NAAC Criterion-III

- 3.4.1: The Institution ensures implementation of its stated Code of Ethics for research through the following:
 - 1. Inclusion of research ethics in the research methodology course work



Central University of Himachal Pradesh Dharamshala, Kangra (H.P.) - 176215

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Page 1

फा. सं: 3-3 /हि.प्र.के.वि./सा.प्र./2010/खण्ड-IV/6744 -59 हिमाचल प्रदेश केन्द्रीय विश्वयविद्यालय

Central University of Himachal Pradesh (सामान्य प्रशासन शाखा /General Administration Branch)

धर्मशाला – 176215

दिनांक: 18 अक्तूबर, 2021

दिनांक: 18 अक्तूबर, 2021

अधिसचना

अधिसूचना संख्याः ३-३ /हि.प्र.के.वि./सा.प्र./2010/खण्ड-VI/3308-16 दिनांक ०९ जून, २०२० का अधिक्रमण एवं हिमाचल प्रदेश केन्द्रीय विश्वविद्यालय की 29वीं शैक्षणिक परिषद की बैठक दिनांक 29 सितम्बर, 2021 के मद संख्या 29.12 द्वारा संस्तुतियों को कार्यकारिणी परिषद की 52वीं बैठक दिनांक 04 अक्टूबर, 2021 के मद संख्या 52.19 पर अनुमोदन के अनुसरण में माननीय कुलपति महोदय के आदेशों के अनुसार विश्वविद्यालय के अध्यादेश संख्या 42: Deals with Medium of Instruction, Examination, Evaluation and Grading System for the Award of Doctor of Philosophy में संशोधन किया जाता है | उक्त संशोधन केन्द्रीय विश्वविद्यालय अधिनियम, 2009 की दूसरी अनुसूची के अनुच्छेद 28 में निर्धारित परिनियम 37 के खंड 6 के अनुसार तुरंत प्रभाव से प्रभावी होगा।

संशोधित अध्यादेश संख्या 42 की प्रति इस अधिसूचना में साथ संलग्न है |

संलग्नः यथोपरि । पृष्ठांकन: समसंख्या ।

प्रतिलिपि:

1. समन्वयक, हि.प्र.के.वि., धौलाधार परिसर-। व ॥, जिला कांगड़ा ।

- 2. समन्वयक, हि.प्र.के.वि., सप्त सिंधु परिसर, देहरा, जिला कांगड़ा ।
- 3. समन्वयक, हि.प्र.के.वि., शाहपुर परिसर, शाहपुर, जिला कांगड़ा ।
- 4. विभिन्न स्कूलों के सभी अधिष्ठाता, हिमाचल प्रदेश केन्द्रीय विश्वविद्यालय ।
- अधिष्ठाता, छात्र कल्याण, हिमाचल प्रदेश केन्द्रीय विश्वविद्यालय ।
- वित्त अधिकारी, हिमाचल प्रदेश केन्द्रीय विश्वविद्यालय, धर्मशाला ।
- परीक्षा नियंत्रक, हिमाचल प्रदेश केन्द्रीय विश्वविद्यालय, धर्मशाला ।
- विभिन्न विभागों के सभी विभागाध्यक्ष, हिमाचल प्रदेश केन्द्रीय विश्वविद्यालय ।
- 9. विभिन्न केन्द्रों के सभी निदेशक, हिमाचल प्रदेश केन्द्रीय विश्वविद्यालय।
- 10. उप पुस्तकालय अध्यक्ष, हि.प्र.के.वि., शाहपुर परिसर, शाहपुर, जिला कांगड़ा ।
- 11. पुस्तकालय अध्यक्ष, प्रो. एस.आर. रंगनाथन पुस्तकालय, सप्त सिंधु परिसर, देहरा, जिला कांगड़ा ।
- 12. निदेशक, कंप्यूटर सेंटर, हि.प्र.के.वि., धौलाधार परिसर, धर्मशाला, जिला कांगड़ा ।
- 13. सिस्टम एनालिस्ट, हि.प्र.के.वि., धर्मशाला- कृपया विश्वविद्यालय की वेबसाइट को अद्यतन करने एवं उक्त सूचना को विश्वविद्यालय की वेबसाइट पर अपलोड करने के अनुरोध सहित ।
- 14. जनसंपर्क अधिकारी, हिमाचल प्रदेश केन्द्रीय विश्वविद्यालय, धर्मशाला, जिला कांगड़ा ।
- 15. माननीय कुलपति, हि.प्र.के.वि. के सचिव- कृपया माननीय कुलपति महोदय के सूचनार्थ ।

