



Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon
Notification for provisionally registered Ph.D. students for
Pre-Ph.D. Course Work, February, 2021

- a) The Pre-Ph.D. Course Work is compulsory to all provisionally registered students. The course work is of 12 credits and the bifurcation of the credits for each paper is given as below:

Course code	Course name	Theory Paper	Credits	Mode
PHD 001	RM- RPE Paper -I	Research Methodology and Research & Publication Ethics (RM-RPE)	4	Workshop (Online)
PHD 002	Paper –II	Subject Specific Course	4	Concerned College/ Institute/School
PHD 003	Paper -III	Guide’s Course Based on Research Area	4	Concerned Guide a) Seminar (02) b) Review Article (01)

- b) The syllabi for Pre-Ph.D. Theory Course is available on university website (www.nmu.ac.in)
- c) The candidates who have completed M. Phil. degree with course work on Research Methodology are also required to appear for workshop followed by examination.
- d) The Syllabus of Paper -I has been upgraded as per UGC guidelines. So the provisionally registered students of PET-2014 and PET-2017 those who are failed in previous Pre-Ph.D course work examination (Paper-I: Research Methodology) shall compulsorily register to attend the scheduled workshop and examination.

Conduct of Pre-Ph.D. course work

- a) The syllabus of the Pre-Ph.D. theory course RM-RPE has TWO sections:
Section –I: Research Methodology (RM); 2 Credits
Section-II: Research & Publication Ethics (RPE); 2 Credits
- b) The workshop for Paper –I will be arranged ONLINE for four Faculties and is mandatory for all the research students.
- c) The schedule and medium of the workshop for RM-RPE Paper-I is as below:

Sr. No.	Faculty	Medium	Period	Coordinator	Dy. Coordinator
Chairman, Pre-Ph.D. Course Work : Prof. A. B. Chaudhari & Dr. A. N. Chikate					
1	Science & Technology	English	01/02/2021 to 08/02/2021 (09.00 a.m. to 5.30. p.m.)	Dr. S.P. Shekhavat	Dr. N.D. Dandi Dr. U.D.Patil Dr. V.M.Rokade
2	Humanities (Law)	Marathi		Prin. Dr. Y.Reddy	Dr. Umesh Gogadia Dr. P.S. Sonawane
3	Humanities (Other than Law)			Prin. Dr. P.M.Pawar	Dr. S.P. Narkhede
4	Commerce & Management			Prin.Dr. P.P.Chhajed	
5	Inter- disciplinary Studies			Prin.Dr. A.R.Rane	

Technical Support: Dr. M.P.Patil & Mr. Dawdi Husain.

The provisionally registered students from PET-2014 and PET-2017 who could not complete the course work/failed, are eligible to peruse the course work on RM-RPE-Paper-I during the scheduled period with online payment of Rs.2500/- as course work fee and Rs.1000/- as Course examination fee.

Attendance for the workshop (Online) shall be compulsory, otherwise certificate will not be issued and declined to appear for the examination.

- d) It will be the responsibility of the concerned research supervisors to teach/conduct Pre-Ph.D. theory course Paper –II (PHD 002) i.e. Subject Specific Course & Paper –III (PHD 003), i.e. Guide’s Course based on Research Area, to the research students working under them.
- e) Guide will have to submit the certificate of completion of course work along with mark list of course Paper –III (PHD 003) through Principal/Director of the concerned College/Institute/ School to Research Section of the university within one month after Examination of Pre-Ph.D. course.
- f) The provisionally allotted/admitted Ph.D. students for Ph.D. degree (irrespective of their place of research work) will have to complete Pre-Ph.D. course work within two years only.

Conduct and Evaluation of Pre-Ph.D. course work

- a) The Examination of Pre-Ph.D. theory course Paper – I (PHD 001) and Paper II (PHD 002) will be conducted in the last week of February, 2021. The schedule of the examination for Paper – I (PHD 001) and Paper II (PHD 002) will be communicated on the University website.
- b) The Examination of Pre-Ph.D. course Paper –III (PHD 003) would be conducted by the Concerned research guide.
- c) There will be no negative marking.
- d) Pre-Ph.D. Course Paper –III (PHD 003) is based on research area defined by the Research guide. The concerned guide should ask the student to prepare and deliver TWO seminars each of one hour duration using LCD and examine the students. The candidate will have to write a Review article on research papers relevant to his/her area of research. The weightage for each seminar will be 40 marks and 20 marks for review article.
- e) The guide will have to submit CD’s of seminar report and review article along with marks list to the Research Section of the University through the Principal/Director of the College/Institute/ School on or before **30.3.2021**.

