



UNIVERSITY OF CALCUTTA

Notification No. CSR/85/2025

It is notified for information of all concerned that in terms of the provisions of Section 54 of the Calcutta University Act, 1979, (as amended), and, in the exercise of his powers under 9(6) of the said Act, the Vice-Chancellor has, by an order dated 18.11.2025 approved the new revised Course Structure for 4-year Honours & Honours with Research and 3-year MDC of Geography, under CCF 2022.

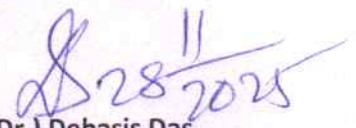
The above shall take effect from the Odd semester examinations, 2025 and onwards.

Detail Syllabus is Published under CSR/22/2023, dt. 02.08.2023.

SENATE HOUSE

Kolkata-700073

28.11.2025


Prof.(Dr.) Debasis Das

Registrar



Curriculum & Credit Framework for Undergraduate Courses in Geography

v.2

TO BE EFFECTIVE FROM THE



University of Calcutta

Curriculum & Credit Framework for Undergraduate Courses in Geography under National Education Policy of 2020

INTRODUCTION: In compliance with directives on the Curriculum & Credit Framework from the University Grants Commission, the undergraduate syllabus for Geography is reframed under the National Education Policy of 2020. In a major deviation from its previous versions, the current syllabus uniquely caters to the students' requirement of education levels that would help them to balance between their professional and educational ambitions.

The four-year curriculum has four exit options that are hierarchically related to the level of education at the end of second, fourth, sixth, and eighth semesters — i.e., at the completion of the first, second, third, and fourth years of the course. These would relate to the award of • certificates, • diplomas, • BA/BSc degrees, • BA/BSc with honours degrees and BA/BSc honours with research degrees respectively. The course provides an opportunity to do research in the final year (Semester-7 & 8) to the meritorious students.

This new curriculum of Geography is designed to give the students a holistic understanding of the subject at every year of exit, putting equal weightage to the core content and techniques used in Geography. The syllabus also tried to give equal importance to the two main branches of Geography: Physical and Human. The principal goal of the syllabus is to enable the students to secure a job at the end of the undergraduate programme. Keeping this in mind and in tune with the changing nature of Geography, adequate emphasis is rendered on applied aspects of the subject such as emerging techniques of mapping and field-based data generation, especially in the honours course.

LEARNING OUTCOMES: The syllabus is designed to impart basic knowledge on geography as a spatial science and train the undergraduates to secure employment in the sectors of geospatial analysis, development and planning, mapping, and surveying.

Contents

Curriculum Structure	v
Papers & Courses.....	v
Papers & Credits: Major(M) Course	vi
Papers & Credits: Multidisciplinary (MD) Course.....	viii
Discipline-specific Course: MAJOR (GEOM-DSCC)	Error! Bookmark not defined.
GEOM-DSCC-1-Th– Physical Geography	Error! Bookmark not defined.
GEO M- DSCC-1-P – Physical Geography Lab.....	Error! Bookmark not defined.
GEO-M- DSCC-2-Th – Human Geography	Error! Bookmark not defined.
GEOM-DSCC-2-P – Human Geography Lab.....	Error! Bookmark not defined.
GEOM-DSCC-3-Th – Geotectonics	Error! Bookmark not defined.
GEOM-DSCC-3-P – Geotectonics Lab.....	Error! Bookmark not defined.
GEOM-DSCC-4-Th – Economic Geography	Error! Bookmark not defined.
GEOM-DSCC-4-P – Economic Geography Lab.....	Error! Bookmark not defined.
GEOM-DSCC-5-Th – Geomorphology	Error! Bookmark not defined.
GEOM-DSCC-5-P – Geomorphology Lab.....	Error! Bookmark not defined.
GEOM-DSCC-6-Th – Climatology	Error! Bookmark not defined.
GEOM-DSCC-6-P – Climatology Lab.....	Error! Bookmark not defined.
GEOM-DSCC-7-Th –Social Geography	Error! Bookmark not defined.

