

ORDINANCE NO. CRS/11/Ph.D./1 – CRS/13/929/M.Phil./1
Updated vide notification No. F.1001/12/2019(Acad.) dated 31/01/2019
Revised M.Phil./Ph.D. ordinance based on UGC regulation (2016 & 2018)
Approved by Academic Council
NOIDA INTERNATIONAL UNIVERSITY

The Candidates seeking admission to M. Phil. / Ph. D. programmes in different subjects in Noida International University(NIU) shall be admitted as per rules given below:-

1. Eligibility criteria for admission to the M. Phil. / Ph. D. Programmes:

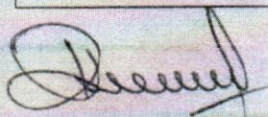
1.1 Candidates for admission to the M.Phil/Ph.D. programme shall have a Master's degree or a professional degree declared equivalent to the Master's degree by the corresponding statutory regulatory body, with at least 55% marks in aggregate or its equivalent grade 'B' in the UGC 7-point scale (or an 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 education institutions.

1.2 A relaxation of 5% of marks, from 55% to 50%, or an equivalent relaxation of grade, may be allowed for those belonging to SC/ST/OBC (non-creamy layer) differently-abled and other categories of candidates as per the decision of the Commission from time to time, or for those who had obtained their Master's degree prior to 19th September, 1991. The eligibility marks of 55% (or an equivalent grade in a point scale wherever grading system is followed) and the relaxation of 5% to the categories mentioned above are permissible based only on the qualifying marks without including the grace mark procedures.

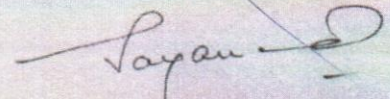
1.3 Candidates who have cleared the M. Phil. Course work with at least 55% marks in aggregate or its equivalent grade 'B' in the UGC 7-point scale (or an equivalent grade in a point scale wherever grading system is followed) and successfully completed the M. Phil. Degree shall be eligible to proceed to do research work leading to the Ph. D. Degree in the same Institution in an integrated programme. A relaxation of 5% of marks, from 55% to 50%, or an equivalent relaxation of grade, may be allowed for those belonging to SC/ST/OBC (non-creamy layer)/differently-abled and other categories of candidates as per the decision of the commission from time to time.


1.4 A person whose M. Phil. Dissertation has been evaluated and the viva voce is pending may be admitted to the Ph. D. Programmes, Subject to successful completion of the M. Phil degree vis-à-vis other aforesaid conditions.

1.5 Candidates possessing a Degree considered equivalent to M. Phil. Degree of an Indian Institution, 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, shall be eligible for admission to Ph. D. Programme.


(CRS- Head)


(Registrar)


(Vice Chancellor)


Prof. (Dr.) Jayanand
Registrar
Noida International University
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2. Duration of the Programme:

2.1 M. Phil. Programme shall be for a minimum duration of two (2) consecutive semesters / one year and a maximum of four (4) consecutive semesters / two years.

2.2 Ph. D. programme shall be for a minimum duration of three years, including course work and a maximum of six years.

2.3 Extension beyond the above one year in M.Phil and three years in Ph. D., Semester fees will be applicable.

2.4 The women candidates and Persons with Disability (more than 40% disability) may be allowed a relaxation of two years for Ph. D. in the maximum duration. In addition, the women candidates may be provided Maternity Leave/Child Care Leave once in the entire duration of M. Phil. / Ph.D. for up to 240 days.

3. Procedure for admission:

3.1 Candidates will be admitted to M. Phil / Ph. D. programmes through an Entrance Test conducted at the level of University. Applications shall be invited soon after declaration of results of Master Degree examinations of NIU as per dates prescribed.

3.2 The candidates who have qualified NET/ SLET/ GATE/ holder of teacher fellowship /M.Phil. degree passed are also required to qualify the University entrance test, if number of candidates are more than seats available. However these candidates shall have preference over those mentioned under 3.1 above.

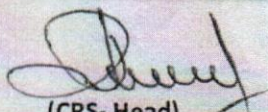
3.3 University will decide on an annual basis through their academic bodies a predetermined and manageable number of M. Phil. and/or Ph. D. scholars to be admitted depending on the number of available Research Supervisors and other academic and physical facilities available, keeping in mind the norms regarding the scholar- teacher ratio (as indicated in Para 4.5), laboratory, library and such other facilities.

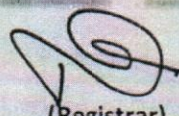
3.4 University will notify well in advance in its website and through advertisement in at least two (2) national newspapers, of which at least one (1) shall be in the regional language, the number of seats for admission, subject/discipline-wise distribution of available seats, criteria for admission, procedure for admission, examination centre (s) where entrance test (s) shall be conducted and all other relevant information for the benefit of the candidates.

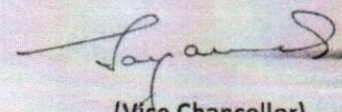
3.5 The admission shall be based on the criteria notified by the University, keeping in view the guidelines/norms in this regard issued by the UGC and other statutory bodies concerned, and taking into account the reservation policy of the Central/State Government from time to time.

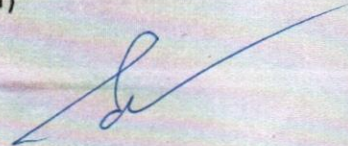
3.6 University will maintain the list of all the M. Phil. / Ph. D. registered students on its website on year-wise basis. The list shall include the name of the registered candidate, topic of his/her research, name and designation of his/her supervisor/co-supervisor, date of enrolment/registration.

3.7 The eligible candidates will be called for an entrance test on the notified date and time. Subsequently a personal interaction with the expert panel will be held to judge research aptitude in the candidate and also to consider applicant's proposed research area(s). Entrance test shall be qualifying with qualifying marks as 50%. The syllabus of Entrance test consists of 50% of research methodology and 50% shall be topic specific.


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4. Allocation of Research Supervisor:

The Departmental Research Committee (DRC) will scrutinize the applications of the enrolled students and allot the eligible supervisor(s) based on the area of Research Work mentioned in the application form subject to approval of Research Development Centre (RDC) under chairmanship of the Vice Chancellor. The allocation of seats with the supervisors will be as per number of seats available with them as mentioned at Para 4.5 below. DRC includes all approved supervisors of the department under the convenership of HOD. RDC includes all Deans/Directors and all Professors of the concerned Department. Director CRS shall act as member secretary. 50% of the members in both DRC and RDC shall form the quorum.

4.1 Any Regular Professor of the university with at least five research publications in refereed journals and any regular Associate/ Assistant Professor of the university with Ph.D. Degree and at least two research Publications in refereed journals may be recognized as research supervisor. Provided that in area/Discipline where there is no or only a limited number of refereed journals, the University may relax the above condition for recognition of a person as Research supervisor with reasons recorded in writing.

4.2 Only a full time regular teacher of the university can act as a supervisor. The external supervisor is not allowed. However, co-supervisor can be allowed in inter-disciplinary areas from other departments of the university or from other related institutions with the approval of the University authority.

4.3 The allocation of research supervisor for a selected research scholar shall be decided on the recommendation of the department concerned depending on the number of scholars per research supervisor, the available specialization among the supervisors and research interests of the scholars as indicated by them at the time of interview/viva voce.

4.4 In case of topics which are of inter-disciplinary nature where the department concerned feels that the expertise in the department has to be supplemented from outside, the department may appoint a research supervisor from the department itself, who shall be known as the research supervisor, and a co-supervisor from outside the department/schools on such terms and conditions as may be specified and agreed upon by the consenting school.

4.5 A research supervisor/co-supervisor who is a professor, at any given point of time, cannot guide more than three (3) M. Phil. and Eight (8) Ph. D. scholars. An associate professor as research Supervisor can guide up to maximum of two (2) M. Phil. and six (6) Ph. D. Scholar and assistant professor as research supervisor can guide up to maximum of one (1) M. Phil. and four (4) Ph. D. scholars.

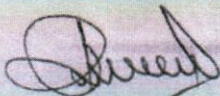
4.6 In case of relocation of an M. Phil. /Ph. D. woman scholar due to marriage or otherwise, the research data shall be allowed to be transferred to the university to which the scholar intends to relocate provided all the other conditions in these regulations are followed in letter and spirit and the research work does not pertain to the project secured by the NIU/Supervisor or any funding agency such a case will be handled on case to case basis as per norms of both Universities.


5. Course Work:

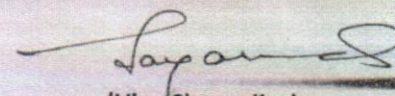
All M.Phil/Ph.D. students shall be required to undertake course-work for a minimum period of one semester.

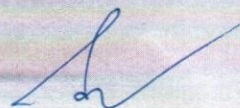
5.1 The credit assigned to the M. Phil and Ph. D. course work shall be a minimum of 08 credits and a maximum of 16 credits.

5.2 The course work shall be treated as prerequisite for M.Phil/Ph.D. preparation. A minimum of four credits


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each shall be assigned to one or more courses on Research Methodology which could cover areas such as quantitative methods, computer applications, research ethics and review of published research in the relevant field, training, field work, etc. Other courses shall be advanced level courses preparing the students for M.Phil./Ph.D. degree.

5.3 All courses prescribed for M.Phil. and Ph.D. course work shall be in conformity with the credit hour instructional requirements and shall specify content, instructional and assessment methods. They shall be duly approved by the authorized academic bodies.

5.4 The Department where the scholar pursues his/her research shall prescribe the course(s) to him/her based on the recommendations of the DRC.

5.5 All candidates admitted to the M.Phil. and Ph.D. programmes shall be required to complete the course work prescribed by the Department during the initial first semester.

5.6 Candidates already holding M. Phil. degree and admitted to the Ph.D. programme, or those who have already completed the course work in M.Phil. and have been permitted to proceed to the Ph.D. in integrated course, may be exempted by the Department from the Ph.D. course work.

5.7 Grades in the course work, including research methodology courses shall be finalized after a combined assessment by the Research Advisory Committee and DRC. The final grades shall be declared accordingly.

5.8 An M. Phil./ Ph. D. scholar has to obtain a minimum of 55% of marks or its equivalent grade in the UGC 7-point scale (or an equivalent grade/CGPA in a point scale wherever grading system is followed) in the course work in order to be eligible to continue in the programme and submit the dissertation/thesis.

6. Research Advisory Committees and its Functions:

Research Advisor Committee (RAC):

The Research Advisor Committee (RAC) shall consist of all approved supervisors specialised in the area of topic under the convenorship of supervisor.

This Committee shall have the following responsibilities:

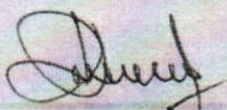
6.1 To review the research proposal and finalize the topic of research and prepare synopsis for the same.

6.2 To guide the research scholar to develop the study design and methodology of research and identify the course (s) that he/she may have to do.

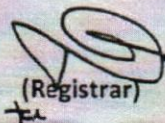
6.3 To periodically review and assist in the progress of the research work of the research scholar.

6.4 A research scholar shall appear before the Research Advisory Committee once in six months to make a presentation of the progress of his/her work for evaluation and further guidance. The six monthly progress reports shall be submitted by the Research Advisory Committee to the DRC for further action with a copy to the research scholar.

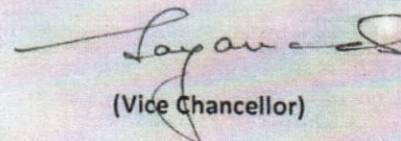
6.5 In case the progress of the research scholar is unsatisfactory, the Research Advisory Committee shall record the reasons for the same and suggest corrective measures. If the research scholar fails to implement these corrective measures, the Research Advisory Committee may recommend to the University with



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specific reasons for cancellation of the registration of the research scholar.

6.6 All research students, both M.Phil and Ph.D. shall mark attendance in the department for a minimum period of one year in case of M.Phil. and three years in case of Ph.D. Further their participation in all the research activities/conferences/seminars etc. in the department is mandatory.

7. Evaluation and Assessment Methods, minimum standards/credits for award of the degree, etc.:

7.1 The overall minimum credit requirements, including credit for the course work, for the award of M.Phil. degree shall not be less than 24 credits.

7.2 Upon satisfactory completion of course work, and obtaining the marks/grade prescribed in Para no. 5.8, as the case may be, the M.Phil./Ph.D. scholar shall be required to undertake research work and produce a draft dissertation/thesis within a reasonable time, as stipulated by the NIU based on these Regulations. Before a candidate is finally registered for Ph.D. research, he/she is required to submit synopsis within two months from the date of last paper of course work to be considered for registration by RDC.

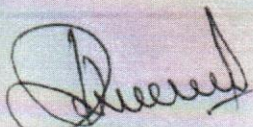
7.3 Prior to the submission of the dissertation/thesis, the scholar shall make a presentation in the Department before the DRC and Research Advisory Committee of the NIU which shall also be open to all faculty members and other research scholars. The feedback and comments obtained from them may be suitably incorporated into the draft dissertation/thesis in consultation with the Research Advisory Committee.

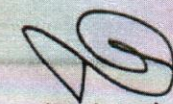
7.4 M.Phil. scholars shall present at least one (1) research paper in a conference/seminar and Ph.D. scholars must publish at least one (1) research paper in refereed journal and make two paper presentations in conferences/seminars before the submission of the dissertation/thesis for adjudication, and produce evidence for the same in the form of presentation certificates and/or reprints.