16. गार्ड फाइल

कुलसचिव (अतिरिक्त प्रभार)

ORDINANCE NO: 42

MEDIUM OF INSTRUCTION, EXAMINATION, EVALUATION AND GRADING SYSTEM FOR THE AWARD OF DOCTOR OF PHILOSOPHY

(Under Section 28(1)(b), 28 (1)(c) and 28(1)(g) of the Central Universities Act 2009)
(Approved by the 33rd Academic Council held on 21.12.2022 and 58th Executive Council held on 23. 12.2022)

Applicability: These guidelines shall be applicable to all previously enrolled/registered (on or after 05th May 2016) PhD degree RD scholars as well as the new entrants in PhD degree programme. However, the candidates enrolled/registered prior to 05th May 2016 shall be governed by UGC Regulations, 2009 for award of PhD degree. These guidelines shall not have any effect on previously allotted research supervisors and approved research synopsis. Those previous RD scholars who have passed all the courses of PhD coursework prescribed by the concerned department/center during a particular batch / admission year or have passed M.Phil. in concerned subject before getting admission in Ph.D. programme shall neither be required to pass the coursework again nor required to pass compulsory courses of PhD coursework (Research and Publication Ethics; Indian Traditional Knowledge and Practices; Pedagogy of Teaching-Learning Process) as recommended in these guidelines. All other RD scholars shall be compulsorily required to attend coursework classes in all respective courses and qualify all the respective courses of PhD coursework as prescribed in these guidelines. The existing Research Advisory Committees (RACs) in various Departments / Centers shall stand dissolved after enactment of these guidelines/provisions developed in accordance with UGC Regulations (Minimum Standards and Procedure for Award of M.Phil./PhD Degree), 2016. The respective role/functions of RACs shall be taken up by Departmental Research Committee (DRC) and Research Degree Committee (RDC) after implementation of these guidelines.

1. Admission to PhD Programme:

- 1.1 The university shall notify well in advance the number of seats available for admission to PhD programme in various subjects/ disciplines. The admission notification for PhD programme shall be issued once in an academic year by the office of Controller of Examination.
- 1.2 Applications for admission to PhD programme shall be received through an advertisement on university website.

2. Minimum Eligibility Criteria:

The following candidates shall be eligible to seek admission to the PhD programme:

- 2.1 Master's degree or a professional degree declared equivalent to the Master's degree by the corresponding statutory regulatory body, with at least 55% marks in aggregate or its equivalent grade 'B' in the UGC 7-point scale (or an equivalent grade in a point scale wherever grading system is followed) or an equivalent degree from a foreign educational Institution accredited by an Assessment and Accreditation Agency which is approved, recognized or authorized by an authority, established or incorporated under a law in its home country or any other statutory authority in that country for the purpose of assessing, accrediting or assuring quality and standards of educational institutions.
- 2.2 The candidates who have cleared the M.Phil. course work with at least 55% marks in aggregate or its equivalent grade 'B' in the UGC 7-point scale (or an equivalent grade in a point scale