GEOM-DSCC-7-P –Social Geography Lab	Error! Bookmark not defined.
GEOM-DSCC-8-Th – Cartographic Techniques.....	Error! Bookmark not defined.
GEOM-DSCC-8-P – Cartographic Techniques Lab	Error! Bookmark not defined.
GEOM-DSCC-9-Th – Hydrology and Oceanography.....	Error! Bookmark not defined.
GEOM-DSCC-9-P – Hydrology and Oceanography Lab	Error! Bookmark not defined.
GEOM-DSCC-10-Th – Cultural and Settlement Geography.....	Error! Bookmark not defined.
GEOM-DSCC-10-P – Cultural and Settlement Geography Lab	Error! Bookmark not defined.
GEOM-DSCC-11-Th – Hazard Management.....	Error! Bookmark not defined.
GEOM-DSCC-11-Tu – Hazard Management Report.....	Error! Bookmark not defined.
GEOM-DSCC-12-Th – Thematic Mapping and Surveying.....	Error! Bookmark not defined.
GEOM-DSCC-12-P – Thematic Mapping and Surveying Lab	Error! Bookmark not defined.
GEOM-DSCC-13-Th – Soil and Biogeography.....	Error! Bookmark not defined.
GEOM-DSCC-13-P – Soil and Biogeography Lab	Error! Bookmark not defined.
GEO-M-DSCC-14-Th – India and West Bengal	Error! Bookmark not defined.
GEOM-DSCC-14-P – India and West Bengal Lab	Error! Bookmark not defined.
GEOM-DSCC-15-Th – Remote Sensing, GIS, and GNSS	Error! Bookmark not defined.
GEOM-DSCC-15-P – Remote Sensing, GIS, and GNSS Lab	Error! Bookmark not defined.
GEOM-DSCC-16-Th – Philosophy of Geography	Error! Bookmark not defined.
GEOM-DSCC-16-P – Philosophy of Geography Lab.....	Error! Bookmark not defined.
GEOM-DSCC-17-Th – Resource Geography	Error! Bookmark not defined.
GEOM-DSCC-17-Pr– Resource Geography Lab	Error! Bookmark not defined.
GEOM-DSCC-18-Th – Environmental Issues in Geography.....	Error! Bookmark not defined.
GEOM-DSCC-18-P– Environmental Issues in Geography Lab	Error! Bookmark not defined.
GEOM-DSCC-19-Th – Statistical Methods in Geography	Error! Bookmark not defined.
GEOM-DSCC-19-P – Statistical Methods in Geography Lab.....	Error! Bookmark not defined.
GEOM-DSCC-20-Th – Regional Development and Planning	Error! Bookmark not defined.
GEOM-DSCC-20-P – Regional Development and Planning Lab.....	Error! Bookmark not defined.
GEOM-DSCC-21-Th – Research Methodology-I	Error! Bookmark not defined.
GEOM-DSCC-21-P –Research Methodology-I Lab	Error! Bookmark not defined.
GEOM-DSCC-22-Th – Research Methodology-II	Error! Bookmark not defined.
GEOM-DSCC-22-P – Research Methodology-II Lab	Error! Bookmark not defined.
GEOM-DSCC-23-Th – Research Internship (HR) /Population and Welfare Geography (H).....	Error! Bookmark not defined.
GEOM-DSCC-23-P – Research Internship Lab (HR)/Population and Welfare Geography Lab (H)	Error! Bookmark not defined.
GEOM-DSCC-24-Th – Field-Based Dissertation (HR) / Historical and Political Geography (H).	Error! Bookmark not defined.
GEOM-DSCC-24-P/Tu – Field-Based Dissertation (HR) / Historical and Political Geography Report (H)	Error! Bookmark not defined.
GEOM-DSCC-25-Th – Field-Based Dissertation (HR) / Fieldwork (H)	Error! Bookmark not defined.
GEOM-DSCC-25-P/Tu – Field-Based Dissertation (HR) Fieldwork Report (H)	Error! Bookmark not defined.

Discipline-specific Course: Multidisciplinary (MGEO-CC) Error! Bookmark not defined.

