

- X.1** An applicant admitted to an M.Phil. / Ph.D. programme in any of the faculties, shall be required to undertake course work for a minimum period of one semester. The course work shall *inter alia* include a course on research methodology and special skills (which may include quantitative methods, computer applications, statistical methods, mathematical and computational techniques etc.) and reviewing of published research work in the relevant field. The candidate shall also be required to pursue at least two other courses of advanced level related to the discipline or the area of research, as may be advised by the Supervisors of the candidate in view of his/her proposed research work and approved by the Vice-Chancellor on the recommendation of RAC. Such courses may be from the same Faculty/Discipline where the candidate is enrolled or from other Faculties/ Disciplines depending upon the skills required for the proposed research work. The Credit assignment of these courses will be as given below:

First Semester:

1) Research Methodology and Special Skills	4 Credits
2) Review of Published Research Work	4 Credits
3) Advance Study Paper-I	4 Credits
4) Advance Study Paper-II	4 Credits
Total	16 Credits

Each course will carry 100 marks.

- X.2** The Departments in a faculty shall develop together several modules of the course on 'Research Methodology and Special Skills' depending on special types of skills required for research in different disciplines in the faculty. In addition to the basic principles of Research Methodology, the course may include topics related to skills like quantitative methods, computer applications, statistical methods, mathematical and computational skills etc., as per the needs of the research areas in which M.Phil. / Ph.D. programmes are offered by different disciplines in the faculty. A candidate will choose one of the modules with the advice of his/her supervisor(s) and approval accorded by the Vice-Chancellor on the recommendation of RAC. The syllabi of the courses / modules so developed shall be reviewed and updated from time to time by the DRCs/SRCs in the faculty and approved by the Vice-Chancellor. It will be a 4 credit course and shall be divided in to 5 units.

- X.3** The courses based on advance studies in the discipline or area of research, relevant to the proposed research work of a candidate, shall be prescribed by the respective RAC on the recommendation of the Research Supervisor(s). The courses offered for an M.Phil. / Ph.D. programme may be lecture, laboratory, project or self-study courses. Each of these courses shall be of post graduate or higher level. It will be a 4 credit course and each theory paper shall be divided in to 5 units. A Department with the approval of DRC/SRC in the subject may prescribe a pool of such courses, keeping in view the areas of research of the supervisors in the discipline. The candidate may choose required number of courses from such a pool with the advice of his/her Research Supervisor(s). For Self Study Courses regular counseling sessions may be given to the candidate by his/her Research Supervisor/Co-Supervisor or any other teacher authorized by the Vice-Chancellor on the recommendation of the Research Supervisor(s). In case of Post graduate level courses in the same subject or from a different discipline (in case of interdisciplinary research), the candidate may be required to take such courses along with the postgraduate classes in the same subject or different disciplines, as the case may be. However, a laboratory course/project/seminar will invariably be conducted under the supervision of the Supervisor/Co-Supervisor.

If the Supervisor(s) consider that the knowledge of a particular language is necessary for doing research, it shall be prescribed in the course work.



**Minutes of the Thirteenth BOS Meeting in Dept. of Biotechnology
held on 19 February, 2019 at 11.00 a.m. in ICG Campus**

The following members were present:

1.	Prof. Pradeep Bhatnagar Dean, Faculty of Science, IIS (deemed to be University), Jaipur	Chairperson
2.	Prof. Indu Shekhar Thakur Professor, School of Environmental Sciences, Jawaharlal Nehru University, New Delhi	External Member (Academician)
3.	Dr. Ajay Tilawat Senior Scientific Officer, RPA, Nehru Nagar, Jaipur	External Member (Industry Expert)
4.	Dr. Nidhi Gupta	Special Invitee
5.	Dr. Sreemoyee Chatterjee	Member
6.	Dr. Payal Mehtani	Member
7.	Dr. Charu Sharma	Member
8.	Dr. Neha Batra	Member
9.	Dr. Ameeta Sharma	Member
10.	Mr. Pankaj Kumar	Member
11.	Dr. Anuja Vajpayee	Member
12.	Dr. Radhika Sharma Head, Dept of Biotechnology, IIS (deemed to University), Jaipur	Convener, BOS

The following members could not attend the meeting:

1.	Prof. J. S. Virdi Department of Microbiology, University of Delhi, South Campus, Benito Juarez Marg, New Delhi	External Member (Academician)
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2.	Dr. Shruti Agarwal	External Member (Alumnae)
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At the outset, Dean, Prof. Pradeep Bhatnagar welcomed all the members of the BOS.