- 8.5 The courses shall be offered by the department in accordance with programme requirement and expert availability.
- 8.6 Each candidate is required to earn minimum 18 and maximum 22 credits during his/her coursework. Following three courses of two credits each shall be mandatory for all newly admitted candidates from session 2021-2022 onwards (irrespective of their discipline/subject):
 - Research and Publication Ethics (RPE) 2 credits
 - Pedagogy of Teaching-Learning Process (PTLP) 2 credits
 - Indian Traditional Knowledge and Practices (in Concerned Discipline/Subject) (ITKP) 2 credits
- 8.7 The course contents of RPE (Research and Publication Ethics) course shall be finalized by concerned department at its own level by keeping into consideration the UGC guidelines. The course content of PTLP (Pedagogy of Teaching-Learning Process) shall be finalized by School of Education and be circulated to all the departments of university. The course content of this course shall be transacted jointly by School of Education and concerned department. The course content of ITKP (Indian Traditional Knowledge and Practices) shall be finalized by the concerned department keeping in view the recommendations of NEP-2020. The contents of this course shall be specific to the concerned discipline/subject.
- 8.8 Remaining minimum 12 or maximum 16 credits of the course work shall be earned by the candidate by studying 3 or 4 courses of 4 credits each, as the case may be. A minimum of four credits shall be compulsorily assigned to atleast one course on Research Methodology in concerned subject/discipline which could cover areas such as quantitative methods, qualitative methods, computer applications and review of published research in the relevant field, training, field work, etc. Other courses shall be advanced level courses on research or relevant discipline-specific areas for preparing the students for PhD degree. The remaining courses of 4 credits shall be decided / finalized by the concerned department (on the recommendations of DRC) in accordance with their academic requirements, expertise available and research facilities present in the department.
- 8.9 Both end-term and mid-term examinations in PhD coursework shall be internal in nature. The whole process of coursework examinations including paper setting, evaluation etc. in case of both end-term and mid-term examinations shall be undertaken by the office of Controller of Examinations. The CoE office, through the respective department, shall get the question papers prepared and answer scripts evaluated from the concerned course teacher of the department. A candidate is required to attain a minimum of 50% marks in each course undertaken in coursework and minimum 55% marks in aggregate to successfully complete the coursework.
- 8.10 In case of 4 credits course on Research Methodology in each department, the marks distribution for end term examination shall be as follows:
 - 100 marks for the theory examination
 - 20 marks for viva-voce examination (External)

The question paper pattern for 100 marks in theory examination (End term) in above Research Methodology course shall be as follows:

- 20 questions x 1 mark (objective type questions) =20 Marks
- 10 questions x 5 marks (with internal choice) = 50 Marks

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- 2 questions x 15 marks (with internal choice) = 30 Marks
- Total = 100 Marks for theory
- 8.11 In case of mid-term examination in this course on Research Methodology, the marks for theory paper shall be 30 (excluding 10 marks for viva voce) and question paper pattern shall be as follows:

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- 30 marks for the theory examination
- 10 marks for viva-voce examination (Internal)

The question paper pattern for 30 marks in theory examination (Mid-term) in Research Methodology course shall be as follows:

- 5 objective type questions = 5 Marks
- 10 x 1 questions (with internal choice) = 10 Marks
- 15 x 1 question (with internal choice) = 15 Marks
 Total = 30 Marks for theory
- 8.12 The Tables shown as **Appendix-I** shall be followed.
- 8.13 Internal Assessment: The internal assessment shall be awarded in the following manner in all courses:

For 4 Credit Course: 40 Marks

Presentation of Report based on field activity/field work = 10 Marks
Participation level in classroom and other activities = 10 Marks
Two Assignments (10 Marks each) of analytical nature = 20 Marks

For 2 Credit Course: 20 Marks

Presentation of Report based on field activity/field work = 05 Marks
Participation level in classroom and other activities = 05 Marks
One assignment of analytical nature = 10 Marks

- 9. Departmental Research Committee (DRC): Preparation / Submission of Synopsis and Review/Monitoring of Research Progress by Departmental Research Committee (DRC)
 - 9.1 The Departmental Research Committee (DRC) shall be constituted and notified by each department for a period of three years after the approval of Vice-Chancellor and shall have following composition:
 - i. Head of the Department Chairman
 - ii. Director (Research) or Nominee Member
 - iii. Dean of Concerned School or Nominee Member
 - iv. All Faculty Members of concerned Department Members
 - 9.2 Half of the total members of DRC shall form the quorum. The nominee must not be below the rank of associate professor who may be from any relevant discipline as considered appropriate by Director (Research)/concerned Dean.
 - 9.3 The main functions of Departmental Research Committee (DRC) shall be as follows:
 - i. This committee shall play the role of advisory committee and shall monitor/ review the progress of research work of the candidate.