MGEO-CC-1-Th– Physical Geography	Error! Bookmark not defined.
MGEO-CC-1-P – Physical Geography Lab.....	Error! Bookmark not defined.
MGEO-CC-2-Th – Human Geography	Error! Bookmark not defined.
MGEO-CC-2-P – Human Geography Lab	Error! Bookmark not defined.
MGEO-CC-3-Th – Economic Geography.....	Error! Bookmark not defined.
MGEO-CC-3-P – Economic Geography Lab	Error! Bookmark not defined.
MGEO-CC-4-Th – Geomorphology.....	Error! Bookmark not defined.
MGEO-CC-4-P – Geomorphology Lab	Error! Bookmark not defined.
MGEO-CC-5-Th – Climatology.....	Error! Bookmark not defined.
MGEO-CC-5-P – Climatology Lab	Error! Bookmark not defined.
MGEO-CC-6-Th –Cultural and Settlement Geography.....	Error! Bookmark not defined.
MGEO-CC-6-P –Cultural and Settlement Geography Lab	Error! Bookmark not defined.
MGEO-CC-7-Th –Hydrology and Oceanography.....	Error! Bookmark not defined.
MGEO-CC-7-P – Hydrology and Oceanography Lab	Error! Bookmark not defined.
MGEO-CC-8-Th – India and West Bengal.....	Error! Bookmark not defined.
MGEO-CC-8-P – India and West Bengal Lab	Error! Bookmark not defined.

Skill Enhancement Course (SEC) & Interdisciplinary Course (IDC) Error! Bookmark not defined.

GEOM-SEC-1-Th/MGEO-SEC-1/2/3-Th – Methods in Geography..... **Error! Bookmark not defined.**

GEOM-SEC-3-Th – Environmental Impact Assessment and Environmental Management Planning**Error! Bookmark not defined.**

GEOD-IDC-1/2/3-Th – Geomatics and Spatial Analysis..... **Error! Bookmark not defined.**

GEOD-IDC-1/2/3-P – Geomatics and Spatial Analysis Lab **Error! Bookmark not defined.**

Curriculum Structure: Papers & Courses

For 4year Hons & Hons with Research Course and Major& Minor Papers: 25DSCC-Major &3 SEC Papers in 8 Semesters ¹ 4 Minor (MN) Papers in 6 Semesters ²	For Multidisciplinary CC& Minor Papers: 8CC &1 SEC in 6 Semesters ³ 6 Minor (MN)&1 SEC In 6 Semesters ⁴	Semesters				Subjects / Sub-disciplines: 25 DSCC-Major &3 SEC Papers in 8 Semesters ¹ 4 Minor (MN) Papers in 6 Semesters ² 8 CC &1 SEC Papers in 6 Semesters(MDC) ³ 6Minor (MN) &1 SEC Papers in 6 Semesters	Paper Components: Th / P / Tu *	
		GEOM-DSCC ¹	MGEO-MN ²	MGEO-CC ³	MGEO-MN ⁴			
GEOM-DSCC-1	MGEO-CC-1	1	1/3	1	3	Physical Geography	Th	P
GEOM-DSCC-2	MGEO-CC-2	2	2/4	2	4	Human Geography	Th	P
GEOM-DSCC-3	—	3	—	—	—	Geotectonics	Th	P
GEOM-DSCC-4	MGEO-CC-3	3	5/6	3	5	Economic Geography	Th	P
GEOM-DSCC-5	MGEO-CC-4	4	5/6	4	5	Geomorphology	Th	P
GEOM-DSCC-6	MGEO-CC-5	4	—	4	6	Climatology	Th	P
GEOM-DSCC-7	—	4	—	—	—	Social Geography	Th	P
GEOM-DSCC-8	—	4	—	—	—	Cartographic Techniques	Th	P
GEOM-DSCC-9	MGEO-CC-7	5	—	5/6	-	Hydrology and Oceanography	Th	P
GEOM-DSCC-10	MGEO-CC-6	5	—	5	6	Cultural and Settlement Geography	Th	P
GEOM-DSCC-11	—	5	—	—	—	Hazard Management	Th	Tu
GEOM-DSCC-12	—	5	—	—	—	Thematic Mapping and Surveying	Th	P
GEOM-DSCC-13	—	6	—	—	—	Soil and Biogeography	Th	P
GEOM-DSCC-14	MGEO-CC-8	6	—	6	—	India and West Bengal	Th	P
GEOM-DSCC-15	—	6	—	—	—	Remote Sensing, GIS, and GNSS	Th	P
GEOM-DSCC-16	—	7	—	—	—	Philosophy of Geography	Th	P
GEOM-DSCC-17	—	7	—	—	—	Resource Geography	Th	P
GEOM-DSCC-18	—	7	—	—	—	Environmental Issues in Geography	Th	P
GEOM-DSCC-19	—	7	—	—	—	Statistical Methods in Geography	Th	P
GEOM-DSCC-20	—	7	—	—	—	Regional Development and Planning	Th	P
GEOM-DSCC-21	—	8	—	—	—	Research Methodology-I	Th	P
GEOM-DSCC-22	—	8	—	—	—	Research Methodology-II	Th	P
GEOM-DSCC-23	—	8	—	—	—	Research Internship(HR)/ Population and Welfare Geography (H)	Th	P
GEOM-DSCC-24	—	8	—	—	—	Field-Based Dissertation (HR)/Historical and Political Geography (H)	Th	P/ Tu
GEOM-DSCC-25	—	8	—	—	—	Field-Based Dissertation (HR) /Fieldwork (H)	Th	P
GEOM-SEC-1	MGEO-SEC-1	1		1/2/3		Methods in Geography	Th	--
GEOM-SEC-3		3	—	—	—	EIA and EMP	Th	--
GEOD-IDC-1	GEOD-IDC-1	1/2/3		1/2/3		Geomatics and Spatial Analysis	Th	P

