VIDYASAGAR UNIVERSITY

Midnapore, West Bengal

PROPOSED CURRICULUM & SYLLABUS (DRAFT) OF

BACHELOR DEGREE WITH GEOGRAPHY

(MULTIDISCIPLINARY STUDIES)

3-YEAR UNDERGRADUATE PROGRAMME

(w.e.f. Academic Year 2023-2024)

Based on

Curriculum & Credit Framework for Undergraduate Programmes

(CCFUP), 2023 & NEP, 2020

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VIDYASAGAR UNIVERSITY

BACHELOR DEGREE IN MULTIDISCIPLINARY STUDIES with GEOGRAPHY

(*Under CCFUP, 2023*)

Level	YR.	SEM	Course Type	Course Code	Course Title	Credit	L-T-P	Marks		
								CA	ESE	TOTAL
B.Sc. in Physical Sc. / B.A. in Social Science with Geography	2nd		**SEMESTER-III**							
		III	Major-A2	GEOPMJ02	**T: Human Geography** *(To be studied by students taken Geography as Discipline- A)*	4	3-1-0	15	60	75
			Major-A3	GEOPMJ03	**T: Contemporary Environmental Issues** *(To be studied by students taken Geography as Discipline- A)*	4	3-1-0	15	60	75
			SEC	SEC03	*To be taken from SEC-03 of Discipline C.*	3	0-0-3	10	40	50
			AEC	AEC03	Communicative English-2 (***common for all programmes***)	2	2-0-0	10	40	50
			MDC	MDC03	Multidisciplinary Course-3 (***to be chosen from the list***)	3	3-0-0	10	40	50
			Minor-3 (Disc.-C3)	GEOMIN03	**T: Contemporary Environmental Issues;** *(To be studied by students taken Geography as Discipline- C)*	4	3-1-0	15	60	75
					Semester-III Total	20				375
		IV	**SEMESTER-IV**							
			Major-B2		*To be decided (Same as MajorA2 for Geography taken as Discipline-B)*	4	3-1-0	15	60	75
			Major-B3		*To be decided (Same as Major–A3 for Geography taken as Discipline-B)*	4	3-1-0	15	60	75
			Major (Elective) -1	GEOMJE-01	**P: Techniques in Geography (Practical)** *(To be studied by students taken Geography as Discipline- A)*	4	0-0-4	15	60	75
			AEC	AEC04	MIL-2 (***common for all programmes***)	2	2-0-0	10	40	50
			Minor -4 (Disc.-C4)	GEOMIN04	**P: Techniques in Geography (Practical)** *(To be studied by students taken Geography as Discipline- C)*	4	0-0-4	15	60	75
			Summer Intern.	IA	Internship / Apprenticeship- **activities to be decided by the Colleges following the guidelines to be given later**	4	0-0-4	-	-	50
					Semester-IV Total	22				400
					TOTAL of YEAR-2	42	-	-	-	775

MJP = Major Programme (Multidisciplinary), MI = Minor, A/B = Choice of Major Discipline; C= Choice of Minor Discipline; SEC = Skill Enhancement Course, AEC = Ability Enhancement Course, MDC = Multidisciplinary Course, CA= Continuous Assessment, ESE= End Semester Examination, T = Theory, P= Practical, L-T-P = Lecture-Tutorial-Practical, MIL = Modern Indian Language

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MAJOR (MJ)

MJ A2/B2: Human Geography — Credits 04 (FM: 75)

Course Objective

1. Various dimensions of human geography and cultural landscape.
2. Detailed analysis of population growth and distribution.
3. Understanding of the relationship between population and resource.

Course Learning Outcomes

After the completion of course, the students will have ability to:

1. Know the changing human and cultural landscape at different levels.
2. Understand patterns and processes of population growth and its implications.
3. Appreciate the nature and quality of human landscapes.

MJ A2/B2T: Human Geography — Credits 04 [60L]

Course contents:

1. Definition, Nature, Major Subfields, Contemporary Relevance.
2. Space and Society: Cultural Regions; Race; Religion and Language
3. Population: Population Growth and Demographic Transition Theory.
4. World Population Distribution and Composition (Age, Gender and Literacy).
5. Settlements: Types and Patterns of Rural Settlements; Classification of Urban Settlements; Trends and Patterns of World Urbanization

Suggested Readings:

1. Chandna, R.C. (2010) Population Geography, Kalyani Publisher.
2. Daniel, P.A. and Hopkinson, M.F. (1989), The Geography of Settlement, Oliver & Boyd, London.
3. Johnston R; Gregory D, Pratt G. et al. (2008) The Dictionary of Human Geography, Blackwell Publication.
4. Jordan-Bychkov et al. (2006) The Human Mosaic: A Thematic Introduction to Cultural Geography. W. H. Freeman and Company, New York.
5. Ghosh, S. (2015) Introduction to settlement geography. Orient Black Swan Private Ltd., Kolkata
6. Hussain, Majid (2012) Manav Bhugol. Rawat Publications, Jaipur

MJ A3/B3: Contemporary Environmental Issues — Credits 04 (FM: 75)

Course Objective:

This course is designed to sketch an overall idea of contemporary environmental issues which are also attached to some of the key social issues. It includes the topics of climate change, pollution, human health, migration and gender-climate nexus. The objectives of the course are -

1. To build an overview of the environmental issues, especially focusing on the climate change related issues.
2. To unreveal the nexus between climate change and gender and migration

Course Learning Outcomes

Upon completion of this course, the students will be able to learn -

1. Some basic idea of climate change science and climate change related adaptation policies.
2. Some fundamentals of environmental pollution and its effect on human health.
3. The basics of climate change driven crises: miration and gender issues

