (a)
OR
(b)

10 (a)
OR
(b)

11 (a)
OR
(b)

12 (a)
OR
(b)

VRA

V. Srinivas Reddy, NAG

K. Reddy

Bh

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Question Paper Pattern for Ph.D. Course

Paper – III: Research and Publication Ethics

Part A: Answer any 2 questions

Marks: 2*5 =10

- 1.
- 2.
- 3.
- 4.

Part B: Answer 4 questions with internal choice

Marks: 2*20 = 40

- 5 (a)
OR
(b)

- 6 (a)
OR
(b)

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