* Paper Components – Marks, credits & number of periods to be allotted

Th : Theory – 75 Marks / 3 Credits (DSCC/CC/Minor), 50marks/2 Credits(IDC Papers) & 100 Marks / 4 Credits (SEC Papers): 45 & 60 periods

P : Practical –25 Marks / 1 Credit: 30 Periods (DSCC/CC/Minor/IDC); **Tu**: Tutorial–25 Marks / 1 Credit: 30 Periods

H: Honours Courses,**HR**: Honours with Research Course

Papers & Credits: Major (M) Course

Semester ↓	DSCC/Core Course	Minor Course	Interdisciplinary Course (IDC) ⁴	Ability Enhancement Course (AEC)	Skill Enhancement Course (SEC)	Common Value- Added Course (CVAC)	Summer internship	Dissertation / Research work	Total Credit (incl 2nd Minor course) ²
	25 papers × 4 credits = 100 credits*	8 papers × 4 credits = 32 credits	3 papers × 3 credits = 9 credits	4 papers × 2 credits = 8 credits	3 papers × 4 credits = 12 credits	4 papers × 2 credits = 8 credits	1 paper × 3 credits = 3 credits		172
1	GEOM-DSCC-1-Th & P Physical Geography	MGEO-MN-1-Th & P ² Physical Geography (as 1st minor subject)	GEOD-IDC-1/2/3-Th & P Geomatics and Spatial Analysis	1 × 2 = 2 From central pool	GEOM-SEC-1-Th Methods in Geography	2 × 2 = 4 From central pool	—	—	21
2	GEOM-DSCC-2-Th & P Human Geography	MGEO-MN-2-Th & P ² Human Geography (as 1st minor subject)	1 × 3 = 3 From central pool	1 × 2 = 2 From central pool	1 × 4 = 4 From central pool	2 × 2 = 4 From central pool	Summer Internship to be completed by students exiting after Semester-2	—	21
3	GEOM-DSCC-3-Th & P Geotectonics	MGEO-MN-1-Th & P ² Physical Geography (as 2nd minor subject)	1 × 3 = 3 From central pool	1 × 2 = 2 From central pool	GEOM-SEC-3-Th EIA & EMP	—	—	—	21
	GEOM-DSCC-4-Th & P Economic Geography								
4	GEOM-DSCC-5-Th & P Geomorphology	MGEO-MN-2-Th & P ² Human Geography (as 2nd minor subject)	—	1 × 2 = 2 From central pool	—	—	Summer Internship to be completed by students exiting after Semester-4	—	22
	GEOM-DSCC-6-Th & P Climatology								
	GEOM-DSCC-7-Th & P Social Geography								
	GEOM-DSCC-8-Th & P Cartographic Techniques								
5	GEOM-DSCC-9-Th & P Hydrology and Oceanography	MGEO-MN-3--Th & P Economic Geography ³	—	—	—	—	—	—	24
	GEOM-DSCC-10-Th & P Cultural and Settlement Geography								
	GEOM-DSCC-11-Th & P Hazard Management								
	GEOM-DSCC-12-Th & P Thematic Mapping and Surveying								