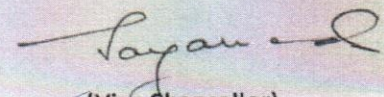
7.5 The Academic Council of the University shall evolve a mechanism using well developed software and gadgets to detect plagiarism and other forms of academic dishonesty. While submitting for evaluation, the dissertation/thesis shall have an undertaking from the research scholar and a certificate from the Research Supervisor attesting to the originality of the work, vouching that there is no plagiarism and that the work has not been submitted for the award of any other degree/diploma of NIU, or to any other institutions.

7.6 The M.Phil. dissertation submitted in specific format-annex-1, along with a certificate having completed requirement MSP (Minimum Standard and Procedures) as prescribed in Annexure.... by a research scholar, shall be, evaluated by his/her Research Supervisor and at least one external examiner who was never in the employment of the NIU. The Viva-Voce examination, based among other things, on the critiques given in the evaluation report, shall be conducted by both of them together, and shall be open to be attended by Members of the Research Advisory Committee/DRC, all faculty members of the Department, other research scholars and other interested experts/ researchers along with a certificate having completed requirement MSP (Minimum standard and procedure) as prescribed (Annexure 2).

7.7 The Ph. D. thesis submitted in specific format annex-3, along with a certificate having completed requirements for MSP (Minimum Standard and Procedures) by a research scholar, shall be evaluated by his/her Research Supervisor and at least two external examiners, who were never in employment of the NIU,


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of whom one examiner may be from outside the country. The viva-voce examination, based among other things, on the critiques given in the evaluation report, shall be conducted by the Research Supervisor and at least one of the two external examiners, and shall be open to be attended by Members of the Research Advisory Committee/DRC, all faculty members of the Department, other research scholars and other interested experts/researchers.

7.8 The public viva-voce of the research scholar to defend the dissertation/thesis shall be conducted only if the evaluation report(s) of the external examiner(s) on the dissertation/thesis is/are satisfactory and include a specific recommendation for conducting the viva-voce examination. If the evaluation report of the external examiner in case of M.Phil. dissertation, or any one of the evaluation reports of the external examiner in case of Ph.D. thesis, is unsatisfactory and does not recommend viva-voce, the University shall send the dissertation/ thesis to another external examiner out of the approved panel of examiners and the viva-voce examination shall be held only if the report of the latest examiner is satisfactory. If the report of the latest examiner is also unsatisfactory, the dissertation/ thesis shall be rejected and the research scholar shall be declared ineligible for the award of the degree.

7.9 The entire process of evaluation of M.Phil. dissertation/ Ph.D. thesis shall be within a period of six months from the date of submission of the dissertation/thesis.

7.10 Panel of Experts: Panel of experts not of below the rank of Professor for evaluation of M.Phil. and Ph.D. shall originate and submitted six months before along with abstract in case of Ph. D. as under:-

a. Supervisor shall submit a panel of six experts in case of Ph. D. and three experts in case of M. Phil. to the Head of the Department in a sealed cover.

b. Head of the Department shall forward the panel so received by adding names of two more experts in case of Ph. D. and one in case of M. Phil. and forward the same in sealed cover to Dean of Faculty/Director.

c. Dean of the Faculty/Director shall add two more names to the panel in case of Ph. D. and one case of M. Phil. and forward the same in sealed cover to Controller of Examination.

d. Controller of Examination shall get two names in case of Ph. D. and one in case of M. Phil. ticked, from the Vice Chancellor and get thesis evaluated from the experts with prior consent for evaluation.

e. Panel of experts shall be submitted with following information in each case.

i. Name of the expert.

ii. Designation of the expert as professor of.....(name of subject).

iii. Name of Institution with which expert affiliated.

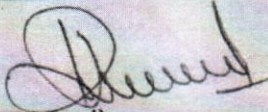
iv. Mailing Address.

v. Contact number.

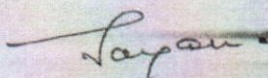
vi. E-mail Id.

8. Academic, administrative and infrastructure requirements:

University may access the required facilities of the neighboring Institutions/Colleges, or of those Institutions/Colleges /R&D laboratories/ Organizations which have the required facilities.


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9. Treatment of Ph.D. through Distance Mode/Part-time:

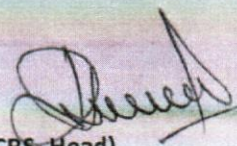
Part-time Ph.D. will be allowed provided all the conditions mentioned in the extant Ph.D. Regulations are met. The candidates who cannot complete their Ph.D. research work within three years on regular basis may be allowed after the regular period of three years to continue their research on part time basis if they apply in writing along with NOC from employees if working during next 1-3 years on year wise specific approval of extension. However, during the extended period their presence in all the seminars/conference or any research activity of the department are compulsory.

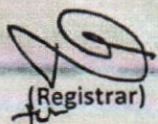
10. Award of M.Phil./Ph.D. degrees prior to Notification of these Regulations, or degrees awarded by foreign Universities:

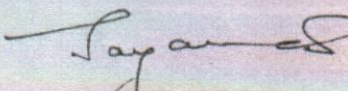
Award of degrees to candidates registered for the M.Phil./Ph.D. programme on or after July 11, 2009 till the date of Notification of these Regulations shall be governed by the provisions of the UGC (Minimum Standards and Procedure for Awards of M.Phil/Ph.D. Degree) Regulation, 2009.

11. Depository with INFLIBNET:

Following the successful completion of the evaluation process and before the announcement of the award of the M.Phil./Ph.D. degree(s), the University shall submit an electronic copy of the M. Phil. dissertation / Ph. D. thesis to the INFLIBNET, for hosting the same so as to make it accessible to all Institutions/Colleges/Public.


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12. Cancellation of Registration:

The registration of a candidate of the M.Phil. / Ph.D. Programme shall be cancelled:-

- (i) If the candidate is found involved in an act of gross indiscipline, unlawful activities, plagiarism and/or any such activity that may endanger the peace in the University campus and academic atmosphere.
- (ii) Candidate failed to attend two consecutive meetings of DRC without prior permission of concerned Head of Department..
- (iii) Candidate fails to attend minimum number classes of the course work or failed to maintain minimum attendance in the respective departments as prescribed by the University in accordance with UGC.
- (iv) Candidate fails to submit the required University Semester fees within due time.
- (v) Documents/ information of the candidates found fake/ inappropriate at any point of time.

13. Progress Reports:

The candidate shall submit a progress report on the format prescribed (Annexure.....) every 6 months. Non-submission of Progress Report by the candidate in due time may lead to cancellation of registration.

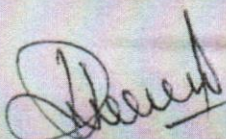
14. Award of Ph.D. Degree:

- (i) After successfully clearing the viva-voce examination, the candidate shall be awarded Ph.D. degree after the approval of the Academic Council.
- (ii) Prior to the actual award of the degree, the University shall issue a provisional Certificate to the effect that the Degree is being awarded in accordance with the provisions of these UGC Regulations, 2016 if asked for.
- (iii) The award of Ph.D. degree can be withdrawn by the University in case the thesis submitted by the candidate is found to be a duplication of an old work or pirated research work at any stage in life.
- (iv) No research scholar shall join any other course of study or appear at any other examination conducted by any institutions.
- (iv) The approved thesis shall be published only after obtaining permission from the University and such publication shall state on the title page of the book itself that this was a thesis approved for the award of the Ph.D. degree of the Noida International University.

15. Transfer of Credit:

A candidate having completed atleast one and half year period as regular Ph.D. candidate in another recognized university can be allowed to be migrated to NIU in the respective Subject for completing research work leading to award of Ph.D. degree subject to the following conditions.

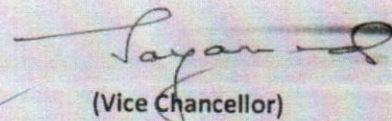
1. Completed all norms of eligibility explained above.
2. NOC from the university concerned to the effect that he/she completed not less than 75% attendance of the entire period of work.
3. Extent of work completed dully certified by the University from whom migration is sought.



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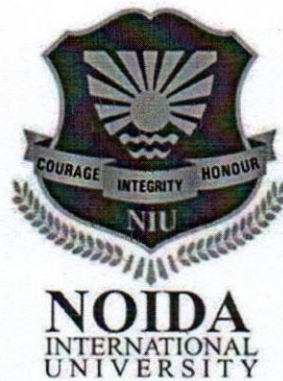


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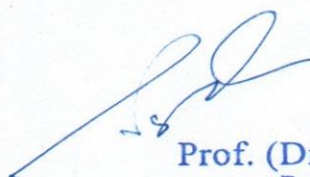
Centre for Research Studies
NOIDA INTERNATIONAL UNIVERSITY



Ph.D. PROGRAMME ACADEMIC

SESSION 2021-2022

Orientation Handbook for Course Work Classes



Prof. (Dr.) Jayanand
Registrar
Noida International University
Plot No-1, Sec-17 A, Yamana
Expressway, Gautam Budh Nagar (U.P.)



SCHEME OF EVALUATION Ph.D. Programme

S.No.	Course Code	Subject	Credits	Min Qualifying Marks/Grade	Max Marks
I	PHD-101	Research Methodology	4	64/B	100 marks
II	PHD-102	Computer Applications in Research	4	64/B	100 marks
III	PHD-103	Advances in Subject Domain	4	64/B	100 marks
IV	PHD-104	Research and Publication Ethics	2	64/B	100 marks

*Amended w.e.f January 2022, as per UGC D.O. No. F-1-1/2018(Journal/Care)

Course Code	Course Title	Contact Hours Per Week			Credit	ETE Duration	Weight age(%)		
		L	T	P		Hours	CW*	MTE	ETE
PHD-101	Research Methodology	3	-	2	4	3	30	20	50
PHD-104	Research and Publication Ethics	1	-	2	2	3	40	20	40

*Practical Evaluation is under the category of CW




RESEARCH METHODOLOGY

Paper Code -PHD-101

Credits - 4

UNIT I

BASIC CONCEPTS OF RESEARCH: Meaning, Types and importance of research, Ethical issues and considerations, formulating a Research Problem-- assumptions & characteristics, Hypothesis-- Meaning, Importance, Types and Formulation, Sampling-- Meaning & Factors influencing sampling, Types of Sampling methods: probability and non-probability sampling methods

UNIT II

TOOLS & TECHNIQUES OF DATA COLLECTION AND DATA ANALYSIS: Meaning, Primary &

Secondary data, Qualitative and Quantitative Methods and Techniques, methods and techniques of data analysis, preparing mind maps, cartography and maps, figures & tables, modelling, library access, software tools for data analysis, Research Design: Meaning and Types of Research Designs

UNIT III

WRITING RESEARCH REPORTS/THESIS/DISSERTATIONS: Structure and Components of research reports/thesis/dissertations, Types of Research Reports, Essentials of a good Report, review of literature, citations, referencing styles and bibliography, issues of plagiarism and data manipulations

UNIT IV

PUBLICATION IN JOURNALS/BOOKS: Writing research papers, publication of research paper, presenting research paper, copyright and patenting concerns



COMPUTER APPLICATIONS IN RESEARCH

Paper Code: PHD-102
Credits -4

UNIT-I

Microsoft word: Creating and editing documents formatting text and paragraph, formatting documents, creating and formatting tables, illustration documents with graphics, creating a web page, mail merge and document merging, working with styles and templates, developing multipage documents, integrating word with other applications, exploring advance graphics, building forms working with charts and diagrams.

UNIT-II


Microsoft Excel: Building and editing worksheet, formatting a worksheet, working with charts working with formulas and functions, managing workbooks and preparing them for the web, automating worksheet tasks with macros, using lists, analyzing list data, enhancing charts and worksheets using analysis tools, analyzing data with pivot tables, exchanging data with other programs.

UNIT-III

Microsoft PowerPoint: Creating presentation with Microsoft Power Point modifying a presentation inserting objects into presentation, finishing a presentation working with advanced tools and masters, enhancing charts, inserting illustration, objects and media clips, using advanced features.

UNIT – IV

Statistical Analysis: The analysis will be done with the help of SPSS, ILIWis and other statistical packages. The syllabus includes the following topics: Descriptive: Mean, Medium, Mode, Standard deviation using SPSS, Correlation, Regression, Test =- T. Z. x test, ANOVA



Research and Publication Ethics

Paper Code: PHD-104

Credits -2

OBJECTIVE: 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.

Theory

Unit I: Philosophy and Ethics

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

(4)

Unit II: Scientific Conduct

1. Ethics with respect to science and research.
2. Intellectual honesty and research integrity.
3. Scientific misconducts: Falsification, Fabrication, and Plagiarism (FET)
4. Redundant publications: duplicate and overlapping publications, salami slicing
5. Selective reporting and misrepresentation of data

(4)

Unit III: Publication Ethics

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, Problem 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

(07)

PRACTICE

Unit IV: Open Access Publishing

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 Journals Suggester, etc.