1. The minutes of the last meeting held on 10 February 2018 were considered and approved.
2. The syllabi of the following programmes/courses of the academic year 2019-2022 (semesters I-VI) for UG and 2019- 2021 (semesters I - IV) for PG and 2019-20 for COSD were considered.
 - i. B.Sc Biotechnology
 - ii. B.Sc Microbiology
 - iii. M.Sc Biotechnology
 - iv. M.Sc Microbiology
 - v. M.Sc. Bioinformatics
 - vi. Certificate course in Intellectual Property Rights
 - vii. Diploma course in Intellectual Property Rights
 - viii. PG Diploma in Intellectual Property Rights
 - ix. Generic elective paper (GIPR 401) in Intellectual Property Rights offered to department of fashion and Textiles
 - x. PhD course work
3. Experts emphasized on the need to reduce the gap between academia and industry and thus suggested to incorporate new technology based concepts and practical's in the syllabi. The changes suggested in UG and PG syllabi were as follows:
 - Syllabi of two papers of UG Environmental Biotechnology (BTE 601) and Environmental Microbiology (MBL 601) were discussed. Prof. Indu Shekhar Thakur recommended to incorporate emerging climate issues and their mitigation strategies like role of nanotechnology in solving



climate change problems, biovalorization of green house gases and carbon dioxide sequestration in these papers.

- It was observed that the content of these two papers (BTE 601 and MBL 601) was similar and hence, the experts approved to merge them and form a common paper of BTE/MBL 601.
 - MBL 202: Unit I of the paper was too vast and included role of microbes in many fields of microbiology. Moreover, many of these topics are covered in the papers offered in other semesters. Thus the committee approved to reduce the content and to retain only some of the specific areas of microbiology.
 - BTE/MBL 224: the syllabus was reviewed and shuffling of contents of the paper was suggested and approved in order to increase the coherence.
 - BTE 425: the members recommended to redistribute 20 hrs allocated for unit I in to other units.
 - BTE 426: practical list was revised and practical's based on nanoparticle synthesis were incorporated.
 - The practical list of all papers was revised and new practical's were added to existing list. For example practical of nanoparticle synthesis was incorporated in BTE 426; evaluation of disinfectants and antiseptics in MBL 326; Surface Sterilization of plant parts in BTE 503 etc.
4. In order to offer specialization to the post graduate students in the final year, an additional paper (Introduction to Bioinformatics- BTE 425B/ MBL 325B) was incorporated along with existing paper (Environmental Biotechnology- BTE 425A/ Applied Environmental Microbiology- MBL 325 A). The syllabus of the newly added paper was approved.
5. The syllabus of Generic elective paper (GIPR 401) in Intellectual Property Rights was revised and restructured with respect to content and working hours.



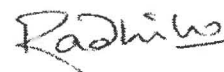
6. Syllabi of two new papers i.e., Intellectual Property Rights (LSC 144 L) and Nanotechnology (LSC 144 M) for course work examination of PhD in life sciences were proposed and approved with minor changes.
7. The question papers of semester I, III & V examination November-December 2017 and semesters II, IV & VI examination, April-May 2018 were reviewed and no suggestions were made.
8. The Examiner's Reports for the semester I, III & V examination November-December 2017 and semesters II, IV & VI examination, April-May 2018 were reviewed & indicated that the running syllabus is good.
9. Panel of examiners was observed by experts. Experts suggested the names of some examiners and said that they will communicate the names of new examiners via e-mail.
10. The BOS Co-opted **Dr. Neha Batra** as member of the examiner's selection committee for a period of one year (i.e. for session 2019- 2020).
11. Meeting ended with a vote of thanks.



Dr. Raakhi Gupta
Rector & Registrar



Prof. Pradeep Bhatnagar
Dean, Faculty of Science



Dr. Radhika Sharma
Convener



DEPARTMENT OF ENVIRONMENTAL SCIENCE

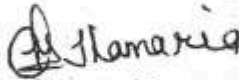
Minutes of the meeting held to approve syllabus of students admitted for PhD programme in the session 2019-20


- A departmental meeting was held 2/10/2019 to approve the syllabus of course work for the students admitted in PhD programme in the session 2019-20.
- Following members were present in the meeting


1.	Dr. Shelja K. Juneja Associate Professor	Supervisor
2.	Dr. Charu Jhamaria Associate Professor	Supervisor
3.	Dr. Alka Kataria Assistant Professor	Supervisor
4.	Mr. Ashish Tambi Head	Head of the Department

- New syllabus for the paper entitled LSC-144L Soil Science and Sustainable Agriculture has been introduced which was reviewed and approved by the members.
- The existing syllabus for the paper codes LSC-141, LSC-142, LSC-143 E, LSC-144 F, LSC-144 H, LSC-144K was reviewed and approved.