The evaluation of both seminar component will be based on following four indicators:

Heads	Marks	Evaluating Authority
Performance of the student in the collection of reference material for seminar	10	Concerned Guide
Content of the seminar	10	
Performance in the presentation	10	
Viva-voce	10	
Total marks	40	

Standard of passing

The candidates are required to obtain minimum marks in Course Paper – I (PHD 001); Paper II (PHD 002) and Paper –III (PHD 003) as given below:

Category	Minimum Marks (%) to be obtained		
	Paper – I (PHD 001)	Paper II (PHD 002)	Paper –III (PHD 003)
GENERAL	40 (40%)	40 (40%)	40 (40%)
PH/VH/SC/ST	35 (35%)	35 (35%)	35 (35%)
OBC (Non-creamy layer)	35 (35%)	35 (35%)	35 (35%)

Only such candidates who obtain the minimum required marks in each course, separately, as mentioned above, will be considered for final preparation of result.

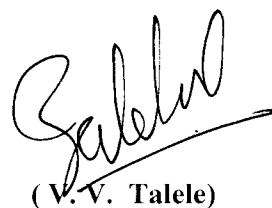
The Visually Handicapped (VH) candidates shall be provided 30 minutes extra time separately for Course Paper – I (PHD 001); Paper II (PHD 002). They will also be provided the services of a scribe who would be a graduate in a subject other than that of the candidate. Those Physically Handicapped (PH) candidates who are not in a position to write in their own hand-writing can also avail these services by making prior request (at least one week before the date of Pre-Ph.D. theory examination) in writing to the Pro- Vice Chancellor. Extra time and facility of scribe would not be provided to other Physically Handicapped candidates.

Grades for Pre-Ph.D. course work

Marks for each Pre-Ph.D. course work would be converted into grades as per 10 point scale. Students with F grade in the course shall have to clear the concerned course within two years from appearing for first time in the concerned course.

KBCNMU/11/P.P. Course Work/Schedule/29/2021

Date: 07.01.2021



(V. V. Talele)

**Assistant Registrar
(Research Section)**

Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon

Pre-registration Credit Course for Ph. D. Program in all faculties (February,2021)

Course Title: Ph.D. Paper I: Research Methodology and Research Publication Ethics (RM - RPE)

Course Code: PHD 001: RM-RPE Paper I

The course is primarily open to all scholars enrolled for Ph.D. program in the Faculty of Science and Technology, Humanities, Interdisciplinary studies, Commerce and Management as per UGC guidelines.

Course Level: The course has 2 Credits for Research Methodology (RM) and 2 Credits for Research Publication Ethics (RPE). The scholars completing the Pre-registration Credit Course RM-RPE Paper I shall be consider eligible to start the practical research work on the approved topic in the subject.

Overview: This Pre-registration Credit Course for Ph. D. program has 2 sections; Section I encompasses Research Methodology with 5 units and Section II includes Research Publication Ethics (RPE) with 4 units. Both sections focus on basic aspects of research philosophy, ethics, integrity and publication ethics. The detail core curriculum for this course is designed as per UGC to introduce research methodology, research misconduct and predatory publications as well as indexing, research matrices and plagiarism tools.

Learning objectives: The course will help to ensure that the scholars are able to:

- Demonstrate knowledge pertinent to the role of research in all disciplines of science, humanities, commerce and management and interdisciplinary.
- Critically analyze and interpret the results of scientific outcome,
- Evaluate its limits and possibilities with respect to knowledge in the research and its implementation.
- Improve the teaching learning process with the help of research

Learning outcomes: The scholars will be able to:

- Identify and describe methods within the philosophy of science and problems concerning observation, scientific explanations and rationality.
- Acquire an overview of important characteristics within research, development and implementation.
- Acquire various skills of presenting arguments and results of scientific research.