(4)

Unit V: publication misconduct

- A. Group Discussions
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
- Use of plagiarism software like Turnitin, Urkund and other open source software tools

(2)

Unit VI: Databases and research Metrics

- A. Databases
1. Indexing Databases
 2. Citation Databases: Web of Science, Scopus, etc.
- B. Research Metrics
1. Impact Factor of Journal as per Journal Citation Report, SNIP, SJR, IPP, City Score
 2. Metrics: h-index, g index, i10 index, altmetrics

(4)

(3)



Research Methodology

3-0-2-4

Course Objective:

1. To equip students with knowledge, abilities and insight in research methodology and related interdisciplinary fields.
 2. to plan and design research using scientific and statistical methods.
-
1. Introduction to Research: Meaning, nature, purpose and motivation:



Advances in Subject Domain



ADVANCES IN MASS COMMUNICATION (SJMC)

Paper Code: PHD-103/SJMC-1

Credits -4

UNIT-I

Communication: meaning, definition, need, characteristics, objectives, process, types, 7Cs, barriers, mass communication: characteristics, meaning, concept, functions, impact, media, Mass media: kinds, characteristics, functions, dysfunctions, changing concept of communication in Indian context. Models: SMR, SMCR, Shannon and Weaver, Lasswel, Osgood & HUB.

UNIT-II

Theories of communication: Dependency Theory, Cultivation Theory, Agenda Setting Theory, Use and Gratification Theory, Hypodermic Needle Theory, Limited Effects Theory, Noelle- Nuemann's spiral of silence theory, Normative Media Theory – authoritarian, libertarian, social responsibility, democratic participation, developmental theory, interactive theory, psychological and individual differences theory.

UNIT -III

Media ownership patterns in India, issues of media monopoly, concepts of ownership, management and control, control by corporates and political interests, changing role of editorial department, Issue of FDI in media, apex bodies in media (INS, ABC, RNI, PCI, AINEC etc). Media content, market – driven media content – effects & infotainment.

UNIT -IV

Traditional and Modern Media of Mass Communication, Communication Grammar and communication skill. New concepts and trends of mass media.



ADVANCES IN FINANCE AND ACCOUNTING (SBM)

Paper Code: PHD-103/SBM-1

Credits -4

Course Objective: To provide the brief introduction of all the relevant topics covered in finance and accounting.

Pedagogy: Case based Approach

Unit 1: Accounting for Management

Meaning and scope of accounting, Bookkeeping and accounting, Persons interested in accounting, Branches of accounting, Objectives of accounting, Accounting principles, Accounting cycle, Journal, Ledger, Trial balance, Final Accounts (with and without adjustment entries), Concept of depreciation, Analysis and interpretation of financial Statements, Ratio analysis, Cash flow statement, Fund flow statement, Meaning and scope of cost accountancy.

Unit 2: Financial Management

Nature of financial management, Objectives of financial management, Finance function, Scope of financial management, Responsibilities and functions of financial manager, Nature and meaning of financial planning, Steps in financial planning, Need and importance of financial planning, Factors influencing financial planning, Characteristics of a sound financial plan, Limitations of financial planning, Importance of capitalization, Meaning of Under and over capitalization, Difference between of capital structure and capitalization, Capital gearing, Trading on equity, Meaning of dividend policy, Nature of dividend policy, Types of dividends, Forms of dividend policy.

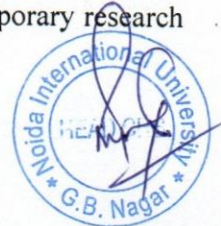
Unit 3: Investment and Portfolio Analysis

Nature and scope of investment management, Investment avenues, Types of financial assets, Security, Return and risk – systematic and unsystematic risk – sources of risk, Measurement of risk and return, Sources of investment information, Fixed income securities – Bonds, Preference Shares – Sources of Risk, Valuation, Duration of Bonds – Theory of Interest Rates – Yield Curve, Bond Innovations and their Valuation. Fundamental Analysis: Economic Analysis, Industry Analysis, Company Analysis and Technical Analysis, Concept of portfolio management, types of portfolio management, Concept of portfolio analysis.

Unit 4: Indian financial System

Financial markets and institutions; Financial intermediation; Financial system, Overview of Indian financial system, Money market – functions, organization and instruments, Role of central bank in money market, Indian money market – An overview, Capital Markets – functions, organization and instruments, Indian debt market, Indian equity market – primary and secondary markets, Role of stock exchanges in India, Commercial banking – introduction, its role in project finance and working capital finance, Development Financial institutions (DFIs) – An overview and role in Indian economy, Life and non-life insurance companies in India; Mutual Funds – Introduction and their role in capital market development. Non-banking financial companies (NBFCs), Contemporary research issues in accounting and finance.

Suggested Reading:



1. Reilly and Brown. Analysis and Portfolio Management , Cengage Learning, India Ed.
2. Prasanna Chandra. Investment Analysis and Portfolio Management, McGraw Hill Education
3. V.K. Bhalla. Investment Management, S. Chand & Company Ltd.,
4. L M Bhole and Jitendra Mahakud. Financial Institution and Markets, McGraw-Hill Education
5. Khan, M.Y. Indian Financial System, McGraw-Hill Education.
6. Prasanna, Chandra. Financial Management: Theory and Practice. McGraw-Hill Education.
7. Clifford Gomez. Financial Markets, Institutions and Financial Services, PHI Learning
8. Singh, J.K. Venture Capital Financing in India. Dhanpat Rai and Company, New Delhi.
9. Anthony, RN. and Reece. J.S.: Accounting Principles: Richard Irwin Inc.
10. Gupta. R.L.and Radhaswamy. M. Financial Accounting; Sultan Chand and Sons, New Delhi.
11. Monga J.R., Ahuja Girish, and Sehgal Ashok. Financial Accounting, Mayur Paper Back. Nokia.
12. Shukla. M.C., Grewal T.S., and Gupta, S.C. Advanced Accounts, S. Chand & Co. New Delhi.
13. Compendium of Statement and Standards of Accounting: The Institute of Chartered Accountants of India, New Delhi.



ADVANCES IN MARKETING MANAGEMENT (SBM)

Paper Code: PHD-103/SBM-2

Credits -4

Objectives:

To develop scholars with the ability to conduct and evaluate research in the area of marketing by focusing on relevant theories, research issues and quality research in the area of marketing.

Pedagogy: Case based Approach

Unit-1: Introduction to Marketing

Meaning and Concept of Marketing. Core Concepts of marketing. Marketing mix and Marketing environment and its variables. STP strategies. Pricing decisions, setting up of distribution channels. Supply Chain Management

Unit 2: Advertising & Sales promotion

Promotion mix, concept of advertising, objectives of advertising. Role of Advertising in Marketing Mix and Positioning, Advertisers and Advertising Agencies; advertising budget. Concept of ATL, BTL, TTL. Role of media in advertising. Advertising copy, AIDA model, role of sales promotion in marketing, consumer and trade sales promotion, personal selling; personal selling process.

Unit 3: Consumer Behaviour & Service Marketing

Consumer Behaviour –Introduction, dimensions of consumer behaviour. Psychological influences on consumer behaviour- motivation- perception-personality- learning and attitude. External influences- socio-cultural, family and reference groups. Consumer decision making process. Diffusion of innovation, managing dissonance. Customer relationship management - process and measurement of customer relationship management

Service Marketing: Unique features of services; Tasks involved in service marketing; service quality – meaning; gap model of service quality, measuring service quality- SERVQUAL

Unit 4: Marketing Research

Introduction, Marketing Research and its Management, Nature and Scope of Marketing Research. Marketing Information System and Research, Online Marketing Research, Recent Trends in Marketing Research, Research in Lifestyle Retail, Marketing Research and Social Marketing, Rural Marketing Research, Trends in Services Marketing Research, Brand Equity Research, International Marketing and Branding Research

Contemporary Research Issues in Marketing: Green marketing; event marketing; network marketing; direct marketing; social marketing; buzz marketing / viral marketing.

Above topics are indicative and other contemporary issues – may be discussed.



Recommended Text Books:

1. Kotlar, Philip, Marketing Management, Prentice Hall, New Delhi.
2. Stanton, Etzel, Walker, Fundamentals of Marketing, Tata-McGraw Hill, New Delhi.
3. Saxena, Rajan, Marketing Management, Tata-McGraw Hill, New Delhi.
4. Luck and Rubin: Marketing Research; PHI
5. D.R. Cooper & P.S. Schindler: Marketing Research; TMH
6. Naresh K Malhotra: Marketing Research; Pearson
7. Leon G. Schiffman and Leslie Lasar Kanuk, Consumer Behavior, Pearson Education, India,
8. Paul Peter et al., Consumer Behavior and Marketing Strategy, Tata McGraw Hill, Indian Edition
9. Marketing and Branding, S. Ramesh Kumar, Pearson.



ADVANCES IN HUMAN RESOURCE MANAGEMENT (SBM)

Paper Code: PHD-103/SBM-3
Credits -4

Course Objective: This course involves scholars in an intensive analysis of human resource management. The Aim of interaction with the scholar is to encourage them to develop cross-boundary ideas and prepare a research proposal.

Pedagogy: Case based Approach

Unit-I Human Resource Management & Strategic Human Resource Management:

HRM: Concept, Functions, Roles, Skills and Competencies, Changing Environment of HRM, Global HRM and Workforce Diversity

SHRM: Conceptual Framework of SHRM, Components of SHRM, Total quality Management, Challenges in SHRM.

Unit-II Talent Management and Human Resource Development:

Talent Management: Meaning and objectives, Role of talent Management, Key processes of talent management: Job analysis, Human resource planning, Recruitment and selection, Employee Engagement and Retention, Talent Management issues and challenges.

Human Resource Development: Concept, significance of training and development, training need analysis, training methods and evaluation, Management Development.

Performance Management System: Overview, Objectives, Performance Appraisal & Review, Balance Score Card.

Unit-III Organizational Behavior and Development:

Overview: Personality, Attitude and Perception, Organization Systems and Structure, Motivation, Leadership, Power and Politics, Group Dynamics, Organization Culture, Organization Change, Conflict Management.

Unit-IV Contemporary Research Issues in HR

Organization Effectiveness, Person- Organization fit & Artificial Intelligence in HR, Emotional Intelligence, Social Intelligence, Generational Studies in HR.

Above topics are indicative and other contemporary issues – may be discussed.

Suggested readings: A list of reading may be prepared by the discussant faculty keeping research processes, courseware, path breaking and contemporary works in mind.

Reference books:

1. Gareth R. Jones, Organizational Theory, Design & Change, Pearson Education.
2. Robbins Organisation Theory; Structure Design & Applications, Prentice Hall of India.
3. Dessler Gary, A Framework for Human Resource Management, Pearson Publication, 7th Edition.
4. K. Aswathappa – Human Resources and Personnel Management, Tata McGraw Hill



ADVANCES IN OF ECONOMICS (SBM)

Paper Code: PHD-103/SBM-4

Credits -4

Course Objective: To provide the brief introduction of all the relevant areas of Economics

Pedagogy: Case Based Approach

Unit-I: Micro Economic Theory

Theory of Consumer Behaviour; Theory of Production and Costs; Decision making under uncertainty, Attitude towards Risk; Game Theory – Non-Cooperative games; Market Structures; Efficiency Criteria: Pareto-Optimality; Asymmetric Information: Adverse Selection and Moral Hazard

Unit-II: Macro Economic Theory

Classical & Keynesian Approach: Determination of output and employment; Consumption Function; Investment Function; Demand for Money & Supply of Money; IS-LM Model Approach; Inflation and Phillips Curve Analysis; Business Cycles; Monetary and Fiscal Policy; Rational Expectation Hypothesis and its critique

Unit-III: International Trade and Finance

Theories of International Trade; Balance of Payments: Composition, Equilibrium and Disequilibrium and Adjustment Mechanisms; Determination and Types of Exchange Rate; Foreign Exchange Market and Arbitrage; Gains from Trade, Terms of Trade, Trade Multiplier; Tariff and Non-Tariff Barriers; Dumping; GATT, WTO and Regional Trade Blocks; IMF & World Bank; 2007-08 International Debt Crisis

Unit-IV: Basic Econometrics

Introduction to Econometrics; Nature of Regression Analysis; Two-Variable Regression Analysis; Classical Linear Regression Analysis; Multiple Linear Regression Analysis; Multicollinearity; Autocorrelation; Heteroscedasticity; Qualitative Regression Models; Time-Series Analysis

Suggestive Reading:

1. N. Gregory Mankiw (2007). Economics: Principles and Applications, 4th edition, India edition by South-Western, a part of Cengage Learning, Cengage Learning India Private Limited, ISBN-13:978-81-315-0577-9 (hereafter Mankiw, 2007, 4e).
2. Pindyck, Robert S. and Daniel L. Rubinfeld. Microeconomics Microeconomics, 8th edition, Upper Saddle River, New Jersey.
3. N. Gregory Mankiw (2013). *Macroeconomics*, 8th edition, Worth Publishers.
4. Edward Shapiro (2013). *Macroeconomic Analysis*, 5th edition, Galgotia Publications.
5. Dominick Salvatore (2011). *International Economics: Trade and Finance*, 10th edition, John Wiley International Student Edition.
6. D.M. Mithani (2015). *International Economics*, Himalaya Publishing House, Delhi
7. Damodar N Gujarati, Dawn C Porter and Sangeetha Gunasekar
8. Christiana E. Hilmer and Michael J. Hilmer (2020). *Practical Econometrics - data collection, analysis, and application*. Tata McGrawhill Education



ADVANCES IN ENVIRONMENTAL ENGINEERING (SET)

Paper Code: PHD-103/SET-1

Credits -4

UNIT I

Conventional water and waste water treatment methods, their capabilities and limitations, need for advanced treatment of water and waste water, Advanced water treatment- Iron and manganese removal, colour and odour removal, Activated carbon treatment, chlorination of waste water, Pure oxygen systems, Multistage treatment systems

UNIT II

Methods for the removal of heavy metals, oil and refractory organics, Flotation: Objective, Types of flotation systems, Design considerations, Chemical precipitation for removal of phosphorous, heavy metals and dissolved inorganic substances, Gas transfer: Aeration systems

UNIT-III

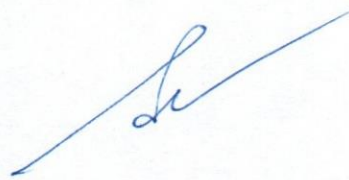
Advanced waste water treatment- Carbonate balance for corrosion control and modern methods and fluoride removal, Membrane filtration: Terminology, Process classification, Membrane configurations, Membrane operation for micro filtration, Ultra filtration, Ion exchange and Reverse osmosis, Area requirement, Membrane fouling and its control, Application of membranes.

