

Department of General and Applied Geography

School of Applied Sciences
Dr. Harisingh Gour Vishwavidyalaya
(A Central University)
Sagar, MP. 470003. India

CURRICULAR ASPECTS

Programmes offered

The Department offers B.A./ B. Sc., M.A./MSc. and Ph D. programmes in geography under School of Applied Sciences.

Table: Programmes being offered by department.

Programme	Duration	Available Seats	Eligibility Criteria
Ph.D. in Geography	3-5 years with one Semesters Course work	--	PG in Geography
Master of science (M.Sc.) & Master of Arts (M.A.)	2 Years (4 Semesters)	50	UG with Geography
Bachelor of Science (B.Sc.)	3 Years (6 Semesters)	66	10+2
Bachelor of Arts (B.A.) &	3 Years (6 Semesters)	137 (105+32)	10+2
Bachelor of Arts (Integrated) B.A. B.Ed	4 Years (8 Semesters)		10+2

Admission Procedure

The admission of students in the programmes offered by the department is made through All-India entrance test, conducted by the university. After the entrance test, the counselling of students for admission of UG and PG programme is done at school and department level respectively. In the counseling the verification of respective documents is made following the UGC guidelines, University Ordinance and Government of India norms. All the programmes and courses in the department are based on Choice Based Credit System (CBCS) adopted in 2010.

Scheme of courses offered in different programmes

Ph.D. Course Work in Geography

The admission in Ph. D. is made through all India entrance test and followed by an interview. The number of seats may vary subject to the availability of vacant positions in the department. The major fields of research are: Geomorphology, Environmental management, Population studies, Agriculture patterns and Transformation, Industrial development, Urban studies, Rural development, Health and nutrition and Resource appraisal. This Department is committed to undertake research in a way to provide rationale for formulation and adoption of suitable policies for improvement in socio-economic conditions.

Ph. D. I Semester

Scheme of Ph.D. Course Work in Geography

Course Code	Title of the Course	L	T	P	C
GOG CC 141	Research Methodology in Geography	4	0	0	4
GOG CC 142	Application of Geoinformatics in Geographical Studies (Practical)	0	0	8	4
GOG CC 143	Review of Published Work / Project Report	0	12	0	4
Students will opt any one from the following Elective Courses					
GOG EC 141	Advanced Geomorphology	4	0	0	4
GOG EC 142	Population Analysis : Theories & Techniques	4	0	0	4
GOG EC 143	Agricultural Geography: Concepts and Techniques	4	0	0	4
GOG EC 144	Regional Planning and Development	4	0	0	4
GOG EC 145	Cryosphere and Water Resource Assessment	4	0	0	4
GOG EC 146	Geography of Tourism	4	0	0	4
Total credits = 16 (Core=4+4+4=12 + Elective =4)					

M. Sc. / M. A. in Geography

(Semester wise prescribed Courses/Papers in M. Sc. / M. A. are as follows:)

I Semester

Course Code	Title of the Course	L	T	P	C
GOG CC 121	History of Geographical Thought	4	0	0	4
GOG CC 122	Advanced Physical Geography: Lithosphere	4	0	0	4
GOG CC 123	Advanced Human Geography	4	0	0	4
GOG CC 124	Advanced Geography of India: Physical and Resources	4	0	0	4
GOG CC 125	Quantitative Techniques and Map Projection (Practical)	0	0	8	4
Total Credits = 20					

II Semester

Course Code	Title of the Course	L	T	P	C
GOG CC 221	Concepts and Methods in Geography	4	0	0	4
GOG CC 222	Advanced Physical Geography: Atmosphere and Hydrosphere	4	0	0	4
GOG CC 223	Advanced Economic Geography	4	0	0	4
GOG CC 224	Advanced Geography of India: Economy and Development	4	0	0	4
GOG CC 225	Morphometric Analysis and Geological Maps (Practical)	0	0	8	4
Open elective course of 2 credit to be opted by students outside the department					
GOG OE 221	Rural Development	2	0	0	2
Total Credits = 22					

III Semester

Course Code	Title of the Course	L	T	P	C
GOG CC 321	Advanced Geomorphology	4	0	0	4
GOG CC 322	Astronomy and Terrestrial Survey (Practical)	0	0	8	4
GOG CC 323	Field Survey and Project Report (Practical)	0	0	8	4
Two courses to be opted from the following elective courses :					
GOG EC 321	Environmental Geography	4	0	0	4
GOG EC 322	Population Geography	4	0	0	4
GOG EC 323	Regional Planning and Development	4	0	0	4
GOG EC 324	Agricultural Geography	4	0	0	4
GOG EC 325	Introduction to Remote Sensing	4	0	0	4
GOG EC 326	Climate Change and Proxies of Reconstructions	4	0	0	4
Open elective course of 2 credit to be opted by students outside the department					
GOG OE 321	Population and Development	2	0	0	2
Total Credits = 22					

