

Jharkhand, NEP, FYUGP 2022 onwards

**COURSES OF STUDY FOR FOUR-YEAR UNDERGRADUATE PROGRAMME 2022
ONWARDS FOR GEOGRAPHY**

Undergraduate Major in Geography

Draft Syllabus Based on UGC LOCF

Semester II



**Credit Framework for Four Year Undergraduate Programme (FYUGP) under Kolhan
University Chaibasa**

Semester II

Jharkhand, NEP, FYUGP 2022 onwards			
COURSES OF STUDY FOR FOUR YEAR UNDERGRADUATE PROGRAMME 2022 onwards for GEOGRAPHY			
Table 6: Semester wise Course Code and Credit Points:			
Semester	Common, Introductory, Major, Minor, Vocational & Internship Courses		Credits
	Code	Papers	
II	AEC-2	Language and Communication Skills (English)	02
	SEC-2	Skill Enhancement Course-2	03
	MDC-2	Geography: An Introduction	03
	MN-2A(Theory)	Geography of Tourism and Pilgrimage	03
	MN-2A(Practical)	Geography of Tourism and Pilgrimage	01
	MJ-2(Theory)	Geography of Human and Cultural Landscape, (Theory)	03
	MJ-3(Theory)	Climatology and Oceanography	03
	MJ-2(Practical)	Statistical Methods in Human Geography	02

MDC-1 Multi-Disciplinary Course: - Geography: An Introduction Credit 3

Full Mark 75 Passing Mark 30

Teaching Hours 45

Learning Outcome:

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

1. Understand the paradigms in geography discipline through time
2. Application of geographical thinking and techniques in solving contemporary problems
3. Understand the past and future trends of world geography in general and Indian geography in particular

Course Content:		45 Hrs
1. Geography:	Definition, Scope and Approaches; Contemporary Relevance	10
2. Population:	Population as a resource; Population and development: a debate; Population and ecosystem; Demographic transition	10
3. Definition of Region, Evolution and Types of Regional Planning:	Formal, Functional, and Planning Regions and Regional Planning; Need and types of Regional Planning.	10
4. Geospatial Technology:	Definition and Components, Global Positioning System (GPS): Introduction to Remote Sensing, Principles and Uses, Application of GIS: Land Use Mapping; Urban Sprawl Analysis; Forests Monitoring Natural Disasters.	15

Note for Assessment:-No internal Examination, Final examination for 75 Marks

References:

1. Barrett, H. R., (1995): *Population Geography*, Oliver and Boyd.
2. Bhatta, B., (2010): *Analysis of Urban Growth and Sprawl from Remote Sensing*, Springer, Berlin Heidelberg.41
3. Bhende, A. and Kanitkar, T., (2000): *Principles of Population Studies*, Himalaya Publishing House.
4. Burrough, P.A., and McDonnell, R.A. (2000): *Principles of Geographical Information System- Spatial Information System and Geo-statistics*. Oxford University Press
5. Chandna, R. C. and Sidhu, M. S., (1980): *An Introduction to Population Geography*, Kalyani Publishers.

6. Chandna, R C (2006): *JansankhyaBhugol*, Kalyani Publishers, Delhi
7. Chauniyal, D.D. (2010): *Sudur Samvedan evam Bhogolik Suchana Pranali*, Sharda Pustak Bhawan, Allahabad
8. Hussain, Majid., (2012): *ManavBhugol*, Rawat Publications, Jaipur.
9. Johnston, R., Gregory, D., & Pratt, G., et al. (2008): *The Dictionary of Human Geography*, Blackwell Publication.
10. Jordan-Bychkov., et al., (2006): *The Human Mosaic: A Thematic Introduction to Cultural Geography*, W. H. Freeman and Company, New York.
11. Misra, R. P., Sundaram, K.V.andV.L.S.Prakasa Rao, (1974): *Regional Development planning in India*, Vikas Publishing House Delhi
12. Peet, R., (1999): *Theories of Development*, The Guilford Press, New York.

MN-2A (Theory): Geography of Tourism and Pilgrimage

Credit 3
Full Marks 75

Hours 45
Passing Marks 30

Learning Outcome:

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

1. Equip with a basic understanding of nature and scope, trends and patterns of various types of tourisms.
2. Have sound knowledge on geographical, environmental and socio-cultural aspects of tourism in India.
3. Apply the principles of Geo-tourism and analyse the prospects and problems associated with pilgrimage tourism.