UNIT- IV

Microbial growth kinetics, Modeling suspended and attached growth treatment processes. Suspended growth processes for biological nitrification and denitrification, Nutrient control in effluents, Nitrogen and phosphorus removal methods including biological methods, Anaerobic sludge blanket processes, Design considerations for Upflow Anaerobic Sludge Blanket process (process options, components influence process design).

UNIT- V

Wetland and aquatic treatment systems; Types, application, Treatment kinetics and effluent variability in constructed wetlands and aquatic systems, Design procedures for constructed wetlands, Management of constructed wetlands and aquatic systems.



ADVANCES IN DATA MINING (SET)

Paper Code: PHD-103/SET-2
Credits -4

UNIT-I

FUNDAMENTALS: Relation to Statistics – Databases – Data Mining Functionalities – Steps in Data Mining Process – Architecture of a Typical Data Mining Systems – Classification of Data Mining Systems – Overview of Data Mining Techniques

UNIT-II

DATA PREPROCESSING AND ASSOCIATION RULES: Data Preprocessing – Data Cleaning – Integration – Transformation – Reduction – Discretization – Concept Hierarchies – Concept Description Data Generalization and Summarization – Based Characterization – Mining Association Rules in Large Databases.

UNIT-III

PREDICTIVE MODELING: Classification and Prediction Issues Regarding Classification and Prediction, Classification by Decision Tree Induction – Bayesian Classification – Other Classification Methods– Prediction – Clusters Analysis – Types of Data in Cluster Analysis – Categorization of Major Clustering Methods – Partitioning Methods – Hierarchical Methods.

UNIT-IV

DATA WAREHOUSING: Data Warehousing Components – Multi Dimensional Data Model – Data Warehouse Architecture – Data Warehouse Implementation – Mapping the Data Warehouse to Multiprocessor Architecture – OLAP – Need – Categorization of OLAP Tools.



ADVANCES IN WELDING TECHNOLOGY (SET)

Paper Code: PHD-103/SET-3

Credits - 04

Syllabus content:

UNIT-1 Welding Metallurgy: Welding as compared with other fabrication processes, Classification of welding processes; Heat affected zone and its characteristics; Effects of alloying elements on weldability, Weldability of steels, stainless steel, cast iron, and aluminum and titanium alloys, Weld testing standards, Hydrogen embrittlement, Lammellar tearing, residual stresses and its measurement, heat transfer and solidification, Analysis of stresses in welded structures, Pre and post welding heat treatments, Metallurgical aspects of joining, Conditions of soldering, Brazing and welding of materials.

UNIT-2 Weld Design & Quality Control: Principles of sound weld design, Welding joint design, Welding defects; Testing of weldment, Material joining characteristics, Welding positions, Allowable strength of welds under steady loads, Weld throat thickness; Weld quality, Discontinuities in welds, their causes and remedies and quality conflicts.

UNIT-3 Modern Trends in Welding: Friction welding, Explosive welding, Diffusion bonding, High frequency induction welding, Ultrasonic welding, Electron beam welding, Plasma arc welding, Laser welding.

UNIT-4 Mechanisation in Welding: Mechanisation of flat/circular joints, Thin/thick sheets (resistance/arc weld), Mechanisation of I beams (arc weld), Longitudinal circumferential SA welding (roller blocks, column booms, flux supports), Circular/spherical welding joints (rotating tables positioners), Manufacture of welding longitudinal welded pipes by induction, TIG, Plasma and SA welding of spiral welded pipes.

UNIT-5 Robotics in Welding: Robot design and applications in welding, Programming of welding robots, tolerances for assemblies for robot welding, New generation of welding robots, Self alignment by current arc variation, Robots for car body welding, Microelectronic welding and soldering, Efficiency of robotics in welding.

References:

1. Advanced Welding Processes Nikodaco & Shansky MIR Publications
2. Welding Technology and Design VM Radhakrishnan New Age International
3. Source Book of Innovative welding Processes M.M. Schwarzir Americal Society of Metals (Ohio)
4. Advanced Welding Systems, Vol. I, II, III J. Cornu Jaico Publishers
5. Manufacturing Technology (Foundry, Forming and Welding) P.N. Rao Tata McGraw Hill



ADVANCES IN WELDING TECHNOLOGY (SET)

Paper Code: PHD-103/SET-3

Credits - 04

Syllabus content:

UNIT-1 Welding Metallurgy: Welding as compared with other fabrication processes, Classification of welding processes; Heat affected zone and its characteristics; Effects of alloying elements on weldability, Weldability of steels, stainless steel, cast iron, and aluminum and titanium alloys, Weld testing standards, Hydrogen embrittlement, Lammellar tearing, residual stresses and its measurement, heat transfer and solidification, Analysis of stresses in welded structures, Pre and post welding heat treatments, Metallurgical aspects of joining, Conditions of soldering, Brazing and welding of materials.

UNIT-2 Weld Design & Quality Control: Principles of sound weld design, Welding joint design, Welding defects; Testing of weldment, Material joining characteristics, Welding positions, Allowable strength of welds under steady loads, Weld throat thickness; Weld quality, Discontinuities in welds, their causes and remedies and quality conflicts.

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2. Welding Technology and Design VM Radhakrishnan New Age International
3. Source Book of Innovative welding Processes M.M. Schwarz American Society of Metals (Ohio)
4. Advanced Welding Systems, Vol. I, II, III J. Cornu Jaico Publishers
5. Manufacturing Technology (Foundry, Forming and Welding) P.N. Rao Tata McGraw Hill



ADVANCES IN MACHINE TOOL DESIGN (SET)

Paper Code: PHD-103/SET-4

Credits -4

UNIT-1. Introduction-Calculation Data (Forces, Velocities and Power Requirements during metal cutting: Turning: Cutting force, Cutting Speed and Feed Rate. Drilling: Cutting forces, Cutting Speed and Feed Rate. Milling: Chip Section, Cutting force, Milling with Cutter Heads.

Grinding: Grinding Forces, Cutting Speed, Feed Rate, and Depth Setting. Planning, Shaping and Broaching.

UNIT-2. General Requirements of the Machine Tool: Accuracy of Shape, Dimensional accuracy and surface finish of the components produced. High Productivity. High Technical and Economic Efficiency.

UNIT-3. Design Principles: Stiffness and Rigidity of the Separate Constructional Elements and their Combined behavior Under Load, Static Rigidity, Dynamic Rigidity, Natural frequencies, Damping, Mode of Vibration. Standardization of Spindle Speeds and Feed Rates: Layout of Speed Change Gears. Saw Diagrams for Arithmetic Progression, Geometric Progression, Harmonic Progression and Logarithmic Progression of spindle speeds for Mechanical Stepped Drives for Machine Tools. Establishment of Gear Ratios, Layout of the Intermediate Reduction Gears,

UNIT-4 Calculation of Transmission Ratios, Pulley Diameter, Gear Wheel Diameters and Number of Teeth. Ray Diagram. Speed Diagram. Electrical, Mechanical and Hydraulic Drives for the Operational Movements: Electric Drive and Control Equipment. Mechanical and Hydraulic Drives. Drives for Producing Rotational Movements, Stepped Drives, Step less Drives. Drives for Producing Rectilinear Movements. Backlash Eliminator in the Feed Drive Nut.

UNIT-5 Automatic Control: Principles and Constructional Elements. Automatic Driving of the Cutting Movements, Feed Movements, and Return Movements. Automatic control of movements for Starting, Stopping and Reversing. Automatic Clamping and Unclamping the work piece. Automatic Selection of Required Speeds, Automatic Setting of Tools. Automatic Measurement of Machined Shape and Surfaces. Transport of Components from One Machine to the Next. Applications (Examples of Automatic Machines).

UNIT-6 Design of Constructional Elements: Machine Tool Structures, Structural Elements Design for Centre Lathe, Drilling Machine, Knee Type Milling Machine, Planning Machine, Boring Machine, and Grinding Machines. Design of Slide Ways: Design of Slide ways for Tables, Saddles and Cross-slides. Antifriction Bearings for slide ways. Hydrostatically Lubricated Slide ways.

References:

1. Design Principles of Metal-Cutting Machine Tools by F. Koenigsberger
2. Machine Tool Design by N. K. Mehta. McGraw Hill Publishing
4. Machine Tool Design by Acherkan, Mir publishing
5. Machine Tool Design by S.K, Basu, Oxford and IBH Publishing
6. Machine tool design by Sen and Bhattacharya, CBS Publications



ADVANCES IN SURFACE ENGINEERING (SET)

Paper Code: PHD-103/SET-4

Credits -4

UNIT-1

Introduction to surface engineering – importance and scope of surface engineering, conventional surface engineering practices like pickling, grinding, buffing etc.,

UNIT-2

surface engineering by material addition like electroplating, surface modification of ferrous and non-ferrous materials like nitriding, cyaniding, aluminizing etc.

UNIT-3

Advanced surface engineering practices like laser assisted surface modification, electron beam assisted modification, spraying techniques like flame and plasma spraying, high velocity oxyfuel, cold spray techniques.

UNIT-4

Sputter deposition processes, PVD and CVD methods of surface coatings, surface modification by ion implantation and ion beam mixing.

UNIT-5

Characterizations of the engineered surface and coatings like thickness, porosity and adhesion of coatings, surface microscopy and spectroscopic analysis of the modified surfaces. Functional coatings and their applications.

References:

1. Surface Engineering & Heat Treatment By: P.H Morton I.I.T, Brooke field, (1991).
2. Metals Handbook Ninth Edition, Vol.5, Surface Cleaning, Finishing & Coating, ASM, Metals Park Ohio, 1982.
3. Corrosion Engineering By: M.G. Fontana, M.C. Graw Hill, N. York, 1987



ADVANCES IN BIOETHICS, BIOSAFETY & INTELLECTUAL PROPERTY RIGHTS (SOS)

Paper Code: PHD-103/SOS-1
Credits -4

UNIT I

Biotechnology and social responsibility, public acceptance issues in biotechnology, issues of access, ownership, monopoly, traditional knowledge, biodiversity, benefit sharing, environmental sustainability, public vs private funding, biotechnology in international relations, globalization and development divide.

UNIT II

Introduction to bioethics: Social and ethical issues in biotechnology. Principles of bioethics. Ethical conflicts in biotechnology- interference with nature, unequal distribution of risk and benefits of biotechnology, bioethics vs business ethics.

UNIT III

Biosafety: Definition of bio-safety, Biotechnology and bio-safety concerns at the level of individuals, institutions, society, region, country and world with special emphasis on Indian concerns. Biosafety in laboratory institution: laboratory associated infection and other hazards, assessment of biological hazards and level of biosafety. Bio safety regulation: handling of recombinant DNA products and process in industry and in institutions (Indian context).

UNIT IV

Introduction to IPR: IPR, forms of IPR and Intellectual property protection. Concept of property with respect to intellectual creativity, Tangible and Intangible property. WTO: agency controlling trade among nations, WTO with reference to biotechnological affairs, TRIPs. WIPO, EPO.



ADVANCES IN IMMUNOTECHNOLOGY (SOS)

Paper Code: PHD-103/SOS-2

Credits -4

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Unit 1:

Introduction to immunology: History and scope of immunology; types of immunity; anatomy of lymphoid organs- primary and secondary lymphoid organs; immunoglobulin structure and function; memory cells, lymphocyte differentiation.

Unit 2:

Biology of complement systems: Structure and function of MHC class I and II molecules; antigen recognition and presentation; humoral and Cell mediated immune responses; hypersensitivity reaction; immune suppression and immune tolerance; auto immune disorders.

Unit 3:

Antigen & Antibodies: Antigen- isolation, purification and characterization of various antigens and haptens; antibodies- production, purification and quantification of immunoglobulins; antigen - antibody reaction; hybridoma and monoclonal antibody production; immuno-diagnosis and applications; human monoclonal antibodies; complement fixation.

Unit 4:

Immunotechnology: Purification of mononuclear cells from peripheral blood; isolation and characterization of T cells subsets; Antigen processing and presentation; fluorescent activated cell sorter (FACs); mitogen and antigen induced lympho-proliferation assay; mixed lymphocyte reaction (MLR); Assay of macrophage activation; Macrophage & Dendritic cells culture.