IV Semester

Paper Code	Title of the paper/ course	L	T	P	C
GOG CC 421	Applied Geomorphology	4	0	0	4
GOG CC 422	Photogrammetry, Remote Sensing and GIS (Practical)	0	0	8	4
GOG CC 423	Dissertation /Project Report	0	3	3	6
Two courses to be opted from the following elective courses :					
GOG EC 421	Environmental Management	4	0	0	4
GOG EC 422	Population Geography of India	4	0	0	4
GOG EC 423	Urban Geography	4	0	0	4
GOG EC 424	Industrial Geography	4	0	0	4
GOG EC 425	Geographical Information System and GPS	4	0	0	4
GOG EC 426	Himalayan Cryosphere and Water Resources	4	0	0	4
Total Credits = 22					

B.Sc. / B.A. in Geography

(B. Sc. / B. A. Prescribed Course/Papers according to Semesters are as follows)

I Semester

Paper code	Title of the course/ paper	L	T	P	C
GOG CC 111	Physical Geography: Lithosphere	4	0	0	4
GOG CC 112	Map Reading and Interpretation (Practical)	0	0	4	2

II Semester

Paper code	Title of the course/ paper	L	T	P	C
GOG CC 211	Human Geography	4	0	0	4
GOG CC 212	Relief Analysis and Surveying (Practical)	0	0	4	2

III Semester

Paper code	Title of the course/ paper	L	T	P	C
GOG CC 311	Physical Geography: Climatology and Oceanography	4	0	0	4
GOG CC 312	Weather Interpretation & Forecasting (Practical)	0	0	4	2
GOG SE 311	Regional Planning and Development	2	0	0	2

IV Semester

Paper code	Title of the course/ paper	L	T	P	C
GOG CC 411	Economic Geography	4	0	0	4
GOG CC 412	Representation of Data and Surveying (Practical)	0	0	4	2
GOG SE 411	Introduction to Remote Sensing and GPS	2	0	0	2

V Semester

Paper code	Title of the course/ paper	L	T	P	C
Students will select any one of the following elective theory courses/ papers					
GOG EC 511	Environment and Resources	4	0	0	4
GOG EC 512	Geography of Tourism	4	0	0	4
GOG EC 513	Map Projection and Surveying (Practical)	0	0	4	2
GOG SE 511	Introduction to GIS	2	0	0	2
The Generic Elective (Interdisciplinary) course is available only for B.A. students.					
GOG GE 511	Disaster Risk Reduction	6	0	0	6

VI Semester

Paper code	Course type	Title of the course/ paper	L	T	P	C
Students will select any one of the following elective theory courses/papers						
GOG EC 611	Geography of India or Disaster Management		4	0	0	4
GOG EC 612			4	0	0	4
GOG EC 613	Quantitative Techniques and Field Based Project Report (Practical)		0	0	4	2
GOG SE 611	Field Techniques and Survey		2	0	0	2
The Generic Elective (Interdisciplinary) course is available only for B.A. students.						
GOG GE 611	Sustainability and Development		6	0	0	6

Curricular design, development and revision of syllabus

The syllabi of UG, PG and Ph.D. programme is revised and updated time to time. The revision of syllabus of courses is first placed in Board of Studies (BoS) in Geography and then is put in School Board before it is further placed in Academic Programme Committee (APC) of the university. Once the syllabus of any course or programme is passed by the APC is further passed by Academic Council (AC) of the university. The syllabi of various programmes have been revised in 2015-16, 2017-18 and February, 2019.

The teaching and instruction of various courses is made in the class room by using adequate instruments, apparatus and means of illustrations. Students are instructed in Remote Sensing and GIS Lab in respective courses. Students are also taken to field excursion and trips for the validation and physical illustration of various physical and cultural landscapes. The methods of drawing samples and interviews with people in selected geographical setting are also made with the help of schedule in respective courses.