- NOTES: 1. **Degree Options:** • All candidates are to complete eight semesters of study for BA/BScHonours degree (172 credits). • Candidates obtaining $\geq 75\%$ of total credits/marks at the end of Semester 6 may opt for pursuing BA/ BScHonours with Research degree — see notes in Semester-7 and -8 rows in the next page.
2. Two minor subjects (m1/m2) are to be selected from the central pool for Geography Honours students. For students with honours in other subjects, Geography may be chosen as the 1st or 2nd minor subject. If Geography is opted as 1st minor subject, both MGEO-MN-1& 2 are to be taught in Semesters 1 & 2, and if Geography is opted as 2nd minor subject, both MGEO-MN-1& 2 are to be taught in Semesters 3 & 4.
3. For 4-year B.A./ B.Sc.--Honours & Honours with Research students, Minor, both MGEO-MN-3 & 4 are to be completed either in Semester-5 or in Semester-6
4. Three IDC papers are to be selected from a pool of subjects. A selected paper — e.g., 'Geomatics and Spatial Analysis' — can be taken in any of the Semesters 1, 2, and 3.

Semester ↓	DSCC /Core Course	MINOR Course	Interdisciplinary Course (IDC)	Ability Enhancement Course(AEC)	Skill Enhancement Course (SEC)	Common Value Added Course (CVAC)	Summer internship (SI)	Dissertation / Research work	Total Credit (incl 2 nd Minor course) ²
6	GEOM-DSCC-13-Th & P Soil and Biogeography	MGEO-MN-3--Th & P PEconomic Geography ³	—	—	—	—	Summer Internship to be completed by students exiting after Semester-6	—	23
	GEOM-DSCC-14-Th & P India and West Bengal								
	GEOM-DSCC-15-Th & P RS, GIS, and GNSS	MGEO-MN-4-Th & P Geomorphology ³							
7	GEOM-DSCC-16-Th & P Philosophy of Geography	—	—	—	—	—	—		20
	GEOM-DSCC-17-Th & P Resource Geography								
	GEOM-DSCC-18-Th & P Environmental Issues in Geography								
	GEOM-DSCC-19-Th & P Statistical Methods in Geography								
	GEOM-DSCC-20-Th & P Regional Development and Planning								
8	GEOM-DSCC-21-Th & P Research Methodology-I	—	—	—	—	—	—	*For Honours with Research (HR) Students, DSCC-24 & DSCC-25 will be considered as a single paper of 8 Credits for assessment purpose (6 credits for evaluation of dissertation and 2 credits for viva-voce)	20
	GEOM-DSCC-22-Th & P Research Methodology-II								
	GEOM-DSCC-23-Th & P Research Internship (HR)/Population and Welfare Geography (H)								
	GEOM-DSCC-24-Th & P/Tu *Field-Based Dissertation (HR) / Historical and Political Geography (H)								
	GEOM-DSCC-25-Th & P *Field-Based Dissertation (HR) / Fieldwork (H)								
Credits	25 × 4 = 100 *	8 × 4 = 32	3 × 3 = 9	4 × 2 = 8	3 × 4 = 12	4 × 2 = 8	1 × 3 = 3	*Credits and Marks computed within DSCC Major	172
Marks	25 × 100 = 2500*	8 × 100 = 800	3 × 75 = 225	4 × 50 = 200	3 × 100 = 300	4 × 50 = 200	1 × 75 = 75		Total Marks: 4300

