Scheme of Examination
&
Syllabus

of

Course Work

for

Doctor of Philosophy (Ph.D.)
in
Management Studies

[With effect from Academic Session 2023-24]

UNIVERSITY SCHOOL OF MANAGEMENT STUDIES
GURU GOBIND SINGH INDRAPRASTHA UNIVERSITY
Sector-16 C, Dwarka, New Delhi 110078.

Ph.D. Course Work

USMS

PROGRAM OUTCOMES

PO1: Demonstrate substantive knowledge and ability to teach college-level courses in their area of research/ specialization

PO2: Apply analytical and methodological skills to evaluate and conduct research in their area of specialization and other related areas

PO3: Independently design and conduct original research in their area of specialization

PO4: Demonstrate the ability to communicate the results of their research in a clear and effective manner

PO5: Apply the understanding for the high ethical concerns and standards in carrying out business research, teaching, and service

UNIVERSITY SCHOOL OF MANAGEMENT STUDIES
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SCHEME OF EXAMINATION-PhD COURSE WORK IN MANAGEMENT STUDIES

SEMESTER – I				
S. No	**Course Code**	**Course Title**	**Credits**	
1.	902001	Research Methodology	4	Core
2.	902002	Review of Literature	4	Core
3.	902003	Research and Publication Ethics (NUES)	2	Core Compulsory
4.	902004	Choice based Open Elective Course/MOOC/Others*	3	Open Elective
5.	902005	Choice based Discipline Specific Elective**	3	Elective

*The scholarmay choose one MOOC course of 3 credits as per his/her preference/choice from Swayam portal or any other online educational platform approved by the UGC / regulatory body from time to time at PG level. After completing the course, the scholar has to produce successful course completion certificate for claiming the credit.

** The scholar may choose one discipline specific course of atleast 3 credits, from any school of study being offered in the relevant semester at PG level. The examination for the same would be conducted by the University. The course chosen by the student should be intimated to the PhD Coordinator of the respective institution with due approval by the Supervisor/RAC/Dean of the School.

Evaluation Scheme

I) For all courses other than NUES, the examination shall be of out of 100 marks comprising of

a) Mid – Semester Examination 40 marks
b) End – Semester Examination 60 marks

Mid-semester Examination for each course shall be an Internal Examination of 40 Marks to be held during the semester for which the respective teacher may give written examination, presentation, project, term paper.

The End-Semester Examination shall be of 60 marks.

For NUES courses, there would be no end term examination and scholars would be assessed out of 100 by the teacher concerned.

II) For Course Code 902002, the respective Supervisor will be required to submit the broad area of review of literature within one month of the joining of the Scholar duly signed by the supervisor and scholar. The evaluation of the course shall be as follows

a) Continuous Internal Evaluation by Supervisor 40 marks
b) End Term Evaluation by External Examiner 60 marks

For End Term evaluation, the scholar will submit a written report and also give an oral presentation of the literature reviewed before the external examiner. This would be treated at par with the project assessment/evaluation.

III. For Course Code 902004 (Choice based Open Elective Course), the scholar may select any MOOC course of 3 credits as per his or her preference/choice from Swayam portal or any other online educational platform approved by the UGC / regulatory body from time to time at PG level. After completing the course, the scholar has to produce successful course completion certificate for claiming the credits. The course chosen by the student should be intimated to the MOOC Coordinator of the respective institution.

IV. For Course Code 902005 (**CHOICE BASED DISCIPLINE SPECIFIC ELECTIVE**), the scholar may select any course of atleast 3 credits, from any school of study on the campus being offered in the relevant semester at PG level. The examination for the same would be conducted by the University.
The course chosen by the student should be intimated to the PhD Coordinator of the respective institution with due approval by the Supervisor/RAC/Dean of the School.
Note: Code 902005 is dynamic and shall be replaced by course code as selected by the student from any of the approved scheme of study.

MINIMUM CREDITS REQUIRED FOR COMPLETION OF COURSE WORK: 12 CREDITS.

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RESEARCH METHODOLOGY

COURSE CODE: 902001 **CREDITS: 4**

Objective: *To acquaint the student with the concepts of research, research design, research process concepts, tools and techniques of data analysis and the process of effective report writing.*

COURSE OUTCOMES:

CO1: Identify, classify and compare different types of research and research designs

CO2: Explain the process of research and discuss activities associated with different stages of research

CO3: Demonstrate the knowledge of formulating research questions, specific research objectives and hypotheses.

CO4: Explain different types of data, data sources, sampling techniques and demonstrate ability collect appropriate quantitative and qualitative data.

CO5: Discuss the steps in scale development, apply statistical tests to determine validity and reliability, interpret test results and discuss their implications.

CO6: Apply data visualization techniques, descriptive and inferential statistics to understand the patterns of distribution of data.

CO7: Apply appropriate data analysis techniques with the aid of statistical software packages and demonstrate the ability to draw inferences from the results.

Course Contents

UnitI

Research: Meaning, Nature, Types, Research Problem Formulation, Research Objectives, Research Process, Reviewing Literature, Hypothesis Formulation, Data Measurement.

Unit II

Research Design: Meaning, types and importance, Measurement scales: Types, construction of a measurement scale, reliability and validity of a scale.

Sampling: Target population, sampling frame, sampling unit, sampling methods computation of sample size, sampling and non sampling errors.

Unit III

Data visualization, Descriptive statistics, Dispersion, Testing the normality of data, Hypothesis Testing, Parametric vs. Nonparametric tests, Correlation, Regression analysis, Qualitative analysis tools and techniques.

Unit IV

Advance Data Analysis : Exploratory and Confirmatory Factor Analysis, Cluster Analysis, Structural equation modeling- Measurement and structural model.
Report writing, Writing of quality research papers.