Important Aspects of curricula design, development and significance	Response and outcomes
Curricula developed and implemented have relevance to the local, national, regional and global developmental needs which is reflected in Programme outcomes (POs), Programme Specific Outcomes (PSOs) and Course Outcomes (COs) of the Programmes offered by the University	Knowledge about Recent trends, basics, lithospheric, atmosphere, resource utilisation contemporary issues and challenges Training about modern tools and techniques of Geo-informatics and quantitative techniques Rural development planning Academics, administration, scientists Along with UGC guidelines
Percentage of Programmes where syllabus revision was carried out during the last five years	100 percent syllabus was revised in 2016, In Feb., 2019, few new courses and changes in the syllabus in courses were made.
Average percentage of courses having focus on employability/ entrepreneurship/ skill development offered by the department.	The department offers few Skill Enhancement Courses on Remote Sensing, GIS, GPS and Regional Development & Planning, and Field survey methods. These courses help students to develop skills which may be further applied in their higher education and research. Besides, the training of instrumental surveying, being provided, is also helpful to students in terms of their employability. Outcome: few students have been selected in

	some pvt sector jobs.
Percentage of new courses introduced of the total number of courses across all programs offered during the last five years	100 percent revision in scheme of courses was made in 2016-17. After that revision were made in 2017, 2018 and 2019 by the BoS.
Percentage of Programmes in which Choice Based Credit System (CBCS)/elective course system has been implemented	100 percent since 2010
Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum	We have one course (Generic Elective: GE 611) on Sustainability and Development open for BA students.
Number of value-added courses for imparting transferable and life skills offered Average Percentage of students enrolled in the courses in value-added coursesimparting transferable and life skills offered	None
Percentage of students undertaking field projects / research projects / internships	100 percent students participate in the Field work as a part of course curricula (See scheme of courses for detail). Geography is a field surveybased discipline wherein field excursion ia an integral part of the subject.
Structured feedback for design and review of syllabus from students, teachers, alumni & employers.	Informally we take feedback for students, past students and Alumni and teachers. The curriculam is designed in such as manner that it may be useful to the students in an optimal way.

Department of General and Applied Geography
School of Applied Sciences
Dr. Harisingh Gour Vishwavidyalaya, Sagar (M.P.)

A meeting of the Board of Studies (BoS) held on 21.05.2016 (Saturday) at 2:00 PM.

The following members were present in the meeting:

1. Dr. P. Soni (Chairman, BoS)
(UTD, Sagar)

P. Soni

2. Prof. R. P. Mishra (Member)
(UTD, Sagar)

R. P. Mishra
21.5.16

3. Dr. R. K. Shrivastri (Member)
(UTD, Sagar)

R. K. Shrivastri

4. Prof. R. K. Trivedi (Member)
(UTD, Sagar)

R. K. Trivedi
21/5/16.

5. Prof. K. K. N. Sharma (Member)
(UTD, Sagar)

K. K. N. Sharma
21-5-16

6. Prof. R. S. Yadav (Member)
(BHU, Varanasi)

R. S. Yadav

7. Prof. R. B. Singh (Special Invitee)
(DU, New Delhi)

R. B. Singh
21.5.16

Agendas of the meeting were as follows:

- 1) Syllabus of B. Sc./ B.A. in Geography
- 2) Syllabus of M. Sc./M.A. in Geography
- 3) Syllabus of Ph. D. Programme in Geography
- 4) List of Examiners for UG and PG Programme (2016-17)

The meeting of the BoS in Geography held on 6.04.2017 at 1:00 PM. in the Department of General & Applied Geography.

The following members present in the meeting:

- | | | |
|--------------------------|----------|----------------------------------|
| 1. Prof. P. Soni | Chairman | <i>P. Soni</i>
6/4/17 |
| 2. Prof. R. P. Mishra | Member | <i>R. P. Mishra</i> |
| 3. Prof. C. K. Jain | Member | <i>C. K. Jain</i> |
| 4. Prof. R. K. Trivedi | Member | <i>R. K. Trivedi</i>
6/4/17 |
| 5. Prof. K. K. N. Sharma | Member | <i>K. K. N. Sharma</i>
6/4/17 |

The following members could not attend the meeting due to time constraints:-

1. Prof. B. N. Singh, Allahabad
2. Prof. R. S. Yadav, BHU, Varansi
3. Dr. R. K. Shrivastri

The following issues discussed and passed unanimously in the meeting:-

1. Revised and upgraded syllabus of M.A. & M. Sc. I, II, III & IV semester for the year 2017 to 2019.
2. Revised and upgraded syllabus of B.A. & B. Sc. I, II, III, & IV semester for year 2017-2019.
3. A new section for the B. Sc. I Semester approved for Anthropology, Forensic Science and Geography.

Meeting over with the thanks to the chair.

4. The synopsis (in prescribed format) of following candidates approved:-
 - (i) Mr. Vikas Mahajan
 - (ii) Mr. Rajeev Ranjan
 - (iii) Mr. Ajay Kumar

The meeting of the BoS in Geography held on 5.10.2017 at 1:00 PM in the Department of General & Applied Geography.

