



DEPARTMENT OF GEOGRAPHY

FACULTY OF EARTH SCIENCES

MOHANLAL SUKHADIA UNIVERSITY, UDAIPUR

Scheme and Syllabus of the

Two Years Post Graduate (Masters) Degree Program (GEOGRAPHY)

following the Choice Based Credit System (CBCS)

as per the National Education Policy, 2020

For Academic Qualification : Postgraduate Diploma and Two years Post Graduate Degree in Geography (M.A./M.Sc. – GEOGRAPHY)

Discipline : Geography (Subject/ Discipline Code – GEG)

Faculty : Earth Science (Faculty Code - 03)

Year of Implementation

| Semester | Academic Session |
|-------------------|------------------|
| Semester I & II | 2023-24 |
| Semester III & IV | 2024-25 |

Scope : All constituent and affiliated colleges of the University having post graduate programme in Geography.

Key features

1. Semester System
2. Multiple Entry and Exit
3. Continuous Assessment
4. Grading System

Guided by

1. Directives of the State Government circulated vide letter no. क्रमांक पत्र 18 (10) शिक्षा - 4/2020 दिनांक 08.06.2023.
2. Resolution No. T-1 of the Meeting of the Academic Council held on 28.06.2023.

DEPARTMENT OF GEOGRAPHY
Faculty of Earth Sciences
Mohanlal Sukhadia University, Udaipur

M.A./M.Sc. CBCS Two Year Degree Programme in Geography

As per the National Education Policy, 2020

w.e.f. ACADEMIC SESSION 2023-24

Programme Specific Objectives and Outcomes

Geography is the mother of all disciplines. Studies in Geography comprise a systematic and scientific study of practically all aspects of the natural and cultural surroundings of human society – the land and water bodies; flora and fauna; environment, atmosphere, landforms and interior of the earth; demography, economy and society; distribution of natural resources; development patterns and so on. Accordingly, geographical studies comprise study of diverse sub-disciplines ranging from geomorphology, climatology, oceanography, biogeography, environmental geography, social geography, economic geography, industrial geography, resource geography, transport geography, urban geography, agricultural geography, political geography, regional geography, social geography, cultural geography and so on. Needless to say, the discipline has high applied relevance. Besides the subject specific fields, Geography forms an integral part of the syllabi of the *general studies* section of many State as well as Central public service examinations especially school & higher education and civil services including allied services. The subject is also a core content of subjects offered at secondary and higher secondary level in school education. Further, geographical concepts and techniques form the basic requirement of several professional fields viz. urban planning and management, surveying, cartography and mapping, and likewise.

Recently geospatial technology has emerged as a very powerful analytical tool having vast applications in applied geographical research. A strong theoretical base in the subject with technical expertise in the field of geospatial technology has vast employment opportunities in public and private sector, as well as for self-employment. For creating successful professionals good communication and presentation skills are also to be developed.

The post graduate two year degree programme in Geography under CBCS Scheme offered by the Department has been designed keeping in view the above strengths, requirements, developments and employment potential in the field. The theory courses cover all important sub-disciplines. Core courses relate to papers in first two Semesters cover content significant for major competitive exams with contents overlapping with their course requirements. Elective courses mainly in advanced Semesters relate to specialized fields more relevant for

research specialization. The contents cover recent developments and contemporary issues at national and global levels.

The programme focuses on developing a strong research orientation in the students at post-graduate level itself. Hence, courses focusing on quantitative techniques and research methodology are also offered as both core and elective courses. The practical and skill courses aim at developing strong understanding of the cartographic and analytical techniques relevant to the discipline. Field data collection methods also form an important component of the curriculum. The students are also trained in geospatial technology comprising image interpretation, digital image processing, mapping and spatial analysis in GIS environment, other tools and methods of digital cartography, and state of the art surveying techniques. Courses relating to quantitative analysis using statistical softwares are also offered as core as well as skill courses. Strengthening communication and presentation skills is being taken care of through assignments conducted for internal assessments. Options for flexible entry/exit and credit transfer align closely with the vision and spirit of the National Education Policy, 2020.