Unit 5:

Vaccine Technology: Introduction to Vaccine technology including DNA vaccines - identification of T and B epitopes for vaccine development. immunodiagnosis of Infectious diseases.

Suggested Readings:

1. Immunology, Richard A. Goldsby, Thomas J. Kindt. Barbara, A. Osborne, Janis Kuby 5th Edition, 2003. W. H. Freeman & Company.
2. Immunology, L.M. Roitt, J. Brestoff and D.K. Male, 1996.
3. Immunology, V Edition - Richard A.Goldsby, Thomas. J. Kindt, A. Osborne, JanisKuby, 2003. W.H. Freeman and company.
4. Immuno-biology, JanewayCA and Paul Travers 1994.
5. Immunological techniques, D.M. Weir, 1992.
6. Immunology, I.Roitt, 1960
7. Current Protocols in Immunology 3 Volumes, Wiley Publications 1994.
8. Monoclonal Antibodies: Principles and Practice, J. W. Goding, 1983. Academic Press
9. Hybridoma Technology in the Biosciences and medicine, T.A. Springer, 1985. Plenum PressNY.



ADVANCES IN LINEAR ALGEBRA (SOS)

Syllabus

Paper Code: PHD-103/SOS-3

Credit: 4

UNIT – I: Basic Concepts

Some special type of matrices: Orthogonal, Symmetric, Skew-symmetric, Unitary; Hermitian and Skew-Hermitian matrices and their Eigen values

Definition of groups, rings and fields with illustrations

UNIT – II: Vector Spaces

Vector spaces, Linear Dependence and independence, Basis, Dimension, Row and Column spaces of matrices, Connection with rank, The space of solution of a system of linear homogeneous equations

UNIT – III: Linear Transformations

Linear transformations and their algebra, Connecting between matrices and linear transformation, Determinant and trace of a linear transformation, Rank and Nullity of a linear transformation, Eigen values and Eigen vectors, Cayley-Hamilton Theorem.

UNIT – IV: Singular value decomposition and the spectral theorem

Singular value decomposition of linear maps, Singular value decomposition of matrices, Adjoint maps, The Spectral Theorems.

References

• Introductory

- *Elements of linear algebra*, Main Author: Pettofrezzo, Anthony J. Publisher: Englewood Cliffs, N.J., Prentice-Hall [1970]. (Location: Anschutz Library; Call Number: QA251 .P46)
- *A first course in linear algebra*, Main Author: Zelinsky, Daniel, Publisher: New York, Academic Press [1968]. (Location: Anschutz Library; Call Number: QA251 .Z43)
- *A geometric introduction to linear algebra*, Main Author: Pedoe, Daniel. Publisher: New York, Wiley [1963]. (Location: Anschutz Library; Call Number: QA251 .P28)
- *Introduction to matrix theory and linear algebra*, Main Author: Reiner, Irving. Publisher: New York, Holt, Rinehart and Winston [1971]. (Location: Anschutz Library; Call Number: QA263 .R45)

• Intermediate

- *Fundamentals of linear algebra*, Main Author: Nomizu, Katsumi, Publisher: New York, McGraw-Hill [1966]. (Location: Anschutz Library; Call Number: QA251 .N6)
- *Fundamentals of linear algebra*, Main Author: Lightstone, A. H. Publisher: New York, Appleton-Century-Crofts [1969]. (Location: Anschutz Library; Call Number: QA251 .L5185)
- *Elements of linear algebra*, Authors: Lowell J. Paige and J. Dean Swift. Publisher: Boston, Ginn [1961]. (Location: Anschutz Library; Call Number: QA251 .P25)

• Advanced

- *Advanced linear algebra*, Steven Roman, Publisher: New York : Springer-Verlag, 1992. (Location: Anschutz Library; Call Number: QA184 .R65 1992)

• Applied

- *Applied linear algebra*, Ben Noble, Publisher: Englewood Cliffs, N.J., Prentice-Hall [1969]. (Location: Anschutz Library; Call Number: QA251 .N54)
- *Applied linear algebra*, Riaz A. Usmani, Publisher: New York : M. Dekker, c1987. (Location: Anschutz Library; Call Number: QA184 .U76 1987)



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ADVANCES IN PUBLIC HEALTH (SOAHS)

Paper Code: PHD-103/SON&HS-1
Credits-4

UNIT I

MEDICAL SOCIOLOGY & BEHAVIOURAL SCIENCES: Principles of Sociology and the Behavioral Sciences, Principles of Social Psychology, Application of Sociology in Health and Development, Nutrition and Food Safety in Public Health, Concept of Health & Disease

UNIT II

HEALTH INFORMATICS & ADVANCE STATISTICS; Health Informatics, Advance Statistics, Epidemiology, Public Health Occupational Health and Management (Introduction of Occupational Health Including Development of Occupational Health, Work and Health with Special Reference to Developing Countries, Approaches to Identify and Prevention of Occupational Diseases, Selected Groups of Workers, Approaches to Occupational Health); Communicable Diseases and Non-Communicable Diseases.

UNIT III

PUBLIC HEALTH MANAGEMENT: Concept and Theories, Program Planning, SWOT, Quality Management, Management, Health Systems Development and Management, Principles and Practice of Information, Education & Communication, Reproductive & Child Health Including Family Welfare (RCH), (Structure of RCH and Family Welfare Services in India, Components and Services of Reproductive and Child Health, Family Welfare, Evaluation of M C H & FP Services)

UNIT IV

NATIONAL HEALTH PROGRAMMES: Health Care for Special Groups (School Children, Adolescent, Aged and the Challenged Groups), School health services, Health Care for the Aged and Challenges (community geriatrics, the challenged and rehabilitation). Voluntary Sector in Health / Public Private Partnership, Public Health in Emergencies (PHE), Environmental Health & Sustainable



ADVANCES IN FUNDAMENTALS OF EDUCATION (SOE)

Paper Code: PHD-103/SOE-1

Credits-4

UNIT-I

PHILOSOPHY AND SOCIOLOGY OF EDUCATION:

Concept of Educational Philosophy, Indian School of Philosophy (Sankhya, Vedanta, Nyaya, Buddhism, Jainism & Islamic traditions), Modern Concept of Philosophy (logical analysis, logical empiricism & positive relativism), Major Western Philosophy (Naturalism, Idealism & Pragmatism). Concept of Educational Sociology and Sociology of Education, Meaning and Educational implications of Social Stratification, Meaning and Role of culture in Education, Role and Status, Socialization, Concept of Urbanization, Modernization, Westernization, Sanskritization, and Social Change in reference to Indian Society. Meaning of Socio –Economic Factors and their impact on Education.

UNIT-II

PSYCHOLOGY OF EDUCATION:

Concept of Educational Psychology (Experimental, Clinical & Differential) , Concept of Growth and Development (Physical, Mental, Social and Emotional), Theories of Growth and Development (Freud's Theory of Psycho Sexual Development, Jean Piaget's Theory of Cognitive Development ,Erickson's Theory of Psycho Social Development and Kohlberg's Theory of Moral Development) Role of Heredity and Environment in Developing Individual Differences, Meaning, Concept, Needs and Problems of Gifted Children, Concept and Importance of Creativity in Education. Concept of Inclusive Education.

UNIT -III

COMARATIVE EDUCATION AND TECHNOLOGY OF EDUCATION: Concept, Aims and Scope of Comparative Education, Factors influencing the Educational System, Approaches of Comparative Education (Historical, Philosophical, Sociological), Concept of Universalization and its implication for Indian Education, Primary, Secondary and Higher Education in U.S.A, U.K and India. Concept and Needs of Distance Education.

Meaning, Scope and Components of Educational Technology, Stages of Teaching (Pre-active, Interactive and Post active) , Concept, Principles and Characteristics of Programme Instruction, Flanders Interaction Analysis and Simulation, Concept , Mode and Barriers of Communication. Class room Communication (Interaction, Verbal and Non-verbal)

UNIT -IV

CURRICLUM DEVELOPMENT AND EDUCATIONAL MANAGEMENT:

Meaning of the term Curriculum, differentiating between the Role and Nature of Curriculum Framework, Curriculum and Syllabus, Meaning, Role and Interrelationship between Core Curriculum or Hidden Curriculum, Teaching and Instruction, Text Book and Reference book. Different Approaches to Curriculum Development (Subject Centered, Behaviour Centered, Learner Centered, Competency Based, Environmental and Integrated), Models of Curriculum Development by Franlin Bobbit, Ralph Tyler, Hilda Taba and Philip Jackson.

Meaning, Nature and Scope of Educational Administration, Supervision and Planning. Specific Trends in Educational Management, Organizational Competence and Organizational development, Meaning, Nature and Approaches to Educational Planning, Meaning and Nature of Supervision (Service Activity, Process and Function)



ADVANCES IN PHILOSOPHY OF LAW (SLLA)

Paper Code: PHD-103/SLLA-1
Credits -4

UNIT-I

POSTIVISTIC APPROACH

1. Command Theory: John Austin
2. The Pure Theory of Law: Hans Kelsen
3. Law as Union of Primary and Secondary Rules: H.L.A. Hart

UNIT-II

SOCIOLOGICAL APPROACH

1. Interest Theory: Rudolf von Ihering
2. Sociological Theory of Eugen Ehrlich
3. Theory of Social Engineering: Roscoe Pound

UNIT-III

LAW AND MORALITY

1. Can law be separated from morality?
2. Hart- Dworkin debate on Law and Morality
3. Enforcement of Morality: Issues of Suicide, Homosexuality, and Euthanasia

UNIT-IV

THEORIES OF JUSTICE

1. Utilitarian Theory of justice: Jeremy Bentham
2. Contractarian Theory of Justice: John Rawls
3. The Idea of Justice: Amartya Sen



ADVANCES IN LINGUISTICS (SLA)

Paper Code: PHD-103/SLA-2

Credits -4

Unit –I General & English Phonetics

- A) Phonetics and its Branches; Articulatory Phonetics; Acoustic Phonetics; Auditory Phonetics; Perceptual Phonetics; Applied Phonetics
- B) The Sound System of a Language: Vowels – Definition, Description and Classification
Consonants: Description and Classification
- C) The Sound System of English: English Sounds and Letters; English Vowels and Consonants – Phonemic & Phonetics Details; Allophonic Variations
- D) Language: Definitions, Properties and Functions; Language and Society; Language and Culture

Unit –II Elementary Linguistics

- A) General Linguistics; Definition and the scope of the subject; Historical; Comparative; Descriptive Linguistics; Theoretical and Applied Linguistics
- B) Morphology: The structure of words and morpheme; morph, morpheme and morpheme variants, morphological processes; word formation processes.
- C) Syntax: The study of sentence structure; basic sentence patterns, phrase and clause structure; constituents and constructions; construction types.
- D) Semantics: Definition and scope; Types of word meaning; types of sentence meaning; word meaning relations and sentence meaning relations

Unit –III Language Learning & Teaching

- A) Language Learning Theories: Behaviourism, Cognitivist
- B) Contrastive Analysis Hypothesis Second Language Learning Theories
- C) Language Learning Strategies and Communication Strategies; Communicative Competence; Inter language hypothesis; Error Analysis.
- D) Methods of Language Teaching: Approach, methods and technique; The Grammar Translation Method; Language teaching innovations in the nineteenth century and the Reform Movement; The Direct Method; The Audio-Lingual Method Communicative Language Teaching.

Unit –IV Translation & Adaptation

- A) Adaptation: Theory, Practice and Inter-textually
- B) Translation Studies: Introduction, nature, meaning and function.
- C) Theories of translation; types, process, problems and limitations of translation; translation and transliteration.

Suggested Reading:-

1. Munday, Jeremy. Introducing Translation Studies: Theories and Applications. Routledge, 2008.
2. Catford, J. C. A Linguistic Theory of Translation. London: OUP, 1994.
3. Kreidler, Charles W. (1997). Describing Spoken English: An Introduction. USA & Canada: Routledge.
4. McMahon, April. (2002). An Introduction to English Phonology. Edinburgh: Edinburgh University Press
5. Sethi, J & P. V. Dhamija. (2006). A Course in Phonetics and Spoken English (2nd ed.). New Delhi: Prentice Hall.
6. Crystal, D. (2008), A Dictionary of Linguistics and Phonetics. 6th edn. Oxford: Blackwell.
7. Pullum, G.K. & W.A. Ladusaw (1996), Phonetic Symbol Guide. The University of Chicago Press.
8. Trask, R.L. (1996), A Dictionary of Phonetics and Phonology. London:Routledge.
9. Wells, J.C. (2008), Longman Pronunciation Dictionary. 3rd edn. with CD: Person Education Ltd.



ADVANCES IN ENVIRONMENTAL PROBLEMS AND STRATEGIC MANAGEMENT (SLA)

Paper Code: PHD-103/SLA-3
Credits -4

Department of Geography

Unit I:-Introduction

Meaning and Concept of Environment, Pollution, Types of Pollution and Environmental Degradation; Environmental Quality Indices: Air, Water, Soil, Noise and Solid Waste; Environmental Management: Meaning, Concept and Approaches

Unit II: - Environmental Problems:

Environmental Problems at Global, National and Regional level: Air Pollution and Global Climatic Change, Water Pollution and its Crisis, Land Degradation and Biodiversity, Natural Hazard and Mapping; Human Response and Attitude towards Environmental Problems; Environmental Quality and Health

Unit III: - Environmental Management:

Strategies for Environmental Management, Environmental Monitoring, Environmental Education and People's Participation, Environmental Laws and Role of International Bodies, EIA of Development Schemes: some case studies, National Environmental Policy.