Papers & Credits: Multidisciplinary (MD) Course¹

Semester ↓	CC Course (Core) ²	Minor Course (MN) ²	Interdisciplinary Course (IDC) ³	Ability Enhancement Course (AEC)	Skill Enhancement Course (SEC) ⁴	Common Value Added Course (CVAC)	Summer internship ⁵	Total Credit ²
	8 papers × 4 credits = 32 credits	6 papers × 4 credits = 24 credits	3 papers × 3 credits = 9 credits	4 papers × 2 credits = 8 credits	3 papers × 4 credits = 12 credits	4 papers × 2 credits = 8 credits	1 paper × 3 credits = 3 credits	128
1	MGEO-CC-1-Th & P Physical Geography	—	GEOD-IDC-1-Th & P Geomatics and Spatial Analysis	1 × 2 = 2 From central pool	MGEO-SEC-1-Th Methods in Geography	2 × 2 = 4 From central pool	—	21
2	MGEO-CC-2-Th & P Human Geography	—	1 × 3 = 3 From central pool	1 × 2 = 2 From central pool	1 × 4 = 4 From the CC and minor selected	2 × 2 = 4 From central pool	Summer Internship to be completed by students exiting after Semester-2	21
3	MGEO-CC-3-Th & P Economic Geography	MGEO-MN-1-Th & P Physical Geography	1 × 3 = 3 From central pool	1 × 2 = 2 From central pool	1 × 4 = 4 From the CC and minor selected	—	—	21
4	MGEO-CC-4-Th & P Geomorphology	MGEO-MN-2-Th & P Human Geography	—	—	—	—	Summer Internship to be completed by students exiting after Semester-4	22
	MGEO-CC-5-Th & P Climatology							
5	MGEO-CC-6-Th & P Cultural and Settlement Geography ⁷	MGEO-MN-3-Th & P Economic Geography	—	—	—	—	—	20
	MGEO-CC-7-Th & P Hydrology and Oceanography ⁶	MGEO-MN-4-Th & P Geomorphology						
6	MGEO-CC-7--Th & P Hydrology and Oceanography ⁶	MGEO-MN-5-Th & P Climatology	—	—	—	—	Summer Internship to be completed by students exiting after Semester-6	
	MGEO-CC-8--Th & P India and West Bengal	MGEO-MN-6-Th & P Cultural and Settlement Geography						
Credits	8 × 4 = 32	6 × 4 = 24	3 × 3 = 9	4 × 2 = 8	3 × 4 = 12	4 × 2 = 8	3	128*
Marks	8 × 100 = 800	6 × 100 = 600	3 × 75 = 225	4 × 50 = 200	3 × 100 = 300	4 × 50 = 200	—	3200

NOTES: 1. Exit Options: • At the end of Semester 2 for award of Certificate (45 credits). • At the end of Semester 4 for the award of Diploma (88 credits). • At the end of Semester 6 for award of BA/BSc Degree (128 credits).

2. Geography may be selected as one of the two CC (Core) subjects (eight papers: CC-1 or CC-2) or as a minor (six papers: Mn).

3. Three IDC papers are to be selected from a pool of subjects. A selected paper — e.g., 'Geomatics and Spatial Analysis' — can be taken in any of the Semesters 1, 2, and 3.

4. Three different SEC papers are to be taken in Semester-1, -2, or -3 against the two CC and one minor subjects

5. The 3-credit Summer Internship is to be completed by the end of Semester 2, 4, and 6 for the students opting for Certificate Course, Diploma Course, and BA/BSc Degree Course, respectively.

6. If Geography is selected as CC-2 subject, MGEO-CC-7 is to be studied in Semester 6 besides MGEO-CC-8

7. If Geography is selected as CC-1 subject, MGEO-CC-6 is to be studied in Semester 5 besides MGEO-CC-7 and, MGEO-CC-8 is to be studied in semester-6

* For MDC courses, 32 credits will be added to the total credits for another CC subject. Abbreviations: Th: Theory; P: Practical