Summarily, the *Programme Outcomes* of CBCS programme in Geography may be enumerated as:

1. Developing a strong theoretical foundation and research orientation in the discipline covering all major sub-disciplines.
2. Prepare the students for various competitive examinations- particularly relating to school/higher education and civil services – along with PG studies.
3. Enhancing employability and self-employability by training the students in field specific state of the art tools and methodologies to develop vocational, technical and research skills.
4. Developing entrepreneurship skills by imparting quality training in geospatial technology, statistical software based analysis along with activities enabling personality development.
5. Laying theoretical foundation and developing working skills for professional fields like town/urban planning, surveying, cartography and mapping.

1.0 STRUCTURAL FRAMEWORK OF THE TWO YEARS POST GRADUATE PROGRAMME

(Table 3 of the University approved scheme)

| Table 3: Structural framework of the two years M.A./M.Com./M.Sc. Program under NEP2020 | | | | | |
|--|--|--|--|---|--|
| | SEM-I | SEM-II | PG Diploma | SEM-III | SEM-IV |
| Core Courses | DCC-1-Th (4 Cr) DCC-2 Th (4 Cr) DCC-3 Th (4 Cr) DCC-4 Th (4 Cr) DCC-1 Th/Lab (4 Cr) DCC-2 Th/Lab (4 Cr) | DCC-5-Th (4 Cr) DCC-6 Th (4 Cr) DCC-7 Th (4 Cr) DCC-3 Th//Lab (4 Cr) DCC-4 Th/Lab (4 Cr) | Student who opt to exit after completion of the 1 year securing 48 credits will be awarded a PG Diploma in the relevant subject. | DCC-8-Th (4 Cr) DCC-9 Th (4 Cr) | DCC-10-Th (4 Cr) |
| Discipline Specific Elective/ Generic Elective Courses | - | GEC-(1-4) Th (4 Cr) | | DSE-(5-8) Th (4 Cr) DSE-(9-12) Th (4 Cr) DSE-(1-4) Th/Lab (4 Cr) GEC-(5-8) Th/Lab (4 Cr) | DSE-(13-16) Th (4 Cr) DSE-(17-20) Th (4 Cr) DSE-(21-24) Th (4 Cr) DSE-(9-12) Th/Lab (4 Cr) DSE-(13-16) Th/Lab (4 Cr) |
| | 24 + 0=24 | 20 + 4=24 | | 8 + 16=24 | 4 + 20=24 |
| | 56 (DCC) + 40 (DSE/GEC) = 96 | | | | |

Notes:

- Courses with Practical component: Theory (4 credits) + Practical (2 credits) = 6 credits
- Non-practical Courses: Theory (5 credits) + Tutorial (1 credit) = 6 credits (Numbers shown in brackets indicate Credits). In some of the disciplines such as fine arts and performing arts, it may be (2L+2P+2T) or (2L+4P).
- GEC-Generic Elective Course; DPR-Dissertation, Project, Report of Field Study; IOJ-Internship or On Job Experience; CEC-Community Engagement Course shall be the part of the DSE courses.

2.0 SCHEME OF TWO YEARS POSTGRADUATE M.A./ M.Sc. PROGRAM IN GEOGRAPHY

Programme Code : PG403__

Programme Faculty : EARTH SCIENCES (03)