Suggested Readings

1. Anjaneyulu, Y. 2002. Environmental Impact Assessment Methodology, B.S Publications, Hyderabad
2. Blodgett, J. 2000. Environmental Protection: New Approaches, CRS Report, National Council for Science and the Environment
3. Commoner, B. 1988. Rapid Population Growth and Environmental Stress in Developing Countries. Proceedings of the United Nations Expert Group meeting, 23-26th August 1988, United Nations, New York.
4. Copeland, C. 2006. Water Quality: Implementing the Clean Water Act, CRS Report, National Council for Science and the Environment
5. Cruz, W. and Gills, C. 1990. Resource Policy Reform in the Context of Population Pressure in D. Chapman (ed.). Arresting Renewable Resource Degradation in the Third World. World Bank Environment Working Paper No. 44. Washington, DC: the World Bank
6. Hardoy, J. E. et al. 1997. Environmental Problems in Third World Cities, Earthscan Publications limited, London
7. Inhaber, H. et. al. 1976. Environmental Indices, A Wiley-Inter Science Publication
8. Jain, R.K. et.al. 1977. Environmental Impact Analysis A New Dimension in Decision making, Van Nostrand Reinhold Company, New York
9. Khoshoo, T. N. 1981. Environmental Concerns and Strategies, Ashish Publishing House, New Delhi
10. Kumra, V.K. 1982. Kanpur City: A Study in Environmental Pollution, Tara Book Agency, Varanasi
11. Lohani, Bindu N. 1984. Environmental Quality Management, South Asian Publisher, New Delhi
12. Manners Ian R. and Mikesell Marvin W. 1974. Perspectives on Environment, edited by Association of American Geographers
13. Nag, P., Kumra, V.K. and Singh, J. 1997. Geography and Environment: National, Regional and Local Issues (3 Volumes), Concept Publishing Company, New Delhi



ADVANCES IN GEOGRAPHY OF TOURISM AND HERITAGE (SLA)

Paper Code: PHD-103/SLA-4
Credits -4

UNIT I: - INTRODUCTION

Development of the Geography of Tourism and Heritage; Basic concepts: Tourism Studies: Concepts and Principles; Methodologies and Approaches

UNIT II: - GEOGRAPHY OF TOURISM

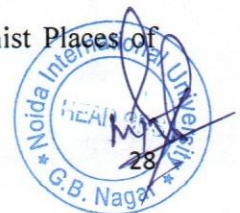
National, Regional and Global scenarios; Alternative tourism and Prospects: Ecotourism, Sustainable tourism, Heritage Tourism; Tourism Management, heritage issues and prospects: policy and planning - global, and national.

UNIT III: - INDIAN SCENARIO

Tourism and Heritage resources, Tourism as industry and economy: national, state and local contexts; Heritage Planning and Master Plan, Varanasi: Heritage Zoning, identification and planning's Types of tourism: domestic, international, local, pilgrimages; Tourism policies, perspectives, and plans.

Suggested Readings

1. Aitchison, Cara; MacLeod, Nicola E. and Shaw, Stephen J. 2000. Leisure and Tourism Landscape: Social and Cultural Geographies. Routledge, London.
2. Ashworth, G.J. and Dietvorst, A.G.J. (eds.) 1995. Tourism and Spatial Transformations: Implications for Policy and Planning. CAB International, Warwick UK.
3. Ateljevic, Irena; Morgan, Nigel and Pritchard, Annette (eds.) 2011. The Critical Turn in Tourism Studies: Creating an Academy of Hope. Routledge, London.
4. Coles, Tim; Duval, David Timothy and Shaw, Gareth 2011. Student's Guide to Writing Dissertations and Theses in Tourism Studies and Related Disciplines. Routledge, London.
5. Collins-Kreiner, Noga 2006. Christian Tourism to the Holy Land: Pilgrimage during Security Crises. Ashgate Publ., Farnham U.K.
7. Gössling, Stefan; Hall, C. Michael and Weaver, David (eds.) 2008. Sustainable Tourism Futures: Perspectives on Systems, Restructuring and Innovations. Routledge, London.
8. Hall, C. M. and Page, S.J. 2008. The Geography of Tourism and Recreation: Environment, Place and Space. Routledge, London. 4th Ed.
9. Henderson, Carol and Weisgrau, Maxine (eds.) 2007. Raj Rhapsodies: Tourism, Heritage and Seduction of History. Ashgate Publ., Farnham U.K.
10. Higham, James 2007. Critical Issues in Ecotourism: understanding a complex tourism phenomenon. Butterworth-Heinemann, Oxford.
11. Honey, Martha 2008. Ecotourism and Sustainable Development. Island Press, Seattle.
12. Jamal, Tazim and Robinson, Mike (eds.) 2009. The SAGE Handbook of Tourism Studies. Sage, London.
13. Pearce, Douglas and Butler, Richard W. (eds.) 1999. Contemporary Issues in Tourism Development. Routledge, London.
14. Raj, Razaq and Morpeth, Nigel D. (eds.) 2007. Religious Tourism and Pilgrimage Festivals Management: An International Perspective. CABI, London.
15. Singh, Rana P.B. 2009. Banaras, Making of India's Heritage City. Cambridge Scholars Publishing, Newcastle upon Tyne UK.
16. Singh, Rana P.B. 2009. Where the Buddha Walked. A Companion to the Buddhist Places of India. Indica Books, Varanasi. 2nd Ed.



ADVANCES IN REMOTE SENSING & GIS AS TOOLS IN GEOGRAPHICAL RESEARCH(SLA)

Paper Code: PHD-103/SLA-5

Credits -4

UNIT I: - INTRODUCTION

Nature of Geographical Data; Conventional methods of geographical data collection vis-à-vis remote sensing and GIS; Some aspects of geodesy of earth and their implications in GIS; Spectra of common natural objects; Mechanism of remote sensing data acquisition.

UNIT II: - MODELS OF GEOGRAPHIC DATA REPRESENTATION IN GIS

Spatial Data quality and error analysis; Conceptual and Logical Data Modelling; Some important characteristics of Remote Sensing Data; Nature of image patterns and their interpretation.

UNIT III: - DEM AND DERIVATIVES

GIS as spatial decision support system; Information extraction procedures from remote sensing data - manual and digital; Application of remote sensing and GIS in Land use, hydro-geomorphologic and integrated rural and urban development studies.

Suggested Readings

1. Burrough, P.A. and McDonnell, R. 1998. Principles of Geographic Information Systems. Oxford University Press, Oxford.
2. Campell, J. B. 2003. Introduction to Remote Sensing. 4th ed. Taylor and Francis, London.
3. Chang, K.T. 2003. Introduction to Geographic Information Systems. Tata McGraw Hill Publications Company, New Delhi.
4. Chauniyal, D. D. 2004. Remote Sensing and Geographic Information Systems. in Hindi). Sharda Pustak Bhawan, Allahabad.
5. Demers, M. N. 2000. Fundamentals of Geographic Information Systems. John Wiley and Sons, Singapore.
6. Gautam, N.C. and Raghavswamy, V. 2004. Land Use/ Land Cover and Management Practices in India. B.S. Publications., Hyderabad.
7. Girard, M. C. and Girard, C. M. 2003. Processing of Remote Sensing Data. Oxford and IBH, New Delhi.
8. Goodchild, M.F., Park, B. O. and Steyaert, L. T. (eds.) 1993. Environmental Modelling with GIS. Oxford University Press, Oxford.
9. Heywood, I. 2003. An Introduction to Geographical Information Systems. 2nd edition, Pearson Publishing Company, Singapore.
10. Jensen, J.R. 1986. Introductory Digital Image Processing: A Remote Sensing Perspective. Prentice-Hall, Englewood Cliffs, New Jersey.
11. Jensen, J.R. 2004. Remote Sensing of the Environment: An Earth Resource Perspective. Prentice-Hall, Englewood Cliffs, New Jersey. Indian reprint available.
12. Lillesand, T.M. and Kiefer, R.W. 2000. Remote Sensing and Image Interpretation. John Wiley and Sons, New York.
13. Lo, C.P. and Yeung, A. K. W. 2002. Concepts and Techniques of Geographic Information Systems. Prentice Hall of India, New Delhi.
14. Longley, P., Goodchild, M.F., Maguire, D. and Rhind, D. 1999. Geographic Information Systems. Principles, Techniques, Management, Applications. John Wiley and Sons, New York.



ADVANCES IN CULTURE AND WORLD POLITICS(SLA)

Paper Code: PHD-103/SLA-6

Credits -4

UNIT I: DEBATING CULTURE IN IR

It serves as an introduction to the field of culture studies in IR. It offers insights into competing approaches to culture by exploring the motivations and political contexts that informed such theorisations.

- 1: Understanding culture
- 2: Culture and International Relations
- 3: Strategic culture
- 4: Culture as 'soft power'

UNIT 2.: CULTURAL INTERPRETATIONS OF WORLD POLITICS- I

It is an enquiry into the cultural expressions of significant 'political' projects and trends of the 19th and 20th centuries. It invites students to explore the cultural hegemony of imperialism, the significance of intercultural communication and the role of the diaspora that mediates between two worlds.

- 1: Imperialism
- 2: The politics of pluralism
- 3: Role of the diaspora

UNIT 3.: CULTURAL INTERPRETATIONS OF WORLD POLITICS- II

It is a critical assessment of some of the more recent political developments. It examines the debate over the homogenising force that globalisation is seen as representing and the role of media in a globalising world. It further explores the return of cultural knowledge to the centre stage of international politics.

- 1: Assessing globalization
- 2: The return of cultural knowledge

UNIT 4.

It further explores the return of cultural knowledge to the centre stage of international politics.

- 1: Role of popular culture Week
- 2: The Politics of Display
- 3: Cultural Pasts and Present in South Asia

Reading Suggestions:

During, Simon (2005), Cultural Studies: A Critical Introduction, Abingdon: Routledge

Reeves, Julie (2004), Culture and International Relations: Narratives, Natives and Tourists, London: Routledge.

Darby, Phillip (1998), 'The Exclusions of Politics', The Fiction of Imperialism: Reading between International Relations and Post colonialism, London: Cassell.

Lebow, Richard Ned (2008), A Cultural Theory of International Relations, Cambridge: Cambridge University Press.

Jahn, Beate (2000), The Cultural Construction of International Relations: The Invention of the State of Nature, Hampshire: Palgrave.

Johnston, Alastair Iain (1995), Cultural Realism: Strategic Culture and Grand Strategy in Chinese History, Princeton: Princeton University Press.



ADVANCES IN HUMAN RIGHTS (SLA)

Paper Code: PHD-103/SLA-8

Credits -4

UNIT I: INTRODUCTION

- Meaning and Concept of Human Rights
- Theoretical Foundation of Human Rights - Natural Law and Natural Rights
- History and Development of Human Rights: Ancient – Medieval – 17th & 18th Century – 19th & 20th Century – Modern Developments
- Generations of Human Rights - Civil and Political Rights -Economic, Social and Cultural Rights - Solidarity Rights

United Nations and Human Rights

- UN Charter
- United Nations Commission on Human Rights (Human Rights Council)
- Sub commission on Prevention of Discrimination and Protection of Minorities
- Commission on Status of Women
- UN Centre for Human Rights & UN Commissioner for Human Rights
- Office of UN High Commissioner for Human Rights
- UN High Commissioner for Refugees
- Role of UN in Protection and Promotion of Human Rights

International Human Rights Instruments

- International Bill of Human Rights
- Universal Declaration of Human Rights, 1948 – Influence – Legal Significance
- International Covenant on Civil and Political Rights, 1966
- First Optional Protocol
- Second Optional Protocol to ICCPR
- International Covenant on Economic, Social and Cultural Rights, 1966
- Optional Protocols to ICESCR

UNIT II: IMPLEMENTATION OF HUMAN RIGHTS

- UN Commission on Human Rights (Human Rights Council)
- The Human Rights Committee (CCPR) under ICCPR
- The Committee on Economic, Social and Cultural Rights (CESCR) under ICESCR
- Treaty Bodies and Other Bodies

Regional System for Protection of Human Rights

- The European Convention on Human Rights, 1950
- The American Convention on Human Rights, 1969
- African Charter on Human and Peoples Rights, 1981
- Arab Charter, 2004
- Asian Human Rights Charter, 1998

Human Rights of Vulnerable Groups

- Women, Children, Minorities, Disabled person

UNIT III: HUMAN RIGHTS IN INDIA

- Rights under Indian Constitution
- Application of International Human Rights Law in India
- Role of Indian Judiciary
- The Protection of Human Rights Act, 1993
- Establishment, Powers and Functions of NHRC - Role of NHRC

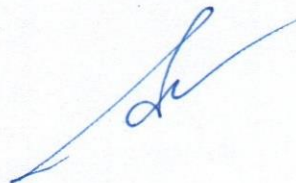
UNIT IV: CONTEMPORARY CHALLENGES TO HUMAN RIGHTS

- Science and Technology
- Terrorism



References

1. Alston, Phillip, The United Nations and Human Rights, Clarendon Press, London (1995).
2. Bajwa, G.S. and D.K. Bajwa, Human Rights in India: Implementation and Violations, D.K. Publishers, New Delhi (1996).
3. Basu, D.D., Human Rights in Constitutional Law, Prentice Hall, New Delhi (1994).
4. Sehgal, B.P.Singh, ed., Human Rights in India: Problems and Perspectives, Deep and Deep Publications, New Delhi (1999).
5. S.K.Avesti and R.P.Kataria, Law Relating to Human Rights, Orient Publications, New Delhi (2000)
6. SK Kapoor, Human Rights under International and Indian Law, Central Law Agency, Allahabad, (1999)
7. HO Agarwal, Human Rights, Central Law Publications, Allahabad, (12th Edn. - 2012)
8. Justice Palok Basu, Law Relating to Protection of Human Rights, Modern Law Publications, Allahabad (2002).
9. Sircar, V.K., Protection of Human Right in India, Asia Law House, Hyderabad (2004-05.)
10. Symmonides, J., Human Right: International Protection, Monitoring and Enforcement, Rawat publications, New Delhi (2005)
11. Mamata Rao, Law Relating to Woman and Children, Eastern Book Co., Lucknow (2008)
12. G B Reddy, Woman and the Law, Gogia Law Agency, Hyderabad (2001)
13. SC Tripathi, Law Relating to Woman and Children, Central Law Publishers, Allahabad, (2001)
14. Paramjit S. Jaswal, Nishtha Jaswal, Human Rights and the Law, APH Publishing, New Delhi (1996)



ADVANCES IN CONSTITUTIONAL LAW (SLA)

Paper Code: PHD-103/SLA-9

Credits -4

Unit 1. Introductory : Salient feature of the constitution; Nature of India Federalism : Preamble, Citizenship & State; Fundamental rights, directives principles and fundamental duties.