Pedagogy: The teaching methods will be Lectures through online/offline mode. Total 60 lectures of 60 minutes duration shall be conducted.

Mode of instruction: The medium of instruction for Pre-registration Credit Course shall be **English** in case of Faculty of Science and Technology and Faculty of Humanities (Law) and **Marathi** in case of Faculty of Commerce and Management, Faculty of Humanities and Faculty of Interdisciplinary studies.

Examination: The examination will be conducted at the end of the **RM-RPE Paper I** course through online mode. The pattern of examination for **RM-RPE Paper I** shall remain Multiple Choice Question (MCQ) of 100 marks.

Details of curriculum: Pre-registration Credit Course for Ph. D. program in the Faculty of Science and Technology, Humanities, Interdisciplinary studies, Commerce and Management

PHD- 001: RM-RPE Paper I: Research Methodology (RM) and Research Publication Ethics (RPE)

Section I : Research Methodology (RM); 2 Credits

Unit	Unit Title	Topics to be covered
I	Basics of research and research types	Research objectives, Scientific research, Importance of research methodology, Good Research Practices (GRP), Types of research and methods, surveys, case studies, Experiments and field studies, etc.
II	Review of Literature and research	Basic Concept and its need, literature search, types of literature review, review of research, sources, synthesis process, planning of review and documentation
III	Research design	Process, identification and Formulation of problem, Hypothesis, Tools of research
IV	Data analysis and interpretation	Editing, Coding, Transcription, Tabulation, Introduction to Analytical/Statistical software (SPSS, MINITAB, MATLAB) and presentation of data (Graphical)
V	Statistical analysis and report writing	Measures of central tendency, dispersion and Association/Relationship, Variance, Regression and Correlation analysis, Hypothesis testing and Test of significance, Research paper and thesis writing

Section II: Research Publication Ethics (RPE); 2 Credits

I	Research ethics and scientific conduct	Introduction to research philosophy and concept of research ethics, Ethical aspects in science and research, Intellectual honesty, research integrity, Scientific misconducts (Falsification, Fabrication, Plagiarism), Redundant publications (Duplicate, overlapping and Salami slicing), Selective reporting and misrepresentation of data
II	Publication ethics	Concept of publication ethics and its significance, Best practices and guidelines (COPE, WAME, etc.), Conflict of interest, Publication misconduct: Concept, problems and types Violation of publication ethics, authorship and contributorship Identification of publication misconduct, complaints and appeals
III	Predatory and open access publication	Predatory publishers and journals, Open access movement and publications, SHERPA/RoMEO tools to check copyright and self-archiving policies, Journal finder/Journal suggestion tools (JANE, EJF, SJS), Group discussion on publication misconduct
IV	Quality parameters and practices	Copy Rights and Intellectual Property Rights (IPR), Plagiarism Check: Software tools (TURNITIN, URKUND, etc.) practice Databases (Indexing, Citation) and Research Metrics: h-index, g-index, i-10 index, Impact factor, SNIP, SJR, IPP, Cite Score,

References:

- Kothari, C.R. (2014) Research Methodology: Methods and Techniques, 2nd edn., New Age International Publishers, New Delhi.
- Best, J. W. and Kahn, J. V. (2006) Research in Education, 10th edn., Pearson Publication, New Delhi.
- Koul, L. (2019) Methodology of Educational Research, 5th edn., Vikas Publ., New Delhi (ISBN- 9789353386368)
- Garrett, H.E. (2005) Statistics in Psychology and Education, Paragon International Publishers, New Delhi
- Kambadur, M., Ghosh, A. and Singhvi A. K. (2019) Ethics in Science Education, Research and Governance, Indian National Science Academy, New Delhi (ISBN: 978-81-939482-1-7)
- Best Practice Guidelines on Publishing Ethics (2014), A Publisher's Perspective, 2nd edn., John Wiley & Sons, Ltd.
- Chaddah, P. (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, 3rd edn., National Academies Press.
- Beall, J. (2012) Predatory Publishers Corrupting Open Access, Nature, 489(7415):179.
- Bird, A. (2006) Philosophy of Science, Routledge.
- Software Manuals SPSS, MINITAB, MATLAB
- UGC syllabus for Research and Publication Ethics, D.O. no. F.1-1/2018 (Journal/CARE), Dec., 2019