Programme Name : TWO YEAR POST-GRADUATE PROGRAM IN GEOGRAPHY

SCHEME AND WEIGHTAGE OF COURSES FOR SEMESTER I & II ONLY

| S. No. | NHEQF Level | Course Code | Course Category | Title of the Course | Credits | | | Credits earned | | | Evaluation | | | Remarks |
|--------------------|-------------|-------------|-----------------|--|---------|---|---|----------------|----|-----|------------|----|-----|------------------------------------|
| | | | | | L | T | P | S/O | IA | ESA | Total | | | |
| SEMESTER I | | | | | | | | | | | | | | |
| 1 | 8 | GEG8000T | DCC | Geographical Thought | 4 | 0 | 0 | 0 | 0 | 4 | 20 | 80 | 100 | All Courses are compulsory Courses |
| 2 | | GEG8001T | DCC | Geomorphology | 4 | 0 | 0 | 0 | 0 | 4 | 20 | 80 | 100 | |
| 3 | | GEG8002T | DCC | Economic & Resource Geography | 4 | 0 | 0 | 0 | 0 | 4 | 20 | 80 | 100 | |
| 4 | | GEG8003T | DCC | Climatology & Oceanography | 4 | 0 | 0 | 0 | 0 | 4 | 20 | 80 | 100 | |
| 5 | | GEG8000P | DCC | Lab I – Representation of Relief & Climatic Data | 0 | 0 | 4 | 0 | 0 | 4 | 20 | 80 | 100 | |
| 6 | | GEG8001P | DCC | Lab II – Representation of Socio--economic Data | 0 | 0 | 4 | 0 | 0 | 4 | 20 | 80 | 100 | |
| SEMESTER II | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | |
|--|---|----------|-----------|---|---|---|---|---|---|---|----|----|-----|--|
| 7 | | GEG8004T | DCC | Geography of India | 4 | 0 | 0 | 0 | 0 | 4 | 20 | 80 | 100 | |
| 8 | | GEG8005T | DCC | Urban Geography | 4 | 0 | 0 | 0 | 0 | 4 | 20 | 80 | 100 | |
| 9 | | GEG8006T | DCC | Population & Settlement Geography | 4 | 0 | 0 | 0 | 0 | 4 | 20 | 80 | 100 | |
| 10 | 8 | GEG8100T | DSE - GEC | Environmental Geography | 4 | 0 | 0 | 0 | 0 | 4 | 20 | 80 | 100 | Students may opt any one of the two elective courses at S.No. 10 |
| | | GEG8101T | DSE | Cultural Geography | 4 | 0 | 0 | 0 | 0 | 4 | 20 | 80 | 100 | |
| 11 | | GEG8002P | DCC | Lab III - Basics of Remote Sensing & Geographical Information System (include Aerial Photography) | 0 | 0 | 4 | 0 | 0 | 4 | 20 | 80 | 100 | |
| 12 | | GEG8003P | DCC | Lab IV - Representation of Geographical Data through Maps | 0 | 0 | 4 | 0 | 0 | 4 | 20 | 80 | 100 | |
| AFTER II SEMESTER THE STUDENT MAY CHOOSE TO EXIT AND S/HE WILL BE AWARDED A POST GRADUATE (PG) DIPLOMA IN GEOGRAPHY | | | | | | | | | | | | | | |
| After Completing Semester III & IV , The Student Will Exit with a Post Graduate (PG) Degree in Geography. | | | | | | | | | | | | | | |

Note:

Course Categories : DCC – Discipline Centric Core ; DSE – Discipline Specific Elective ; GEC – Generaic Elective Course (Open to be opted by students of other disciplines too.)

Course Delivery : L – Lecture; P – Practical ; T – Tutorial ; S/O – Seminar / Other

Contact Hours : Lecture - 1 Credit = 1 Hour/ Week

Practical - 1 Credit = 2 Hours / Week

3.0 SCHEME OF EXAMINATION

The Continuous Assessment (CA) procedure will be followed which contains the two components

- (1) The Internal Examination (IE), and
- (2) The End of Semester Examination (EoSE).

Letter grades in both components will contribute to the final grade. Credit points in a Course/Subject will be assigned only if, the student obtains **at least a P grade** in IE and EoSE examination of a Course/Subject.

In order to appear in the EoSE:

- The students must have 75% attendance.
- Relaxation to the students participating in the sports, co-curricular, cultural, NCC, NSS and any other similar activity approved by the Dean/Principal/Director/Head shall be permissible as per the rules given in information bulletin.
- The student must have appeared in the Internal Test and obtained **at least the P grade** in the course/subject.

Students have to independently pass in the internal examination of each paper. The Internal Examinations will be conducted by the respective teaching faculty. The Principal/ Head of the Department may assign the responsibility to any other faculty if required.

The marks awarded in the Internal Examination shall not be counted to calculate and award the final score, SGPA and the CGPA.

3.1 Internal Examination (Internal Test + Internal Assessment) (20 Marks)

The maximum marks of each paper shall be 20. The minimum passing marks shall be 8. It will consists of two parts; a **Test (10 Marks)** and an **Internal Assessment (10 Marks)**.

Internal Test (10 Marks)

- The Internal Test for **Theory and Practical Courses** shall be based on the Course content. It will contain 10 questions including MCQs (Multiple Choice Questions), True/ False, one word answer type questions.
- The Internal Test for Theory Courses may be administered electronically / in hard copy. The faculty shall maintain a record of the answer sheets of the students (electronic / hardcopy) as per University norms.