Unit 2. Union and State Executive : President, Governor- Election, appointment, powers, position, council of ministers, Prime Minister, Parliamentary system of Government Union and State Legislative; Lok Sabha, Rajya Sabha, Vidhan Sabha & Vidhan Parishad - Composition; Speaker, Chairman, Privileges, Legislative procedure.

Union : State Judiciary - Supreme Court & High Court, Composition & Powers, Writs. Union - State Legislative Relationship – Distribution of Legislative Powers; Administrative & Financial Relationship

Unit 3. Services under the union and the state; constitutional protection of civil servants; Public Service Commission of the Union & States. Article 300-A - Property Rights : Freedom of trade, Commerce and Inter-course; State Liability in contracts and torts, Suits by and against the State.

Unit 4. Emergency provision - National, State and Financial. (b) Amendment of the Constitution – Constitutionality of ordinary law and amendment laws, Judicial review of amendment and the doctrine of basic structure - Major amendments and their constitutional values



ADVANCES IN POLITICAL THEORY AND INDIAN POLITICS (SLA)

Paper Code: PHD-103/SLA-10
Credits -4

Unit 1. Political theory meaning and approaches

Theories of the state: Liberal, Neoliberal, Marxist, Pluralist, Post-colonial and feminist.

Unit 2. Justice: Conceptions of justice with special reference to Rawl's theory of justice and its communitarian critiques.

Equality: Social, political and economic; relationship between equality and freedom; Affirmative action.

Unit 3. Rights: Meaning and theories; different kinds of rights; concept of Human Rights.

Democracy: Classical and contemporary theories; different models of democracy - representative, participatory and deliberative. Concept of power, hegemony, ideology and legitimacy.

Political Ideologies: Liberalism, Socialism, Marxism, Fascism, Gandhism and Feminism.

Indian Political Thought: Dharamshastra, Arthashastra and Buddhist traditions; Sir Syed Ahmed Khan, Sri Aurobindo, M.K. Gandhi, B.R. Ambedkar, M.N. Roy.

Unit 4. Western Political Thought: Plato, Aristotle, Machiavelli, Hobbes, Locke, John, S. Mill, Marx, Gramsci, Hannah Arendt.



**ADVANCES IN COMPARATIVE POLITICS AND
INTERNATIONAL RELATIONS (SLA)**

Paper Code: PHD-103/SLA-12

Credits -4

1. Comparative Politics: Nature and major approaches; political economy and political sociology perspectives; limitations of the comparative method.
2. State in comparative perspective: Characteristics and changing nature of the State in capitalist and socialist economies, and, advanced industrial and developing societies.
3. Politics of Representation and Participation: Political parties, pressure groups and social movements in advanced industrial and developing societies.
4. Globalisation: Responses from developed and developing societies.
5. Approaches to the Study of International Relations: Idealist, Realist, Marxist, Functionalist and
6. Systems theory.
7. Key concepts in International Relations: National interest, Security and power; Balance of power and deterrence; Transnational actors and collective security; World capitalist economy and globalisation.
8. Changing International Political Order:
9. Rise of super powers; strategic and ideological Bipolarity, arms race and Cold War; nuclear threat;
10. Non-aligned movement: Aims and achievements; Collapse of the Soviet Union; Unipolarity and American hegemony; relevance of non-alignment in the contemporary world.
11. Evolution of the International Economic System: From Bretton woods to WTO; Socialist economies and the CMEA (Council for Mutual Economic Assistance); Third World demand for new international economic order; Globalisation of the world economy.
12. United Nations: Envisaged role and actual record; specialized UN agencies-aims and functioning; need for UN reforms.
13. Regionalisation of World Politics: EU, ASEAN, APEC, SAARC, NAFTA.
14. Contemporary Global Concerns: Democracy, human rights, environment, gender justice, terrorism, nuclear proliferation.



ADVANCES IN WESTERN POLITICAL THOUGHT(SLA)

Paper Code: PHD-103/SLA-14

Credits -4

The course gives an introduction to Political Thought processes and Theory making in the West. From the Greek Political thinkers to down the ages including Utilitarian, this course introduces the student to the richness and variations in the political perceptions of Western Thinkers. It provides a foundation to the Scholars of Political Science in familiarizing themselves to the Thought & Theory of Western Philosophy.

It particularly focuses on the evolution of idea and institution of State in the West. It covers ancient, medieval and early modern thinkers.

Unit I: Introduction to Political Thought Differences between Political Thought – Political Philosophy and Political Theory Interpretative Theory

Unit II: Greek Political Thought Plato – Justice and Ideal State. Aristotle – Theory of Form and Theory of State.

Unit III: Beginnings of Modern Political Thought Church – State Controversy. Renaissance and Humanism. Machiavelli. Unit IV- Social Contract Theory Hobbes – Individualism and Absolutism. Locke – Natural Rights and Property. Rousseau – General Will and Popular Democracy.

Unit IV: Utilitarianism Bentham – Utilitarianism. J. S. Mill – On Liberty.

Suggested Readings:

1. Alan Ryan (1974) J. S. Mill, New York: Routledge & Kegan Paul.
2. Aristotle (1992) Politics, New York: Penguin.
3. Bertrand Russell (1972) History of Western Political Philosophy, New York: Simon & Schuster, INC.
4. C. B. Macpherson (2011) Political Theory of Possessive Individualism: Hobbes to Locke, New York: Oxford University Press.
5. Ellen Meiksins Wood & Neal Wood (1978) Class ideology and ancient political theory, New York: Oxford.
6. G. H. Sabine (1973) A History of Political Theory, Delhi, Oxford and IBH Publishing Co. First published in 1937 New York: Henry Holt.
7. Karl Popper (2003) Open Society and Its Enemies (Vol. I: The Spell of Plato & Vol. II: Hegel and Marx) New York: Routledge Classics. KP.
8. Niccolo Machiavelli (2011) The Prince, New York: Penguin Books.
9. Plato (2009) The Republic, New York: Penguin.



TIME-TABLE (ACADEMIC SESSION 2021-2022)

CENTRE FOR RESEARCH STUDIES, NIU

COURSE WORK CLASSES (Ph.D./PROGRAMME)

Day	9:30-10:25	10:25-11:20	11:20-12:15	12:15-1:10	1:10-1:45	1:45-2:40	2:40-3:35	3:35-4:30
MONDAY								
TUESDAY	PAPER-I- RESEARCH METHODOLOGY & TRAINING (Dr. Tanveer Ahmad Wani)		PAPER III - SUBJECT SPECIALIZATION * (Respective School)	PAPER III - SUBJECT SPECIALIZATION * (Respective School)	L U N C H	PAPER-II-COMPUTER APPLICATIONS IN RESEARCH (DR. SURYAKANT YADAV)		RESEARCH AND PUBLICATION ETHICS (Dr. Tanveer Ahmad Wani)
WEDNESDAY								
THURSDAY								
FRIDAY	PAPER-I- RESEARCH METHODOLOGY & TRAINING (Dr. Tanveer Ahmad Wani)		PAPER III - SUBJECT SPECIALIZATION * (Respective School)	PAPER III - SUBJECT SPECIALIZATION * (Respective School)		PAPER-II-COMPUTER APPLICATIONS IN RESEARCH (DR. SURYAKANT YADAV)		RESEARCH AND PUBLICATION ETHICS (Dr. Tanveer Ahmad Wani)

*Kindly Contact the concerned department for venue

S.No.	SUBJECT CODE	SUBJECT	FACULTY	CREDIT
1	PHD-101	RESEARCH METHODOLOGY AND TRAINING	Dr. Tanveer Ahmed Wani	4
2	PHD-102	COMPUTER APPLICATIONS IN RESEARCH	Dr. Suryakant Yadav	4
3	PHD-104	RESEARCH AND PUBLICATION ETHICS	Dr. Tanveer Ahmed Wani	2
4	PHD-103	Respective Schools		4



LIST OF SUPERVISOR

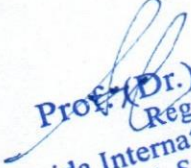
S. NO.	NAME OF FACULTY (ELIGIBLE SUPERVISOR)	DESIGNATION	CONTACT NO.	EMAIL ID	DEPARTMENT
1	Dr.A.Geetha Bhavani	Professor	8826699428	geetha.bhavani@niu.edu.in	Chemistry
2	Dr.Abhilekha Sharma	Associate Professor	8800033320	abhilekha.sharma@niu.edu.in	Chemistry
3	Dr.Arshi Amin	Associate Professor	8010358136	arshi.amin@niu.edu.in	Chemistry
4	Dr.Tanveer Wani	Associate Professor	9981670354	tanveer.wani@niu.edu.in	Physics
5	Dr. Deepak Bhardwaj	Professor	9410619102	deepak.bhardwaj@niu.edu.in	Mathematics
6	Dr. Chetan Kumar Sharma	Associate Professor	9760445152	chetan.sharma@niu.edu.in	Mathematics
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8	Dr. Varun Kumar Sharma	Assistant Professor	9871250661	varun1.sharma@niu.edu.in	Biotechnology & Microbiology
9	Dr. Namrata Dudha	Assistant Professor	9810108199	namrata.dudha@niu.edu.in	Biotechnology & Microbiology
10	Dr. Kashish Gupta	Assistant Professor	7081762557	kashish.gupta@niu.edu.in	Biotechnology & Microbiology
11	Dr. Garima Sharma	Assistant Professor	8527866587	garima.sharma@niu.edu.in	Biotechnology & Microbiology
12	Dr. Afsana Parveen	Assistant Professor	9582838729	afsana.parveen@niu.edu.in	Biotechnology & Microbiology
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15	Dr Shailesh Solanki	Associate Professor	9560532077	shailesh.solanki@niu.edu.in	Agriculture
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22	Dr. Shiv Kumar	Associate Professor	9654415590	hod.sbm@niu.edu.in	Management
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30	DR. SUJATA ARORA	Associate Professor	9971868500	sujata.arora@niu.edu.in	Electrical
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39	Dr Bhavana	Associate Professor	987194237	bhawna.arora@niu.edu.in	Law & Legal Affairs
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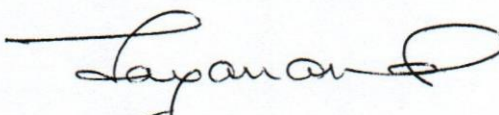

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POLICY FOR PREVENTION OF PLAGIARISM

1. This policy shall be called the "Prevention of Plagiarism" in Noida International University.
2. This policy shall apply to the students, faculty, researchers and staff of Noida International University.
3. This policy shall come into force from the date of approval by Board of management of the Noida International University
4. **Definitions -**
In these regulations, unless the context otherwise requires—
 - a. "Academic Integrity" is the intellectual honesty in proposing, performing and reporting any activity, which leads to the creation of intellectual property;
 - b. "Author" includes a student or a faculty or a researcher or staff of Noida International University who claims to be the creator of the work under consideration;
 - c. "Commission" means the University Grants Commission as defined in the University Grants Commission Act, 1956;
 - d. "Common Knowledge" means a well-known fact, quote, figure or information that is known to most of the people;
 - e. "Degree" means any such degree specified by the University Grants Commission, by notification in the Official Gazette, under section 22 of the University Grants Commission Act, 1956;
 - f. "Departmental Academic Integrity Panel" shall mean the body constituted at the departmental level to investigate allegations of plagiarism;
 - g. "Faculty" refers to a person who is teaching and/or guiding students enrolled at Noida International University in any capacity whatsoever i.e. regular, ad-hoc, guest, temporary, visiting etc;
 - h. "Information" includes data, message, text, images, sound, voice, codes, computer programs, software and databases or microfilm or computer generated microfiche;
 - i. "Institutional Academic Integrity Panel" shall mean the body constituted at Noida International University to consider recommendations of the departmental academic integrity panel and take appropriate decisions in respect of allegations of plagiarism and decide on penalties to be imposed. In exceptional cases, it shall investigate allegations of plagiarism at the institutional level;
 - j. "Plagiarism" means the practice of taking someone else's work or idea and passing them as one's own.