- ii. Each candidate is required to present his/her research proposal /synopsis in this committee so as to finalize the research topic and research proposal at an initial and internal level. This presentation shall be an open presentation where all RD scholars and PG students of concerned department/s can participate to share their opinions and suggestions to bring improvements in the draft research proposal.
- iii. To guide the research scholar to develop the study design and methodology of research.
- iv. Only those research topics and research proposals recommended by this committee (DRC) shall be permitted for submission to Research Degree Committee (RDC) in the next stage for final approval.
- v. To periodically review and assist in the progress of the research work of the research scholar, the DRC shall monitor the progress of the PhD scholar on the basis of following general guidelines:
 - Participated in atleast one Seminar/Conference/Workshop preferably during every year.
 - Review of different books, articles, research papers, project reports, thesis etc.
 - Surveyed field/ libraries/ institutions for identification of literature and other primary sources-based data.
 - Undertaken laboratory/practical work/field work relevant to her/his area of study.
 - Made efforts to prepare and publish atleast a research paper/ book chapter/ edited chapter/ book review/ monograph etc.
 - Actively participated in various academic / examination-related / coacademic / administrative tasks assigned from time to time by the department/school.
 - Once a synopsis has been approved by Research Degree Committee (RDC) and subsequently approved/ratified by Board of Studies (BoS), the DRC shall not have any authority to discuss/ revise upon the title, objectives, research questions of the approved synopsis. Any final remark about the research progress of the candidate by the DRC shall be made after consultation with concerned research supervisor.
- vi. The RD scholars are required to submit only six monthly (Half yearly) progress report of their Ph.D. research work and DRC shall only monitor/review and approve such six monthly progress reports. There shall be no submission of monthly or quarterly progress reports of Ph.D. research work by the RD scholars to the supervisor/ Department/ DRC.
- 9.4 The DRC shall ensure that above guidelines are only general in nature and these should not be taken as mandatory while reviewing and monitoring the research progress of the RD scholars.
- 9.5 A research scholar shall appear before the departmental research committee (DRC) once in six months to make a presentation of the progress of his/her work for evaluation and further guidance. The six-monthly progress report shall be recorded in the DRC minutes and comments/suggestions shall be provided to concerned research scholar.
- 9.6 In case the progress of the research scholar is unsatisfactory in three consecutive progress reports, the DRC shall record in writing and suggest corrective measures. If the research scholar fails to implement these corrective measures, the Departmental Research Committee (DRC) may recommend to the DSC, RDC and Board of Studies (BoS) with specific reasons for cancellation of registration.

- 9.7 A PhD scholar shall have to prepare a synopsis in consultation with the supervisor on her/his topic of research. For its finalization, s/he shall have to defend it before of Departmental Research Committee (DRC). During synopsis presentation, the RD Scholars & PG Students of the concerned department may participate in DRC meeting. The synopsis shall be finally approved by the Research Degree Committee (RDC) lateron and shall be further placed for ratification in Board of Studies (BoS) and the School Board of the concerned Department/Centre and School respectively.
- 9.8 A PhD scholar shall get one chance to request for modifications in any part of his/her synopsis six months prior to the actual submission of the thesis. On the recommendations of the concerned supervisor, the PhD student shall have to defend the modifications in synopsis before her/his Departmental Research Committee (DRC). Afterwards, these modifications in the synopsis are required to be approved by the Research Degree Committee (RDC) and ratification in subsequent statutory bodies i.e. (BoS) and the School Board of the concerned Centre/ Department/School before the thesis is finally submitted for evaluation.
- 9.9 There shall be no specific time limit for submission of Synopsis/ Research Proposal either to DRC or RDC. The candidate is only required to complete entire PhD programme within prescribed duration mentioned under Clause 3 of these guidelines. There shall be minimum of two meetings of Departmental Research Committee (DRC) in an year for initial finalization of research topic/ synopsis and to review/monitor the research progress of the candidate. At the time of presentation of research synopsis by the candidate as well as during the review/monitoring of the research progress of the candidate, the concerned research supervisor of the respective candidate shall act as the convener of the committee under overall chairmanship of the head of the department.
- 9.10 The Pre-PhD thesis submission presentation in an open seminar shall also be carried out in Departmental Research Committee (DRC). Prior to the submission of the thesis, the scholar shall make a presentation (Pre-PhD thesis Submission Seminar) before the Departmental Research Committee (DRC) which shall be open to faculty members and research scholars of all departments of the university. The feedback and comments obtained from them may be suitably incorporated into the draft thesis in consultation with the DRC.

