VIDYASAGAR UNIVERSITY

Midnapore, West Bengal



PROPOSED CURRICULUM & SYLLABUS (DRAFT) OF

BACHELOR OF SCIENCE 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

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	2 nd	V	SEMESTER-V							
			Major-A4	GEOPMJ04	T: Hazards and Disaster Studies (To be studied by students taken Geography as Discipline- A)	4	3-1-0	15	60	75
			Major-A5	GEOPMJ05	T: Economic Geography (To be studied by students taken Geography as Discipline- A)	4	3-1-0	15	60	75
			Major-A6	GEOPMJ06	T: Development Studies in Geography; (To be studied by students taken Geography as Discipline- A)	4	3-1-0	15	60	75
			Major (Elective) -2	GEOMJE-02	T: Political Geography Or Geography of Health and Wellbeing (To be studied by students taken Geography as Discipline- A)	4	3-1-0	15	60	75
			Minor-5 (DiscC5)	GEOMIN05	T: Hazards and Disaster Studies (To be studied by students taken Geography as Discipline- C)	4	3-1-0	15	60	75
			I	1	Semester-V Total	20				375
		VI	SEMESTER-VI							
			Major-B4		To be decided (Same as MajorA4 for Geography taken as Discipline-B)	4	3-1-0	15	60	75
			Major-B4		To be decided (Same as Major-A5 for Geography taken as Discipline-B)	4	3-1-0	15	60	75
			Major-B4		To be decided (Same as Major-A6 for Geography taken as Discipline-B)	4	3-1-0	15	60	75
			Major (Elective) -3	GEOMJE-02	T:; Geoheritage and Geotourism Or Social and Cultural Geography (To be studied by students taken Geography as Discipline- A)	4	3-1-0	15	60	75
			Minor -6 (DiscC6)	GEOMIN06	T: Development Studies in Geography (To be studied by students taken Geography as Discipline- C)	4	3-1-0	15	60	75
				I	Semester-VI Total	20				375
					TOTAL of YEAR-3	40	-	-	-	700
			Eligible to be awarded B. Sc. in Physical Sc. / B.A. in Social Science with Geography on Exit				Marks (ks (Year: I+II+III) 2325		

MJP = Major Programme (Multidisciplinary), MI = Minor, A/B = Choice of Major Discipline; C= Choice of Minor Discipline; CA= Continuous Assessment, ESE= End Semester Examination, T = Theory, P= Practical, L-T-P = Lecture-Tutorial-Practical

VIDYASAGAR UNIVERSITY, PASCHIM MIDNAPORE, WEST BENGAL

MAJOR (MJ)

MJ A4/B4: Hazards and Disaster Studies Credits 04 (FM: 75)

MJ A4/B4T: Hazards and Disaster Studies Credits 04 (60 Lectures)

Course Outcome

After completion of this course students will be able to

- 1. Differentiate between hazard and disaster and geographical perspectives of each disaster
- 2. Nature, distribution and impacts of disasters in India
- 3. Management strategy under institutional framework as well as community based management strategy

Course contents:

- 1. Hazards, Risk, Vulnerability and Disasters: Definition and Concepts.
- Geographical Context of Hazards and Disasters in India: Causes, Impact, Distribution and Mapping: Flood and Drought in reference to the climate extremes. vulnerability and exposure to hazards
- 3. Disasters in India: Causes, Impact, Distribution and Mapping: Earthquake, Landslide and Cyclone.
- 4. Human-induced hazards and disasters: Causes, Impact, of hazards and disasters.
- 5. Response and Mitigation to Disasters: Mitigation and Preparedness, NDMA and NIDM; Indigenous Knowledge and Community-Based Disaster Management; Do's and Don'ts During Disasters

Suggested Readings:

- 1. Government of India. (1997) Vulnerability Atlas of India. New Delhi, Building Materials & Technology Promotion Council, Ministry of Urban Development, Government of India.
- 2. Kapur, A. (2010) Vulnerable India: A Geographical Study of Disasters, Sage Publication, New Delhi.
- 3. Modh, S. (2010) Managing Natural Disaster: Hydrological, Marine and Geological Disasters, Macmillan, Delhi.
- 4. Singh, R.B. (2005) Risk Assessment and Vulnerability Analysis, IGNOU, New Delhi. Chapter 1, 2 and 3
- 5. Singh, R. B. (ed.), (2006) Natural Hazards and Disaster Management: Vulnerability and Mitigation, Rawat Publications, New Delhi.
- 6. Sinha, A. (2001). Disaster Management: Lessons Drawn and Strategies for Future, New United Press, New Delhi.
- 7. Stoltman, J.P. et al. (2004) International Perspectives on Natural Disasters, Kluwer Academic Publications. Dordrecht.
- 8. Singh Jagbir (2007) "Disaster Management Future Challenges and Opportunities", 2007. Publisher- I.K. International Pvt. Ltd. S-25, Green Park Extension, Uphaar Cinema Market, New Delhi, India (www.ikbooks.com).

Course Outcome:

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

- 1. Distinguish different types of economic activities and their utilities.
- 2. Appreciate the factors responsible for the location and distribution of activities.
- 3. Examine the significance and relevance of theories in relation to the location of different economic activities.

MJ A5/B5 T: Economic Geography (Theory)

Credits 04 (60 L)

Credits 04 (FM: 75)

Course contents:

- 1. Meaning and approaches to Economic Geography. Concept of economic activities, Goods and services, production, exchange and consumption, economic man, theories of choices, Economic distance and transport costs
- 2. Factors affecting location of economic activity with special reference to agriculture (Von Thunen), and industry (Weber).
- 3. Primary activities: Subsistence and commercial agriculture (Case studies of tea plantation in India and mixed farming in Europe), forestry, fishing and mining
- 4. Secondary activities: Manufacturing (cotton textile, iron and steel), concept of manufacturing regions, special economic zones and technology parks
- **5.** Tertiary activities: transport, trade and services. Transnational sea-routes, railways and highways with reference to India. International agreements and trade blocs: WTO, BRICS, and OPEC

Suggested Readings

- 1. Siddhartha K. (2018) Economic Geography. Kitab Mahal
- 2. Leong G. C & Morgan GC (1982) Human and economic Geography. Oxford India
- 3. Nag PK (2014) Economic Geography: A study of Resources. New central Book Agency
- 4. Memoria CB (2022) Economic and Commercial Geography of India. Shivalal Agarwala & Company
- 5. Alexander J. W., 1963: Economic Geography, Prentice-Hall Inc., Englewood Cliffs, New Jersey.
- 6. Coe N. M., Kelly P. F. and Yeung H. W., 2007: Economic Geography: A Contemporary Introduction, Wiley-Blackwell.
- 7. Hodder B. W. and Lee Roger, 1974: Economic Geography, Taylor and Francis.
- 8. Combes P., Mayer T. and Thisse J. F., 2008: Economic Geography: The Integration of Regions and Nations, Princeton University Press.
- 9. Wheeler J. O., 1998: Economic Geography, Wiley.
- 10. Durand L., 1961: Economic Geography, Crowell.
- 11. Bagchi-Sen S. and Smith H. L., 2006: Economic Geography: Past, Present and Future, Taylor and Francis.
- 12. Willington D. E., 2008: Economic Geography, Husband Press

MJ A6/B6: Development Studies in Geography

Course Outcomes:

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

- 1. Appreciate the concepts, needs and various approaches to development;
- 2. Understand the economic policies and programmes of rural and urban development in India;
- 3. Appreciate the tenets and goals of sustainable development.