Dr. Shelja K. Juneja
Associate Professor


Dr. Charu Jhamaria
Associate Professor


Dr. Alka Kataria
Assistant Professor


Mr. Ashish Tambi
Head


Dean, Faculty of Science


The Registrar


The Vice Chancellor



THE IIS UNIVERSITY

deemed to be a university under section 3 of UGC Act., 1956



Kindly allow to incorporate some minor changes i.e. incorporation of a new paper, Computational Chemistry (CHY-143) in the minutes of DRC 2017-18 held on 27.1.2017.

Bhalwaga

Dean, Faculty of Science

Post

Head, Dept of Chemistry

The Registrar

Rana

The Vice Chancellor

Sharma



Scheme of Course Work for Ph.D Home Science (2018-19)

The following candidates have been admitted to Ph.D programme in Home Science. The course work details of the candidates are as follows:

S.No.	Name of Student	Course to which admitted	Papers
1.	Ms Anjana Singh	Ph.D	HFN 141- Research Methodology and Statistics HFN 142 -Review of Published Research Work HFN 143 C- Product Development HFN 144 H-Non Communicable Disease s (NCDs) and Nutrition Intervention*
2.	Ms Ruchi Kalra	Ph.D	HFN 141- Research Methodology and Statistics HFN 142 -Review of Published Research Work HFN 143 D- Nutrition Education and Programme Planning HFN 144 H- Non Communicable Disease s (NCDs) and Nutrition Intervention *

***New Paper introduced**

Submitted for necessary action.

Head
Department of Home Science

Registrar
IIS (deemed to be University)
Mansarovar, Jaipur-302020

RAC- Convenor



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Scheme of Course Work for Ph.D Home Science (2016-17)

The following candidates have been admitted to Ph.D programme in Home Science. The course work details of the candidates are as follows:

S.No.	Name of Student	Course to which admitted	Papers
1.	Ms Vyoma Agarwal	Ph.D	HFN 141- Research Methodology and Special Skills HFN 142 -Review of Published Research Work HFN 143 – Product Design and Consumer Research HFN 144 G – Elderly Health Nutrition and Wellbeing*

***New Paper introduced**

Submitted for necessary action.

Convenor, DRC



Head

Department of Home Science

Registrar

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Mansarovar, Jaipur-302020

M.Phil./Ph. D. (2018-19)

IIS (deemed to be University)

Department of English

List of Students admitted to M.Phil./Ph.D. Programme

Session 2018-19

S. No.	Name of Student	Supervisor	Co-Supervisor	M.Phil./Ph.D.	Advanced Paper I		Advance Paper II	
					Paper Code	Paper Title	Paper Code	Paper Title
1.	Anindita Das	Dr. Aditi Bhardwaj	Nil	Ph.D.	ENG 143	Critical Theory	ENG 144 A	Women in the Short Stories of Tagore and Mahasweta Devi
2.	Pankhuri Vyas	Dr. Rimika Singhvi	Nil	Ph.D.	(Exempted)		ENG 144 B	War, Divide and Cultural Identity in Contemporary Diasporic Writing
3.	Sakshi Kaushik	Dr. Aditi Bhardwaj	Nil	Ph.D.	ENG 143	Critical Theory	ENG 144 C	Preaching Voices behind the Beast Fables
4.	Shubhra Saxena	Dr. Sucharita Sharma	Nil	Ph.D.	ENG 143	Critical Theory	ENG 144 D	From Paintings to Reality: A Study of the Selected Works of Iris Murdoch
5.	Simran Tripathi	Dr. Sucharita Sharma	Nil	Ph.D.	ENG 143	Critical Theory	ENG 144 E	The Absurd World in the Selected Works of Saul Bellow and Paul Auster
6.	Tripti Verma	Dr. Aditi Bhardwaj	Nil	Ph.D.	ENG 143	Critical Theory	ENG 144 F	Marathi and Tamil Dalit Autobiographies



Ranjan

Registrar

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Rimika Singhvi

(Dr. RIMIKA SINGHVI)
Head
Dept. of English



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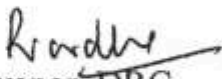
Scheme of Course Work for Ph.D Fashion & Textile Technology (2015-16)

The following candidates have been admitted to Ph.D programme in Fashion & Textile Technology after RAC conducted on 4th August 2015. The course work details of the candidates are as follows:


S.N o.	Name of Student	Course to which admitted	Papers
1. 2.	Ms. Vatsala Shrivastav Ms. Garima Tiwari	Ph.D	FSD 141- Research Methodology and Special Skills FSD 142 -Review of Published Research Work FSD 143 - Globalisation and Recent Advances in Textile and Apparel FSD 144 E - Textile Designing*
3.	Acharya Taruna Vasu	Ph.D	FSD 141- Research Methodology and Special Skills FSD 142 -Review of Published Research Work FSD 143 - Globalisation and Recent Advances in Textile and Apparel FSD 144 I - Techniques of Pattern Making*

*New Paper introduced


Submitted for necessary action.