The following members present in the meeting:

1. Prof. C. K. Jain	Chairman	<i>ckjain</i> 5.10.17
2. Prof. R. P. Mishra	Member	<i>RP</i> 5.10.17
3. Prof. P. Soni	Member	<i>Psoni</i> 5.10.17
4. Prof. R. K. Trivedi	Member	<i>RT</i> 5.10.17
5. Prof. K. K. N. Sharma	Member	<i>KKNS</i> 5.10.17
6. Prof. B. N. Singh	Member (Allahabad)	<i>BNS</i> 5.10.17
7. Dr. R. K. Shrivastri	Member	<i>RKS</i> 5.10.2017

The following members could not attend the meeting due to time constraints :

1. Prof. R. S. Yadav	B. H.U., Varansi
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The following issues discussed and approved / passed unanimously in the meeting:-

1. Revised and upgraded syllabus of M.A. & M. Sc. I, II, III & IV semesters for the year 2017 to 2019.
2. Revised and upgraded syllabus of B.A. & B. Sc. I, II, III, IV, V and VI semesters for year 2017 to 2019.
3. Revised and upgraded syllabus of Ph. D. 2017
4. Revised and upgraded syllabus of M.A. & M. Sc. I, II, III & IV semesters for the year 2018 to 2020.
5. Revised and upgraded syllabus of B.A. & B. Sc. I, II, III, IV, V and VI semesters for year 2018 to 2021
6. Revised and upgraded syllabus of Ph. D. 2018
7. The Panel of Experts.
8. List of Concerned, Allied and Relevant Subjects.

ckjain
5.10.17

RP
5.10.17

Psoni
5.10.17

RT
5.10.17

BNS
5.10.17

RKS
5.10.17

RT
5/10/17

The meeting of the BoS in Geography held on 6.06.2018 at 11:00 hours in the department of General and Applied Geography.

The following members present in the meeting

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|-------------------------|----------|
| 1. Prof. C.K. Jain | Chairman |
| 2. Prof. R.P. Mishra | Member |
| 3. Prof. P. Soni | Member |
| 4. Prof. R.K. Trivedi | Member |
| 5. Dr. R. K. Shrivastri | Member |

Handwritten signatures and dates:
C.K. Jain 6/6
R.P. Mishra 6/6/18
P. Soni 6/6/18
R.K. Trivedi 6/6/18
R.K. Shrivastri 6/6/2018

The following members could not attend the meeting due to time constraints

- | | |
|-------------------------|--------|
| 1. Prof R.S. Yadava | Member |
| 2. Prof. K. K.N. Sharma | Member |
| 3. Prof. B. N. Singh | Member |

The following issues discussed and approved/passed unanimously in the meeting:-

1. Revised and upgraded syllabus of M.A/M.Sc. I, II, III and IV semesters for the year 2018-2020
2. Revised and upgraded syllabus of B.A/B.Sc. I, II, III, IV, V and VI semesters for the year 2018-2021
3. Revised and upgraded syllabus for Ph.D. 2018
4. Panel of experts
5. List of examiners for CBCS courses UG and PG (Theory) examinations 2018-2019.
6. List of examiners for CBCS courses UG and PG (Practical) examinations 2018-2019.
7. Permission for introducing new paper in M.A./M.Sc. III and IV semesters

Handwritten signatures and dates:
6/6/18
6/6/18
6/6/2018
6/6

The meeting of the BoS in Geography held on 25. 02. 2019 at 02 : 00 hours in the department of General and Applied Geography.

The following members present in the meeting

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|-----------------------|----------------|
| 1. Prof. C.K. Jain | Chairman |
| 2. Prof. R.P. Mishra | Member |
| 3. Prof. R.K.Trivedi | Member |
| 4. Dr. R.K.Shrivastri | Member |
| 5. Dr. R.B.Anuragi | Invited Member |

Handwritten signatures and dates:
C.K. Jain: 25/2
R.P. Mishra: 25/2
R.K. Trivedi: 25/2
R.K. Shrivastri: 25/2
R.B. Anuragi: 25/2/19

The following members could not attend the meeting due to time constraints

- | | |
|-------------------------|--------|
| 1. Prof R.S. Yadava | Member |
| 2. Prof. K. K.N. Sharma | Member |
| 3. Prof. B. N. Singh | Member |

The following issues discussed and approved/passed unanimously in the meeting:-

1. Revised and upgraded syllabus of M.A/M.Sc. I, II, III and IV semesters for the year 2019-2021
2. Revised and upgraded syllabus of B.A/B.Sc. I, II, III, IV, V and VI semesters for the year 2019-2022
3. Revised and upgraded syllabus for Ph.D. 2019
4. Panel of experts
5. List of examiners for CBCS courses UG and PG (Theory) examinations 2019-2020.
6. List of examiners for CBCS courses UG and PG (Practical) examinations 2019-2020.