MJ A6/B6 T: Development Studies in Geography (Theory)

Credits 04 (60L)

Credits 04 (FM: 75)

Course contents:

- 1) Concept of development, indicators of development; changing concept of development and underdevelopment; Regional disparities in India
- 2) Rural development strategies in India. Evaluation of the rural development programmes in India: PMGSY, MGNREGA, PMGAY, NRHM
- 3) Urban development: need, principles and methods; challenges and opportunities of urban development
- 4) Urban development programmes in India: JNNURM, AMRUT, Housing for All 2022, Smart city mission, HRIDAY.
- 5) Sustainable development: Definition and components; MDGs, SDGs

Suggested Readings:

- 1. Gilg A. W., 1985: An Introduction to Rural Geography, Edwin Arnold, London.
- 2. Krishnamurthy, J. 2000: Rural Development Problems and Prospects, Rawat Publs., Jaipur
- 3. Lee D. A. and Chaudhri D. P. (eds.), 1983: Rural Development and State, Methuen, London.
- 4. Misra R. P. and Sundaram, K. V. (eds.), 1979: Rural Area Development: Perspectives and Approaches, Sterling, New Delhi.
- 5. Misra, R. P. (ed.), 1985: Rural Development: Capitalist and Socialist Paths, Vol. 1, Concept, New Delhi.
- 6. Palione M., 1984: Rural Geography, Harper and Row, London.
- 7. Rapley, John (2007) Understanding Development: Theory and Practice in the 3rd World. Lynne Rienner, London.
- 8. Baker, Susan (2006) Sustainable Development. Milton Park, Abingdon, Oxon; New York, N.Y.: Routledge. (Chapter 2, "The concept of sustainable development").
- 9. Singh, R.B. (Eds.) (2001) Urban Sustainability in the Context of Global Change, Science Pub., Inc., Enfield (NH), USA and Oxford & IBH Pub., New Delhi
- 10. Stoltman, J.P. et al. (2004) International Perspectives on Natural Disasters, Kluwer Academic Publications. Dordrecht.
- 11. Singh Jagbir (2007) "Disaster Management Future Challenges and Opportunities", 2007. Publisher- I.K. International Pvt. Ltd. S-25, Green Park Extension, Uphaar Cinema Market, New Delhi, India (www.ikbooks.com).

Major Elective

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

Major Elective (MJE)-2:

(Credits 04; FM: 75)

Major Elective -2: Political Geography

Credits 04(Full Marks: 75)

Course Outcomes:

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

- 1. Learn the concept of nation and state and geopolitical theories
- 2. Understand the different dimensions of electoral geography and resource conflicts
- 3. Have sound knowledge of politics of displacement, focusing on dams and SEZ.

MJE-1T: Political Geography (Theory)

Credits 04

Course contents:

- 1. Concept of State, Nation and Nation State. Attributes of State: Frontiers, Boundaries, Enclave and exclave.
- 2. Politics of resources: Oil and water; Inter-state dispute on water resources in India. International water dispute between India and neighbours.
- 3. Geographical basis of Indian federalism; Emergence of states since independence. Electoral Geography: Geography of Voting, Geographic Influences on voting pattern, Gerrymandering
- 4. Geopolitics. Geostrategic theories and present relevance: Heartland and Rimland.
- 5. Politics of Displacement: Issues of relief, compensation and rehabilitation: with reference to Dams and Special Economic Zones of India

References:

- 1. Adhikari, S. (2007): Political Geography, Rawat Publication, NewDelhi.
- 2. Adhikari, S. (2013): Political Geography of India Sharda Pustak Bhawan, Allahabad.
- 3. Agnew, J., (2002): Making Political Geography, Arnold.
- 4. Agnew, J., Mitchell K. and Total G., (2003): A Companion to Political Geography, Blackwell.
- 5. Cox, K. R., Low M. and Robinson J., (2008): The Sage Handbook of Political Geography, Sage Publications.
- 6. Cox, K., (2002): Political Geography: Territory, State and Society, Wiley-Blackwell
- 7. Gallaher, C., et al. (2009): Key Concepts in Political Geography, Sage Publications.
- 8. Glassner, M., (1993): Political Geography, Wiley.
- 9. Hodder, Dick, Sarah, J, Llyod and Keith, S, McLachlan., (1998): Land Locked States of Africa and Asia (vo.2), Frank Cass
- 10. Jones, M., (2004): An Introduction to Political Geography: Space, Place and Politics, Routledg
- 11. Painter, J. and Jeffrey, A., (2009): Political Geography, Sage Publications.
- 12. Taylor, P. and Flint, C., (2000): Political Geography, Pearson Education.
- 13. Verma, M. K., (2004): Development, Displacement and Resettlement, Rawat Publications, Delhi.