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- k. "Programme" means a programme of study leading to the award of a masters and research level degree;
- l. "Researcher" refers to a person conducting academic / scientific research in Noida International University.
- m. "Script" includes research paper, thesis, dissertation, chapters in books, full-fledged books and any other similar work, submitted for assessment / opinion leading to the award of master and research level degrees or publication in print or electronic media by students or faculty or researcher or staff of Noida International University; however, this shall exclude assignments / term papers / project reports / course work / essays and answer scripts etc.;
- n. "Source" means the published primary and secondary material from any source whatsoever and includes written information and opinions gained directly from other people, including eminent scholars, public figures and practitioners in any form whatsoever as also data and information in the electronic form be it audio, video, image or text; Information being given the same meaning as defined under Section 2 (1) (v) of the Information Technology Act, 2000 and reproduced here in Regulation 2 (l);
- o. "Staff" refers to all non-teaching staff working in Noida International University in any capacity whatsoever i.e. regular, temporary, contractual, outsourced etc.;
- p. "Student" means a person duly admitted and pursuing a programme of study including a research programme in any mode of study (full time or part-time or distance mode);
- q. "University" means a university established or incorporated by or under a Central Act, a Provincial Act or a State Act, and includes an institution deemed to be university under section 3 of the UGC Act, 1956;
- r. "Year" means the academic session in which a proven offence has been committed.

Words and expressions used and not defined in these regulations but defined in the University Grants Commission Act, 1956 shall have the meanings respectively assigned to them in UGC Act, 1956.

5. Objectives

5.1 To create awareness about responsible conduct of research, thesis, dissertation, promotion of academic integrity and prevention of misconduct including plagiarism in academic writing among student, faculty, researcher and staff.

5.2 To establish institutional mechanism through education and training to facilitate responsible conduct of research, thesis, dissertation, promotion of academic integrity and deterrence from plagiarism.

5.3. To develop systems to detect plagiarism and to set up mechanisms to prevent plagiarism and punish a student, faculty, researcher or staff of Noida International University committing the act of plagiarism.

6. Duties of Noida International University:

NIU has established the mechanism as prescribed in this policy, to enhance awareness about responsible conduct of research and academic activities, to promote academic integrity and to prevent plagiarism.

7. Awareness Programs and Trainings:

(a) Noida International University shall instruct students, faculty, researcher and staff about proper attribution, seeking permission of the author wherever necessary, acknowledgement of source compatible with the needs and specificities of disciplines and in accordance with rules, international conventions and regulations governing the source.

(b) Noida International University shall conduct sensitization seminars/ awareness programs every semester on responsible conduct of research, thesis, dissertation, promotion of academic integrity and ethics in education for students, faculty, researcher and staff.

(c) Noida International University shall :

i. Include the cardinal principles of academic integrity in the curricula of Undergraduate (UG)/Postgraduate (PG)/Master's degree etc. as a compulsory course work/module.

ii. Include elements of responsible conduct of research and publication ethics as a compulsory course work/module for Masters and Research Scholars.

iii. Include elements of responsible conduct of research and publication ethics in Orientation and Refresher Courses organized for faculty and staff members of the Noida International University.

iv. Train student, faculty, researcher and staff for using plagiarism detection tools and reference management tools.

v. Establish facility equipped with modern technologies for detection of plagiarism.

vi. Encourage student, faculty, researcher and staff to register on international researcher's Registry systems.

8. Curbing Plagiarism

a) Noida International University shall declare and implement the technology based mechanism using appropriate software so as to ensure that documents such as thesis, dissertation, publications or any other such documents are free of plagiarism at the time of their submission.

b) The mechanism as defined at (a) above shall be made accessible to all engaged in research work including student, faculty, researcher and staff etc.

- c) Every student submitting a thesis, dissertation, or any other such documents to the Noida International University shall submit an undertaking indicating that the document has been prepared by him or her and that the document is his/her original work and free of any plagiarism.
- d) The undertaking shall include the fact that the document has been duly checked through a Plagiarism detection tool approved by the Noida International University.
- e) Each supervisor shall submit a certificate indicating that the work done by the researcher under him / her is plagiarism free.
- f) Noida International University shall submit to INFLIBNET soft copies of all Masters, Research program's dissertations and thesis within a month after the award of degrees for hosting in the digital repository under the "Shodh Ganga e-repository".

9. Institutional Repository

Noida International University shall create Institutional Repository on institute website which shall include dissertation / thesis / paper / publication and other in-house publications. Similarity checks for exclusion from Plagiarism

The similarity checks for plagiarism shall exclude the following:

- i. All quoted work reproduced with all necessary permission and/or attribution.
- ii. All references, bibliography, table of content, preface and acknowledgements.
- iii. All generic terms, laws, standard symbols and standards equations.

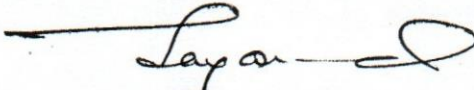
Note:

The research work carried out by the student, faculty, researcher and staff shall be based on original ideas, which shall include abstract, summary, hypothesis, observations, results, conclusions and recommendations only and shall not have any similarities. It shall exclude a common knowledge or coincidental terms, up to fourteen (14) consecutive words.

10. Levels of Plagiarism

Plagiarism would be quantified into following levels in ascending order of severity for the purpose of its definition:

- i. Level 0: Similarities upto 10% - Minor similarities, no penalty
- ii. Level 1: Similarities above 10% to 40%
- iii. Level 2: Similarities above 40% to 60%
- iv. Level 3: Similarities above 60%


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11. **Detection/Reporting/Handling of Plagiarism**

If any member of the academic community suspects with appropriate proof that a case of plagiarism has happened in any document, he or she shall report it to the Departmental Academic Integrity Panel (DAIP). Upon receipt of such a complaint or allegation the DAIP shall investigate the matter and submit its recommendations to the Institutional Academic Integrity Panel (IAIP) of the Noida International University.

The authorities of Noida International University can also take suo motu notice of an act of plagiarism and initiate proceedings under these regulations. Similarly, proceedings can also be initiated by the Noida International University on the basis of findings of an examiner. All such cases will be investigated by the IAIP.

12. **Departmental Academic Integrity Panel (DAIP)**

- i. All Departments in Noida International University shall notify a DAIP whose composition shall be as given below:
 - a. Chairman - Head of the Department
 - b. Member - Senior academician from outside the department, to be nominated by the Head of Noida International University.
 - c. Member - A person well versed with anti plagiarism tools, to be nominated by the Head of the Department.

The tenure of the members in respect of points 'b' and 'c' shall be two years. The quorum for the meetings shall be 2 out of 3 members (including Chairman).

- ii. The DAIP shall follow the principles of natural justice while deciding about the allegation of plagiarism against the student, faculty, researcher and staff.
- iii. The DAIP shall have the power to assess the level of plagiarism and recommend penalty(ies) accordingly.
- iv. The DAIP after investigation shall submit its report with the recommendation on penalties to be imposed to the IAIP within a period of 45 days from the date of receipt of complaint / initiation of the proceedings.

13. **Institutional Academic Integrity Panel (IAIP)**

- i. Noida International University shall notify a IAIP whose composition shall be as given below:
 - a. Chairman - Pro-VC/Dean/Senior Academician of the NIU.
 - b. Member - Senior Academician other than Chairman, to be nominated by the Head of NIU.
 - c. Member - One member nominated by the Head of NIU from outside the HEI

- d. Member - A person well versed with anti-plagiarism tools, to be nominated by the Head of the NIU. The Chairman of DAIP and IAIP shall not be the same. The tenure of the Committee members including Chairman shall be three years. The quorum for the meetings shall be 3 out of 4 members (including Chairman).
- ii. The IAIP shall consider the recommendations of DAIP.
- iii. The IAIP shall also investigate cases of plagiarism as per the provisions mentioned in these regulations.
- iv. The IAIP shall follow the principles of natural justice while deciding about the allegation of plagiarism against the student, faculty, researcher and staff of Noida International University.
- v. The IAIP shall have the power to review the recommendations of DAIP including penalties with due justification.
- vi. The IAIP shall send the report after investigation and the recommendation on penalties to be imposed to the Head of the Noida International University within a period of 45 days from the date of receipt of recommendation of DAIP/ complaint / initiation of the proceedings.
- vii. The IAIP shall provide a copy of the report to the person(s) against whom inquiry report is submitted.

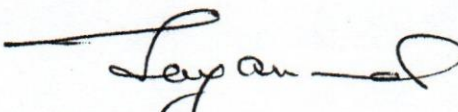
14. **Penalties**

Penalties in the cases of plagiarism shall be imposed on students pursuing studies at the level of Masters and Research programs and on researcher, faculty & staff of the Noida International University only after academic misconduct on the part of the individual has been established without doubt, when all avenues of appeal have been exhausted and individual in question has been provided enough opportunity to defend himself or herself in a fair or transparent manner.

14.1 Penalties in case of plagiarism in submission of thesis and dissertations

Institutional Academic Integrity Panel (IAIP) shall impose penalty considering the severity of the Plagiarism.

- i. Level 0: Similarities upto 10% - Minor Similarities, no penalty.
- ii. Level 1: Similarities above 10% to 40% - Such student shall be asked to submit a revised script within a stipulated time period not exceeding 6 months.
- iii. Level 2: Similarities above 40% to 60% - Such student shall be debarred from submitting a revised script for a period of one year.
- iv. Level 3: Similarities above 60% -Such student registration for that programme shall be cancelled.


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Note 1: Penalty on repeated plagiarism- Such student shall be punished for the plagiarism of one level higher than the previous level committed by him/her. In case where plagiarism of highest level is committed then the punishment for the same shall be operative.

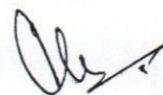
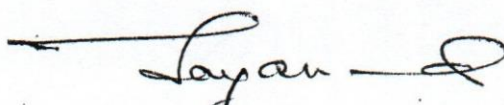
Note 2: Penalty in case where the degree/credit has already been obtained - If plagiarism is proved on a date later than the date of award of degree or credit as the case may be then his/her degree or credit shall be put in abeyance for a period recommended by the IAIP and approved by the Head of the Institution.

14.2 Penalties in case of plagiarism in academic and research publications

- I. Level 0: Similarities up to 10% - Minor similarities, no penalty.
- II. Level 1: Similarities above 10% to 40%
 - i) Shall be asked to withdraw manuscript.
- III. Level 2: Similarities above 40% to 60%
 - i) Shall be asked to withdraw manuscript.
 - ii) Shall be denied a right to one annual increment.
 - iii) Shall not be allowed to be a supervisor to any new Master's, M.Phil., Ph.D. Student/scholar for a period of two years.
- IV. Level 3: Similarities above 60%
 - i) Shall be asked to withdraw manuscript.
 - ii) Shall be denied a right to two successive annual increments.
 - iii) Shall not be allowed to be a supervisor to any new Master's, M.Phil., Ph.D. Student/scholar for a period of three years.

Note 1: Penalty on repeated plagiarism - Shall be asked to withdraw manuscript and shall be punished for the plagiarism of one level higher than the lower level committed by him/her. In case where plagiarism of highest level is committed then the punishment for the same shall be operative. In case level 3 offence is repeated then the disciplinary action including suspension/termination as per service rules shall be taken by the Noida International University.

Note 2: Penalty in case where the benefit or credit has already been obtained - If plagiarism is proved on a date later than the date of benefit or credit obtained as the case may be then his/her benefit or credit shall be put in abeyance for a period recommended by IAIP and approved by the Head, Noida International University.



Note 3: Noida International University shall create a mechanism so as to ensure that each of the paper publication/thesis/dissertation by the student, faculty, researcher or staff of the NIU is checked for plagiarism at the time of forwarding/submission.

Note 4: If there is any complaint of plagiarism against the Head of Noida International University, a suitable action, in line with these regulations, shall be taken by the Controlling Authority of the NIU.

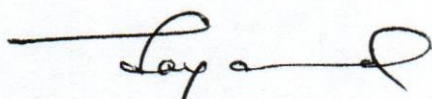
Note 5: If there is any complaint of plagiarism against the Head of Department/Authorities at the institutional level, a suitable action, in line with these regulations, shall be recommended by the IAIP and approved by the Competent Authority.

Note 6: If there is any complaint of plagiarism against any member of DAIP or IAIP, then such member shall excuse himself / herself from the meeting(s) where his/her case is being discussed/investigated.

15. Removal of Difficulty

Noida International University reserves the right to remove difficulty/difficulties in the course of implementations of these Regulations.

Note: The policy framed is in line with the provisions stated under UGC Regulation 2018 for Plagiarism, therefore, it may change with amendments in UGC Regulation.



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