10. Research Degree Committee (RDC):

- 10.1 The Research Degree Committee (RDC) shall be constituted and notified at departmental level for a period of three years after the approval of Vice-Chancellor. The RDC shall have following composition:
 - i. Dean of Concerned School Chairperson
 - ii. Head of Concerned Department Member
 - iii. All Professors of Concerned Department Member
 - iv. Concerned Research Supervisor Member
 - v. Three External Experts of Professor level to be appointed by Vice-Chancellor from a Pool of Experts (already available with the Vice Chancellor) or Panel of Experts submitted by Dean of concerned School on the recommendations of concerned Head of the Department/Director of Centre Members
- 10.2 Half of total members (including at least two external experts) shall form the quorum of RDC. This committee shall meet twice in a year with a gap of at least six months between two meetings.

- 10.3 The RDC shall have following mandate and functions:
 - i. To review the research proposal and finalize the topic of research.
 - ii. To make decision with regard to final approval/modification/revision of research synopsis/proposal submitted by RD scholar after recommendation accorded by Departmental Research Committee (DRC).
 - iii. To make recommendations for upgradation of JRF candidates to SRF after reviewing their research progress.
 - iv. To recommend panel of examiners for evaluation of PhD thesis.
 - v. To approve the allotment of research supervisors to the candidates by DSC.
- 10.4 The decisions of RDC shall be further submitted to BoS (Board of Studies) and subsequent statutory bodies for approval/ratification.
- 10.5 After approval of synopsis by RDC, a formal letter regarding approval of research title and research synopsis (separate mention about approval of two aspects) shall be issued to the concerned research scholar by the head of the department with intimation to the office of Controller of Examinations.

11. Modification of the Title of the Thesis/Research:

11.1 If there is a need for modification of the title of thesis, the candidate shall submit an application to Departmental Research Committee (DRC) through supervisor at least six months before the date of submission of the thesis for approval. But the final approval for this purpose shall be accorded by Research Degree Committee (RDC). The same is required to be ratified in the BoS and School Board.

12. Change of Supervisor:

- 12.1 A candidate confirmed for PhD programme shall be allowed to change her/his supervisor in case of an eventuality like death or extremely serious illness of supervisor or in highly exceptional-cumunavoidable circumstances to be recorded in writing. Under above stated circumstances only, the Vice-Chancellor may grant permission for the change of research supervisor subject to the availability of seats under any faculty member of concerned department/ centre. After the approval from the Vice-Chancellor, the Head of Department/ Director of Centre shall place such request before the Departmental Standing Committee (DSC) and a new supervisor shall be allotted to the research scholar. This decision shall be placed for ratification before RDC and further to BoS and School Board of concerned department for ratification.
- 12.2 Deleted
- 12.3 Deleted

13. Submission of Thesis:

- 13.1 A PhD scholar shall be permitted to submit her/his PhD thesis for evaluation subject to the condition that s/he has:
 - a) completed course work successfully and satisfactorily.
 - **b)** completed three years period after registration.
 - c) published two papers in refereed journals (atleast national level journals which may be registered in Scopus index/ Web of Science/UGC-CARE list/Peer reviewed).

फाइल सं: 1-10/हि.प्र.कें.वि./शै/ 2014/ 5 100 ~ 510 8 हिमाचल प्रदेश केन्द्रीय विश्वविद्यालय Central University of Himachal Pradesh (अकादिमक शाखा /Academics Branch)

दिनांक, धर्मशाला – 176215, 25 अगस्त , 2020

अधिसूचना

सचिव, विश्वविद्यालय अनुदान आयोग के पत्र डी.ओ. सं फ. 1-1/2018(Journal/CARE) के अनुसरण में माननीय कुलपित महोदय के अनुमोदन के अनुसार विश्वविद्यालय में पी.एच.डी. में अध्ययनरत शोधार्थियों के लिए "Research and Publication Ethics(RPE)" कोर्स को अंगीकार किया गया है | यह कोर्स 02 क्रेडिट का होगा एवं सभी पी.एच.डी. के शोधार्थियों को Pre-Registration Course Work में इसे पूरा करना अनिवार्य होगा |