Convenor, DRC




Head

Department of Fashion & Textile Technology


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Mansarovar, Jaipur-302020

Scheme of Course Work for Ph.D Sociology (2019-20)

The following candidates have been admitted to Ph.D programme in Sociology after the DRAC conducted on 30 July, 2019 . The course work details of the candidates are as follows:

S.No	Name	Course to which admitted	Papers Code/Paper Title
1.	Ms. Anjali Pareva	Ph.D.	Compulsory: SOC 141-ResearchMethodology SOC 142- Review of Literature SOC 143(a)- Theories and Techniques of Social Work Optional : SOC 144(g)- Industrial Social Work *
2.	Ms. Nipul Khandelwal	Ph.D	Compulsory: SOC 141-ResearchMethodology SOC 142- Review of Literature SOC 143(a)- Theories and Techniques of Social Work Optional : SOC 144(e)- Social Work and Society
3.	Ms.Rekha Choudhary	Ph.D	Compulsory: SOC 141-ResearchMethodology SOC 142- Review of Literature SOC 143(a)- Theoretical Sociology Optional : SOC 144(h)- Sociology of Education*
4.	Ms. Sonali Shrivastava	Ph.D	Compulsory: SOC 141-ResearchMethodology SOC 142- Review of Literature SOC 143(b)- Theories and Techniques of Social Work Optional : SOC 144(e)- Social Work and Society
5	Ms. Yuttika Singh	Ph.D	Compulsory: SOC 141-ResearchMethodology SOC 142- Review of Literature SOC 143(a)-Theoretical Sociology Optional : SOC 144(a)- Sociology of Indian Society


*New paper introduced

Submitted for necessary action.


Convenor, DRC




Head, Department of Sociology


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**Minutes for the Thirteenth meeting of the Board of Studies in Geography
held on 18.02.2019 at 10.00 am at The IIS Campus, Jaipur.**

The following members were present:

S.No.	Name	Designation
1.	Prof. Pradeep Bhatnagar Dean, Faculty of Science The IIS University, Jaipur	Chairperson
2.	Prof. Rolee Kanchan Department of Geography Faculty of Science The M.S. University of Baroda Vadodara – 390002, Gujarat	External Member (Academician)
3.	Prof. Mahendra Singh Nathawat D-111, Freedom Fighter Enclave neb Saral New Delhi – 110068	Industry Expert
4.	Dr. Mini Mathur	Member
5.	Ms. Taniya Singh	Member
6.	Dr. Harshita Upadhyaya	Convener

The following members could not be present:

S.No.	Name	Designation
1.	Prof. R.N. Mishra Retired Head, Department of Geography, University of Rajasthan, Jaipur	Special Invitee
2.	Prof. S.C. Rai C-2 (29-31) Probyn Road University of Delhi Delhi – 110007	External Member (Academician)
3.	Ms. Arpita Goyal 16, Saket Colony Deoli (Tonk) 304804 Rajasthan	Alumnae

Arpita

Registrar

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Mansarovar, Jaipur-302020

ADVANCED DIPLOMA IN REMOTE SENSING AND GIS

Paper Code	Paper Title	Theory/ Practical	Total Hours	Hours /Week	Credits
RES 331	Advance Principles of Remote Sensing	Theory	90	3	3
RES 332	Advanced Principles Of Geographical Information System (GIS) And Introduction To GPS	Theory	90	3	3
RES 333	Practical	Practical	120	4	4

- IV) The syllabus of PhD Course Work for the year 2019-20 was reviewed and to make it more suitable the required changes were incorporated. The idea behind the inculcated changes is to provide a wider spectrum related to Physical and Human aspect of Geography in the newly added Optional papers, whose number is now limited to two.