OR

Major Elective -2: Geography of Health and Wellbeing Credits 04(Full Marks: 75)

Course Objectives:

This course aims to attain following learning objectives:

- 1. Various dimensions of health geography and its linkages with environment.
- 2. Detailed analysis of environment and health quality and exposure to risk.
- 3. Understanding of the relationship between climate change and human health.

Course Outcomes:

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

- 1. Understand the key concepts related to health and its driving forces
- 2. Identify the linkages between the health, environment, exposure and risk.
- 3. Explain the relationships among health and disease pattern in environmental context with reference to climate change

MJE-1T Geography of Health and Wellbeing (Theory)

Credits 04

Course contents:

- 1. Definition, scope and trends of Geography of Health. Linkages of health with environment and development. Parameters of health and wellbeing
- 2. Geographical perspective of health in developed and developing countries. Health and disease pattern in Environmental Context with special reference to India
- 3. Factors influencing health and wellbeing. Health in relation to population dynamics, urbanization, inequality, malnutrition and poverty
- 4. Exposure and Health Risks: Air pollution; household wastes; water; housing; workplace.
- 5. Climate change and morbidity. Biological agents of disease. WHO programmes of health and wellbeing

Suggested Reference:

- 1. Akhtar Rais (Ed.), 1990: Environment and Health Themes in Medical Geography, Ashish Publishing House, New Delhi.
- 2. Avon Joan L. and Jonathan A Patzed.2001: Ecosystem Changes and Public Health, Baltimin, John Hopling Unit Press (Ed).
- 3. Bradley, D., 1977: Water, Wastes and Health in Hot Climates, John Wiley Chichesten.
- 4. Christaler George and Hristopoles Dionissios, 1998: Spatio Temporal Environment Health Modelling, Boston Kluwer Academic Press.
- 5. Cliff, A.D. and Peter, H., 1988: Atlas of Disease Distributions, Blackwell Publishers, Oxford.
- 6. Gatrell, A., and Loytonen, 1998: GIS and Health, Taylor and Francis Ltd, London.
- 7. Hardham T. and Tannav M., (Eds): Urban Health in Developing Countries; Progress, Projects, Earthgoan, London.
- 8. Murray C. and A. Lopez, 1996: The Global Burden of Disease, Harvard University Press.
- 9. Moeller Dade wed., 1993: Environmental Health, Cambridge, Harward Univ. Press.
- 10. Phillips, D.and Verhasselt, Y., 1994: Health and Development, Routledge, London.

Major Elective (MJE)-3:

(Credits 04; FM: 75)

Major Elective -3: Geoheritage and Geotourism

Credits 04 (Full Marks: 75)

Course Objectives:

- 1. The course will provide a capacity to understand a systematic analysis of methods and resources supporting geo-conservation and geo-tourism worldwide.
- 2. Assessment of Geoheritage sites

Course outcome:

- 1. After completion of the course, the student should be familiar with the general concepts of the geological and geomorphological heritage of India
- 2. General knowledge about the importance of geological heritage
- 3. The training of personnel for professional geo-heritage jobs

MJE-3T: Geoheritage and Geotourism (Theory)

Credits 04

Course contents:

- 1. Characteristics of a geo-tourism site: Its environment, heritage, aesthetics, culture, and well-being of stakeholders
- 2. The relations between geo-heritage and Geo-tourism: Tourism link between the geo-heritage and geo-tourism through a series of examples of geo-tourism sites.
- 3. Managing geo-tourism: Impacts of visitors and management of geo-tourism sites, examples from India.
- 4. Geo-heritage and Resilience: understanding geo-hazards and geo-conservation practices for resilience building, dissemination of knowledge and education through geo-tourism
- 5. Geomorphosite assessment techniques: Ratio between environmental, aesthetic, heritage and economic values of a geo-site. Quantitative evaluation of pedo-geomorphological and petrological sites.

References:

- Geo-heritage and Geo-tourism resources Nicoletta Santangelo and Attore Valente M.d.p.i AG (25th August, 2020) ISBN number- 10:3039367889 (362 pages) – Hard cover
- 2. Geodiversity: Valuing and conserving abiotic nature Gray, M. John Wiley and Sons. 2004. ISBN number 0-470-09081-2
- 3. Vishwas S. Kale. 2014. Landscape and landforms of India. Springer

OR

Major Elective -3: Social and Cultural Geography

Course Objectives:

- 1. This course shall introduce definition, components of culture.
- 2. This paper shall elucidate about space and society, cultural regions, race, religion and language.
- 3. This course shall provide detailed understanding related to world population growth, population theory and social patterns and processes.

Course outcome:

- 1. This paper shall enable the students to understand the basic concepts, nature and scope of cultural geography.
- 2. This course shall enable the students to appreciate the interrelationships between space and society, characteristics of cultural regions, race, religion and language.
- 3. Students shall be well-versed with the world population growth patterns, demographic transition theory, social patterns and process.

MJE-3T: Social and Cultural Geography (Theory)

Credits 04

Credits 04(Full Marks: 75)

Course contents:

- 1. Social and Cultural Geography: Concept, Origin, Nature and Scope.
- 2. Concept of Space, Social differentiation and stratification; social processes.
- 3. Elements of Culture : Language , Religion, Caste, Class, Race and Gender and their Spatial distribution in World and India
- 4. Peopling Process of India: Technology and Occupational Change; Migration.
- 5. Social groups, social behaviour and contemporary social environmental issues with special reference to India.

Reference Books.

- 1. Ahmed A., 1999: Social Geography, Rawat Publications.
- 2. Casino V. J. D., Jr., 2009) Social Geography: A Critical Introduction, Wiley Blackwell.
- 3. Cater J. and Jones T., 2000: Social Geography: An Introduction to Contemporary Issues, Hodder Arnold.
- 4. Holt L., 2011: Geographies of Children, Youth and Families: An International Perspective, Taylor & Francis.
- 5. Panelli R., 2004: Social Geographies: From Difference to Action, Sage.
- 6. Rachel P., Burke M., Fuller D., Gough J., Macfarlane R. and Mowl G., 2001: Introducing Social Geographies, Oxford University Press.
- 7. Smith D. M., 1977: Human geography: A Welfare Approach, Edward Arnold, and London.
- 8. Smith D. M., 1994: Geography and Social Justice, Blackwell, Oxford.
- 9. Smith S. J., Pain R., Marston S. A., Jones J. P., 2009: The SAGE Handbook of Social Geographies, Sage Publications.
- 10. Sopher, David (1980): An Exploration of India, Cornell University Press, Ithasa
- 11. Valentine G., 2001: Social Geographies: Space and Society, Prentice Hall
- 12. Johnston, R; Gregory, D, Pratt, G. et al. (2008) The Dictionary of Human Geography, Blackwell Publication, New Jersey.

MINOR (MI)

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

MI-5/C5: Same as Minor-5 (GEOMIN05) of Geography (Hons) programme Credits 04

Full Marks: 75

MI-6/C6: Same as Minor-6 (GEOMIN06) of Geography (Hons) programme Credits 04

Full Marks: 75