Research and Publication Ethics(RPE) संबंधित कोर्स कोड और सिलेबस (अनुलग्नक –'क') साथ संलग्न है।

(डॉ. संजीव शर्मी) कलसचिव

संलग्न: यथोपरि पृष्ठांकन: समसंख्या

प्रतिलिपि – निम्नलिखित को सूचनार्थ एवं आवश्यक कार्यवाई हेतु:

1. विभिन्न स्कूलों के सभी अधिष्ठाता, टैब, शाहपुर/धौलाधार परिसर-1&11, धर्मशाला/ सप्तसिन्धु परिसर, देहरा, जिला काँगड़ा |

2. विभिन्न विभागों/केन्द्रों के सभी विभागाध्यक्ष/निदेशक, टैब, शाहपुर/धौलाधार परिसर-1&11, धर्मशाला/ सप्तसिन्धु परिसर, देहरा |

3. परीक्षा नियंत्रक (अतिरिक्त प्रभार), कैंप कार्यालय धर्मशाला, जिला कांगडा, हि.प्र.।

4. अधिष्ठाता छात्र कल्याण, धौलाधार परिसर – ।, जिला कांगड़ा, हि.प्र.।

5. सिस्टम एनालिस्ट, धौलाधार पेरिसर- ।, धर्मशाला, जिला कांगड़ा, हि.प्र.- कृपया सूचनार्थ एवं विश्वविद्यालय वेबसाइट पर अपलोड करने संबंधित।

6. वित्त अधिकारी, धौलाधार परिसर-॥, धर्मशाला, जिला काँगड़ा।

7. सहायक निदेशक (राजभाषा) एवं कुलपति के ओ.एस.डी. – कृपया माननीय कुलपति महोदय के सूचनार्थ |

संबंधित सदस्य |

9. गार्ड फाइल।

कुलसचिव





विश्वविद्यालय अनुदान आयोग University Grants Commission

(मानव संसाधन विकास मंत्रालय, भारत सरकार) (Ministry of Human Resource Development, Govt. of India)

बहादुरशाह जफ़र मार्ग, नई दिल्ली-110002 Bahadur Shah Zafar Marg, New Delhi-110002

> Ph :. 011-23236288/23239337 Fax : 011-2323 8858 E-mail : secy.ugc@nic.in

सचिव Prof. Rajnish Jain Secretary

प्रो. रजनीश जैन

D.O.No.F.1-1/2018(Journal/CARE)

December, 2019

Respected Sir/Madam,

University Grants Commission in its 543rd meeting held on 9th August, 2019 approved two Credit Courses for awareness about publication ethics and publication misconducts entitled "Research and Publication Ethics (RPE)" to be made compulsory for all Ph.D. students for pre-registration course work (attached as Annexure).

In view of the above, you are requested to ensure that the above two Credit courses may be made compulsory for all Ph.D. students for pre-registration course work undertaken in your University from the forthcoming academic session.

With regards,

Yours sincerely,

(Rajnish Jain)

TO THE VICE-CHANCELLORS OF ALL UNIVERSITIES

Ratification

Course Title:

• Research and Publication Ethics (RPE)-Course for awareness about the publication ethics and publication misconducts.

Course Level:

• 2 Credit course (30 hrs.)

Eligibility:

• M.Phil., Ph.D. students and interested faculty members (It will be made available to post graduate students at later date)

Fees:

• As per University Rules

Faculty:

Interdisciplinary Studies

Qualifications of faculty members of the course:

• Ph.D. in relevant subject areas having more than 10 years' of teaching experience

About the course

Course Code: CPE-RPE

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.

Course structure

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

Modules	Unit title	Teaching
Theory	32 32 32 32 32 32 32 32 32 32 32 32 32 3	hours
RPE 01	Philosophy and Ethics	4
RPE 02	Scientific Conduct	4
RPE 03	Publication Ethics	7
Practice		
RPE 04	Open Access Publishing	4
RPE 05	Publication Misconduct	4
RPE 06	Databases and Research Metrics	7
	Total	30

Syllabus in detail

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

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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.

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