Paper Code	Paper Title		Change	Reason
	Till 2018-19	2019-20 onwards		
GEO 143	Resource Geography and Globalisation	Remote Sensing, GIS and GPS	Change of Compulsory Paper	The Optional paper GEO 144 B which dealt with Remote Sensing is made compulsory and the essential and basic knowledge of GIS and GPS, is also added to the syllabus. Whereas, the essential elements of Resource Geography and Globalisation are included in the wider spectrum of paper GEO 144 A, in Unit V as Economic Geography.
GEO 144 A	Applied Climatology and Climate Change	Human centric geography	Replaced as an independent paper to an essential component of GEO 144 B	The paper 'Applied Climatology and Climate Change' under the new Syllabus of 'Earth Systems' in Climatology section i.e. Unit II and Unit V Meteorological Hazard and Disasters


Anglo

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Mansarovar, Jaipur-302020

GEO 144 B	Remote Sensing Application	Earth Systems	'Remote Sensing Application' is offered as a compulsory paper.	The paper 'Earth Systems' entails the basic and essential elements of 1. Geomorphology; 2. Climatology; 3. Oceanography 4. Biogeography; 5. Meteorological Hazard and Disasters
GEO 144 C	Population Studies		Replaced as an independent paper to an essential component of GEO 144 A	Unit III i.e. Population Geography of GEO 144 A entails the basic and essential elements of Population Studies
GEO 144 D	Political Geography		Paper Removed	
GEO 144 E	Bio-Geography		Replaced as an independent paper to an essential component of GEO 144 B	Unit IV i.e. Biogeography of GEO 144 B entails the basic and essential elements of Biogeography

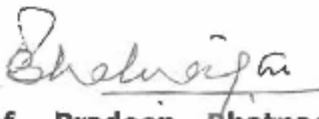
- Two new papers have been introduced:
1. GEO 144 A - Human - centric geography
2. GEO 144 B - Earth Systems
- 6. Prof. R.N. Mishra is co-opted as a member of BOS on the Examiners' Selection Committee for the Academic Session 2019-20.
- 7. The **Question Papers** of and Semester-II, IV and VI Examinations April- May 2018 and Semesters I, III and V Examinations November –December 2018 were observed and no suggestions were given.


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8. The **Examiners' Reports** of and Semester-II, IV and VI Examinations April-May 2018 and Semesters I, III and V Examinations November –December 2018 were considered and no suggestions were given.

The meeting ended with a vote of thanks.


Dr. Raakhi Gupta
Registrar


Prof. Pradeep Bhatnagar
Dean, Faculty of Sciences


Dr. Harshita Upadhyaya
Convener


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Mansarovar, Jaipur-302020

Scheme of Course Work for Ph.D in Fine Arts (2017-18)

The following candidates have been admitted to Ph.D programme in Fine Arts after the DRC conducted on 29 August, 2017. The course work details of the candidates are as follows:

S.No	Name	Course to which admitted	Papers Code/Paper Title
1.	Ms. Kritika Agarwal	Ph.D	Compulsory: VAH 141-ResearchMethodology VAH 142- Review of Published Research Work Optional: ❖ VAH 143(a)- Introduction to Advertising ❖ VAH 144 (a)- Advertising in Media
2.	Ms. Setu Sharma	Ph.D	Compulsory: VAH 141-ResearchMethodology VAH 142- Review of Published Research Work Optional: ❖ VAH 143(a)- Introduction to Advertising ❖ VAH 144 (a)- Advertising in Media
3.	Ms. Bhakti Bakshi	Ph.D	Compulsory: VAH 141-ResearchMethodology VAH 142- Review of Published Research Work Optional: ❖ VAH 143(a)- Introduction to Advertising ❖ VAH 144 (a)- Advertising in Media


❖ New Optional papers introduced for the course work of Ph.D in Applied Art Submitted for necessary action.



 Convenor, DRC



 Head, Department of Visual Arts


Registrar
 IIS (deemed to be University)
 Mansarovar, Jaipur-302020



Department of Mathematics

As per the deliberations in the curriculum Development workshop held on 5th and 6th may 2018 in the Department of Mathematics, following new papers being introduced as part of Ph.D. course work in Mathematics.

Submitted for approval

MAT 143A: Advanced Numerical Analysis

MAT 143C: Non-Newtonian Fluid Dynamics

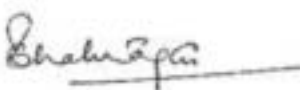
MAT 144A: Operations Research (complete revision in course content)

MAT 144B: Mathematical Modeling and Perturbation Methods

MAT 144C: Relativistic Cosmology and Differential Forms



Head Department of Mathematics



Dean, Faculty of Sciences



Registrar

Registrar
IIS (deemed to be University)
Mansarovar, Jaipur-302020