Suggested Readings: (Latest Editions).

1. Cooper, D. R. and Schindler P. S. (Latest Edition). *Business Research Methods*. Tata McGraw Hill Education Pvt. Ltd.
2. Malhotra, N and Dash, S. Marketing Research. Pearson Education.
3. Hair, J.F., Black, W.C., Babin, B.J., Anderson, R.E. (Latest Edition).*Multivariate Data Analysis*. Pearson Education.
4. Cochran, W.G.*Sampling Techniques* (Latest Edition). John Wiley & Sons.
5. Zikmund, W.G. et al. *Business Research Methods*. New Delhi: Cengage Learning.
6. Andy Field.Discovering Statistics Using IBM SPSS Statistics. Sage Publications.

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REVIEW OF LITERATURE

COURSE CODE: 902002 **CREDITS: 4**

***Objective**: To help students to understand and evaluate the research conducted in the relevant area of interest*

Course Outcomes

CO1: Explainthepurpose of literature review and its relevance for identifying the research problems.

CO2: Identify and classify various sources of literature and demonstrate the ability to access them.

CO3: Demonstratethefamiliarity with published works in academic journals and other publications that focus on relevant area of research and identify pioneering works and seminal contributions

CO4: Discuss various types of literature review and demonstrate ability to do systematic, exploratory and synoptic review and critically evaluate research works to identify the research gaps.

Course Content:

Report of Literature Review to be submitted based on

1. Chronological and geographical comparison and
2. Classification of research studies in the relevant area on the basis of problem studied, techniques applied, variables used and results of the studies.

Note:-

1. For this course, the respective Scholar will be required to submit the topic of the Review of Literature within one month of the joining of the scholar duly signed by the supervisor and scholar. For external evaluation, the scholar will be required to submit a written report and also give an oral presentation of the literature reviewed before an External Examiner

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RESEARCH AND PUBLICATION ETHICS (RPE)

COURSE CODE: 902003 **CREDITS: 2**

Course Outcomes:

Overview

- This course has total 6 units focusing on basics of philosophy of science and ethics, research integrity, publication ethics. Hands-on-sessions are designed to identify research misconduct and predatory publications. Indexing and citation databases, open access publications, research metrics (citations, h-index, Impact Factor, etc.) and plagiarism tools will be introduced in this course.

Pedagogy:

- Class room teaching, guest lectures, group discussions, and practical sessions.

Evaluation

- Continuous assessment will be done through tutorials, assignments, quizzes, and group discussions. Weightage will be given for active participation. Final written examination will be conducted at the end of the course.

THEORY

- **RPE 01: PHILOSOPHY AND ETHICS (3 hrs.)**

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

- **RPE 02: SCIENTIFICCONDUCT (5hrs.)**

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 hrs.)**

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
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 & 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 Suggester, etc.

- **RPE 05: PUBLICATION MISCONDUCT (4hrs.)**

A. Group Discussions (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 (7hrs.)**

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, SNIP, SJR, IPP, Cite Score
2. Metrics: h-index, g index, i10 index, altmetrics

References

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

MacIntyre, Alasdair (1967) *A Short History of Ethics*. London.

P. Chaddah, (2018) Ethics in Competitive Research: Do not get scooped; do not get plagiarized, ISBN:978-9387480865

National Academy of Sciences, National Academy of Engineering and Institute of Medicine. (2009). *On Being a Scientist: A Guide to Responsible Conduct in Research: Third Edition*. National Academies Press.

Resnik, D. B. (2011). What is ethics in research & why is it important. *National Institute of Environmental Health Sciences*, 1–10. Retrieved from https://www.niehs.nih.gov/research/resources/bioethics/whatis/index.cfm

Beall, J. (2012). Predatory publishers are corrupting open access. Nature, 489(7415), 179–179. https://doi.org/10.1038/489179a

Indian National Science Academy (INSA), Ethics in Science Education, Research and Governance(2019), ISBN:978-81-939482-1-7. http://www.insaindia.res.in/pdf/Ethics_Book.pdf

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CHOICE BASED OPEN ELECTIVE COURSE/MOOC/OTHERS*

COURSE CODE: 902004 **CREDITS: 3**

To remove rigid boundaries and facilitate new possibilities for learners in education system, study webs of active learning for young aspiring minds is India's Nation Massive Open Online Course (MOOC) platform. Massive Open Online Courses (MOOCs) are online courses which are designed to achieve the three cardinal principles of India's education policy: Access, Equity and Quality. MOOCs provide an affordable and flexible way to learn new skills, career development, changing careers, supplemental learning, lifelong learning, corporate eLearning & and deliver quality educational experiences at scale and more.

A student can earn 3 credits by completing quality –assured MOOC programme offered on the SWAYAM portal or any other online educational platform approved by the UGC / regulatory body from time to time at PG level. Successful Completion certificate should be submitted to the School of Study for earning the course credit.

Alternatively, student can pursue any course offered in the campus by any USS at PG level with due intimation to the RAC/SRC/Dean.

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GURU GOBIND SINGH INDRAPRASTHA UNIVERSITY

CHOICE BASED DISCIPLINE SPECIFIC ELECTIVE

COURSE CODE: 902005 **CREDITS: 3**

The scholar may select any course of atleast minimum credits as specified, from any school of study on the campus being offered in the relevant semester at PG level. The examination for the same would be conducted by the University.

The course chosen by the student should be intimated to the PhD Coordinator of the respective institution with due approval by the Supervisor/RAC/Dean of the School.

Note: Code 902005 is dynamic and shall be replaced by course code as selected by the student from any of the approved scheme of study.