- The Internal Test for Laboratory/ Practical Courses shall be administered **physically**. The faculty shall maintain a record of the answer sheets of the students as per University norms.
- The time allowed for Internal Test shall be **01 Hour for both Theory and Practical Courses**.

Internal Assessment (10 Marks)

- *Theory Courses* : Internal Assessment shall be of **maximum 10 marks**. This part shall be based on the performance of students in the assignments/ Seminars/quiz etc. In case of assignments, the teacher will **give at least five assignments distributed over the entire course contents**. These will be submitted by the students to the teacher for evaluation as per the schedule decided by the faculty concerned.

The nature and type of activities / assignments may be decided by the teaching faculty in alignment with specific requirements of the respective Course. Activities relating to enhancing presentation/ communication skills of the students must also be included in the Internal Assessment.

The faculty shall maintain a record of the assignments of the students (electronic / hardcopy) as per University norms.

- *Laboratory/ Practical Courses* : In Laboratory/Practical papers internal assessment shall be done **on the basis of lab/ field activity**. The students will be assigned **04 lab exercises / field activities/ computer based activities** (as per the nature of the Course) aligned with the contents of the Course. The students will be required to **attempt any 02 of the 04 exercises/ activities**.
- The time allowed for Internal Assessment shall be **01 Hour for Practical Courses. The assessment will be held immediately after the Internal Test of the respective Course**.

3.2 End of Semester Examination (80 Marks)

Theory Courses/ Papers

A template of the question paper of theoretical courses has been displayed in the following table. The same pattern shall be followed for all theory papers.

| The template of EoS examination of theory papers. | | |
|--|-----------------------|-----------------------|
| Duration : 3.00 Hour | Max. Marks: 80 | Min. Marks: 32 |
| SECTION-A (Answer all questions, Each question is of 2 marks) (Two very short answer type questions within the limit of 50 words shall be asked from each unit without any internal choice) Marks: 10 x2=20 | | |
| Q. 1 | | |
| (a) | | |
| (b) | | |
| (c) | | |
| (d) | | |
| (e) | | |
| (f) | | |
| (g) | | |
| (h) | | |
| (i) | | |
| (j) | | |
| SECTION-B (Answer all questions, Each question is of 8 marks) (Five Long Answer type questions to be answered within the limit of 250 words each, shall be asked from each unit with internal choice) Marks: 5x8=40 | | |
| Q. 2 | | |
| OR | | 8 Marks |
| Q. 3 | | |
| Q. 4 | | |
| OR | | 8 Marks |
| Q. 5 | | |
| Q. 6 | | |
| OR | | 8 Marks |
| Q. 7 | | |
| Q. 8 | | |
| OR | | 8 Marks |
| Q.9 | | |
| Q. 10 | | |
| OR | | 8 Marks |
| Q. 11 | | |
| SECTION-C | | |

| | |
|---|----------|
| (Answer any two questions, Each question is of 10 marks) (Four Long Answer type questions to be answered within 350 words each, shall be asked without internal choice. A question can have only two sub-divisions) Marks: 2x10=20 | |
| Q. 12 | 10 Marks |
| Q. 13 | 10 Marks |
| Q. 14 | 10 Marks |
| Q. 15 | 10 Marks |

Practical Courses/ Papers

Maximum Marks-80

The distribution of 80 marks will be as follows :

| | | |
|-----------------|---|----------|
| A. Lab exercise | - | 45 Marks |
| B. Record Work | - | 25 Marks |
| C. Viva-voce | - | 10 Marks |

A. Lab exercise – 45 marks

Practical exercise shall be of three hours duration and candidates will be required to attempt any 3 exercises out of 5 exercises.

B. Record work – 25 marks

- (i) Record work must strictly follow the exercises mentioned in the Syllabus using recent relevant data from secondary (preferably Government) sources. The minimum number of sheets must be 20 (unless specified otherwise in the syllabus) drawn on one fourth of a full drawing sheet with methodological and analytical interpretation of the tool/method on corresponding lined sheet.
- (ii) For Courses including conduct of Field Work/ Survey Camp, 10 marks out of 25 marks of the record work shall be assigned on the basis of performance in the field work. The same shall be applicable for **Course Code GEG8003P in this scheme.**

C. Viva-Voce - 10 marks

The entire End of Semester examination shall be conducted by the External examiner in consultation with the Internal Examiner.