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MJ A3/B3 T: Contemporary Environmental Issues Credits 04

Course contents:

1. Climate change: basic science and global scenario of climate change.
2. Climate change mitigation and adaptation policy
3. Pollution and environmental degradation, effect on human health with reference to air, water, soil and plastic.
4. Environmental refugee: migration-climate nexus.
5. Gender and climate change

Suggested Readings:

1. IISD, UNITAR & UNEP (2009). IEA Training Material: Vulnerability and Climate Change Impact Assessment for Adaptation. (link)
2. IPCC (2013). Climate Change 2013. The Physical Science Basis - Summary for Policymakers.
3. OECD (2009): Guidance on Integrating Climate Change Adaptation into Development Co-operation. (link)
4. UNEP (2009). Climate Change Science Compendium. (link)
5. UNEP (2009). Climate in Peril, a Popular Guide to the Latest IPCC Report. (link)
6. UNEP & UNDP (2011). Mainstreaming Climate Change Adaptation into Development Planning: A Guide for Practitioners. (link)
7. Global Gender and Climate Alliance (2016). Gender and climate change: A closer look at the existing evidence. (link)
8. UN Women watch (2009). Women, gender equality and climate change. (link)
9. Myers, N (2001). Environmental refugees; a growing problem of 21st century. (link)
10. UNCHR, (2022). Climate Change, Displacement and Human Rights. (link)
11. Brookings. (2019). The climate crisis, migration and refugees. (link)
12. VK Ahlualia. (2014). Environmental Pollution and Health. TERI Press, New Delhi, ISBN:9788179934616.
13. Frank R. Spellman. (2021). The science of environmental pollution. ISBN 9781032016832. CRC Press. Boca Raton

Major Elective (MJE)-01: Techniques in Geography Credits 04 (FM: 75)

Course Objective

This course is designed for the students of interdisciplinary studies. The course is designed to get an overview of the basic analytical techniques in geography. It begins with the concept of scale and gradually delve into the modern methods of geospatial analysis using geospatial softwares. The prime objectives of this course are -

1. Develop a comprehensive knowledge of the basic analytical tools of geography.
2. To give an exposure to the Geospatial Analytical tools for analyzing the geographic phenomena.

Course Learning Outcomes

Upon completion of this course, the students will be able to learn -

1. The details of map, scale and some basic idea of surveying techniques.
2. A preliminary working idea of map projection systems.
3. A hands-on experience of GIS environment using software

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Major Elective (MJE)-01 P: Techniques in Geography **Credits 04**

Course Outline:

1. Concepts of scale: linear scale, comparative scale, diagonal scale, vernier scale
2. Topographical map: system of topo map, content and significance of topo map
3. Surveying techniques: dumpy level and theodolite survey basics.
4. Map projection: fundamentals of map projection, developable surface, classification of projection, cylindrical equal area projection, simple conical projection with one standard parallel, polar zenithal projection.
5. Geospatial technology: basics of remote sensing and GIS, sensor resolutions, concept of digital image and image pixel, image interpretation keys, image correction and false color composite, concept of image classification, georeferencing, data models in GIS environment.

Suggested Readings:

1. Sarkar, A. (2015) Practical Geography: A systematic approach. Orient Black Swan Private Ltd., New Delhi
2. Saha P, Basu P. 2010. Advanced Practical Geography. Bookd and Allied Pvt. Ltd. Kolkata
3. John R Jenson. 2013. Remote sensing of the environment: an earth resource perspective, Pearson Education India.
4. George Joseph and C Jeganathan. 2018. Fundamentals of remote sensing (3rd edition), The Orient Blackswan, India.
5. Lillesand, Kiefer, Chipman. 2011. Remote Sensing and Image Interpretation, 6ed (WSE), Wiley, India.
6. John R. Jensen. 2017. Introductory Digital Image Processing: A Remote Sensing Perspective. Pearson Education, India.
7. Change K. 2019. Introduction to Geographic Information Syatem, 9th Edition, McGrawHill Education, US.
8. Kurt Menke. 2022. Discover QGIS 3.x - Second Edition (https://locatepress.com/book/dq32).
9. Scott Madry. 2021. Introduction to QGIS (https://locatepress.com/book/itq) .
10. Kurt Menke, GISP et al. 2016. Mastering QGIS - Second Edition (https://www.packtpub.com/big-data-and-business-intelligence/mastering-qgis-second-edition)
11. Anita Graser and Gretchen N. Peterson. 2016. QGIS Map Design (http://locatepress.com/qmd)
12. Anita Graser. 2016. Learning QGIS - Third Edition (https://www.packtpub.com/big-data-and-business-intelligence/learning-qgis-third-edition)
13. Alexander Bruy, Daria Svidzinsk. 2015. QGIS By Example (https://www.packtpub.com/application-development/qgis-example)
14. Rüdiger Thiede, Tim Sutton, Horst Düster, and Marcelle Sutton. 2013. The QGIS Training Manual - A Comprehensive Introduction to Quantum GIS (http://locatepress.com/qtm)

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MINOR (MI)

MI-3/C3: Same as Minor-3 (GEOMIN03) of Geography (Hons) programme **Credits 04**
Full Marks: 75

MI-4/C4: Same as Minor-4 (GEOMIN04) of Geography (Hons) programme **Credits 04**
Full Marks: 75

SKILL ENHANCEMENT COURSE (SEC)

(To be studied by students taken Geography as Discipline- C)

SEC-03 P: Same as SEC-03 (GEOSEC03) of Geography (Hons) prog. **Credits 03**
Full Marks: 50

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