Course Content: Theory Paper		45 Hrs
1.Introduction to Tourism	Nature and Scope, Concepts and Issues, Tourism, Recreation and Leisure Inter-Relations; Geographical Parameters of Tourism by Robinson.	15
2. Trends and Patterns:	Nature Tourism, Cultural Tourism, Medical Tourism, Pilgrimage, Geo-tourism	10
3. Recent Trends of Tourism:	International and Regional; Domestic (India); Eco-Tourism, Sustainable Tourism, Meetings Incentives Conventions and Exhibitions	10

4. Impact of Tourism:	Economy; Environment; Society, Tourism policy Indian and Jharkhand	10
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Note for Assessment: - Final Examination 60 Marks+ Internal Examination 10+ Attendance 5 Marks =75 Marks

References:

1. Alan, A. Lew, (2017): *New Research Paradigms in Tourism Geography*, Routledge,.
2. Dhar, P.N., (2006): *International Tourism: Emerging Challenges and Future Prospects*, Kanishka, New Delhi.
3. Hall, M., and Stephen, P., (2006): *Geography of Tourism and Recreation – Environment, Place and Space*, Routledge, London.
4. Kamra, K. K., and Chand, M., (2007): *Basics of Tourism: Theory, Operation and Practise*, Kanishka Publishers, Pune.
5. Milton, D.,(1993): *Geography of World Tourism*, Prentice. Hall, New York,.
6. Nelson, V., (2017): *An Introduction to the Geography of Tourism*, Rowman & Littlefield
7. Page, S. J., (2011): *Tourism Management: An Introduction*, Butterworth-Heinemann- USA.
8. Raj, R. and Nigel, D., (2007): *Morpeth Religious Tourism and Pilgrimage Festivals Management: An International perspective* by CABI, Cambridge, USA.
9. Robinson, H. A.,(1996): *Geography of Tourism*, Macdonald and Evans, London,.
10. Singh, Jagbir., (2014): “Eco-Tourism”, I.K. International Pvt. Ltd. New Delhi, India.

MN-2A(Practical) Geography of Tourism and Pilgrimage

Credit 1 Teaching Hours 30

Full Mark 25 Passing Mark 10

Course Content: Practical		30Hrs
1. Tourism in India:	Tourism Infrastructure; Case Studies of Himalaya, Desert and Coastal Areas; India’s World Heritage Sites and National Geological Monuments	15
2. Tourism in Jharkhand:	Tourism Infrastructure; Case Studies of Parasnath, Dalma Wild Life Sanctuary and Betla National Park	15

Note for Assessment:- Final Examination 15 Marks+5 Marks Viva-Voce+5 Marks Practical Note Book=25 Marks

References

1. Tourism Recreation and Research Journal, Centre for Tourism Research and Development, Lucknow.
2. Widawski, K., and Wyrzykowski, J.,(2017): The Geography of Tourism of Central and Eastern European Countries, Springer.
3. <https://tourism.gov.in/>
4. <https://tourism.jharkhand.gov.in/>

MJ-2 Geography of Human and Cultural Landscape, (Theory)

Credit 3

Hours 45

Full Marks 75

Passing Marks 30

Learning Outcomes:

After the completion, of the course, the students will have the 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.

Course Content: Theory Paper		45 Hrs
1.Introduction	Defining Human Geography; Major Themes: Determinism, Possibilism, Neo-determinism, Contemporary Relevance	10
2. Space and Society:	Evolution of Man; Distribution of Race; Religion and Language, and Cultural Regions, Study of Primitive Tribes of Jharkhand	10
3. Population:	Population Growth and Distribution; Population Composition; Demographic Transition Theory, Population-Resource Relationship, under, over and optimum population	15
4. Settlements:	Types of Rural Settlements; Classification of Urban Settlements; Trends and Patterns of World Urbanization	10

Note for Assessment: - Final Examination 60 Marks+ Internal Examination 10+ Attendance 5 Marks =75 Marks

References:

1. Chandna, R.C. (2010) Population Geography, Kalyani Publisher.
2. Chisholm, M. (1985): Human Geography, 2nd edition, Penguin Books, London.
3. de Blij, H.J.(1996): Human Geography: Culture, Society and Space, 2nd edition. John Wiley and Sons, New York,
4. Fellman, J. D., Arthur, G., Judith, G., Hopkins, J. and Dan, S. (2007): Human Geography: Landscapes of Human Activities. McGraw-Hill, New York. 10th edition.
5. Haggett, P. (2004): Geography: A Modern Synthesis. 8th edition, Harper and Row, New York.
6. Hassan, M.I. (2005): Population Geography, Rawat Publications, Jaipur
7. Daniel, P.A. and Hopkinson, M.F. (1989): The Geography of Settlement, Oliver & Boyd, London.
8. Johnston R; Gregory D, Pratt G. et al. (2008): The Dictionary of Human Geography, Blackwell Publication.
9. Jordan-Bychkov et al. (2006): The Human Mosaic: A Thematic Introduction to Cultural Geography. W. H. Freeman and Company, New York.
10. Kaushik, S.D. (2010): Manav Bhugol, Rastogi Publication, Meerut.
11. Maurya, S.D. (2012): Manav Bhugol, Sharda Pustak Bhawan. Allahabad.
12. Hussain, Majid (2012): Manav Bhugol. Rawat Publications, Jaipur
13. Tiwari Ram Kumar (2022): Jharkhand Ka Bhugol, Bihar Hindi Granth Academy, Patna

MJ-03 Major paper: -Climatology

Credit 3

Hours 45

Full Marks 75

Passing Marks 30

Learning Outcomes:

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

1. Understand the elements of weather and climate and their impacts at different scales.
2. Comprehend the climatic aspects and their bearing on planet earth.

Course Content: Theory Paper		45 Hrs
1. Introduction	Nature and scope of Climatology, Atmospheric Composition and Structure, Insolation and Temperature Factors and Distribution, Heat Budget, Temperature Inversion,	10

2. Atmospheric Moisture:	Atmospheric Pressure and Winds, General Circulation of Air, Jet Streams, Cyclones: Tropical, and Temperate, Anti-cyclone, Monsoon - Origin and Mechanism, El Nino,	15
3. Precipitation	Evaporation, Humidity, Stability and Instability, Air mass and Types of Rain, Precipitation Types,	10
4. Climatic Classification	Climatic Regions (Koppen's and Thornthwaite) Global warming and Climate Change	10

Note for Assessment: - Final Examination 60 Marks+ Internal Examination 10+ Attendance 5 Marks =75 Marks

References:

1. Barry, R. G., and Chorley, R. J., (2009): *Atmosphere, Weather and Climate (9th Edition)*, Routledge, New York.
2. Bhutani, S., (2000): *Our Atmosphere*, Kalyani Publishers, Ludhiana.
3. Critchfield, H. J., (1987): *General Climatology*, Prentice-Hall of India, New Delhi
4. Gupta, L.S., (2000): *JalvayuVigyan(Hindi)*, MadhyamKaryanvayNidishalya, Delhi VishwaVidhyalaya, Delhi
5. Lal, D. S., (2006): *JalvayuVigyan(Hindi)*, PrayagPustakBhavan, Allahabad
6. Lutgens, F. K., Tarbuck E. J. and Tasa D., (2009): *The Atmosphere: An Introduction to Meteorology*, Prentice-Hall, Englewood Cliffs, New Jersey.
7. Oliver, J. E., and Hidore J. J., (2002): *Climatology: An Atmospheric Science*, Pearson Education, New Delhi.
8. Singh, M.B. (1998): *Jalvayu Avam Samudra Vigyan*. Tara Book Agency, Varanasi.
9. Singh, S., (2009): *Jalvayu Vigyan (Hindi)*, Prayag Pustak Bhawan, Allahabad
10. Strahler, A.N., (1987) *Modern Physical Geography*, John Wiley and Sons, New York, Singapore.
11. Trewartha, G. T., and Horne L. H., (1980): *An Introduction to Climate*, McGraw-Hill.

MJ-02 Statistical Methods in Human Geography (Practical) Credit 2

Credit 2

Teaching Hours 60

Full Mark 50

Passing Mark 20

Course Content: Practical		60Hrs
1. Use of Data in Geography	Significance of Statistical Methods in Geography; Sources of Data, Scales of Measurement (Nominal, Ordinal, Interval and Ratio).	15
2.Tabulation and Descriptive Statistics:	Frequencies (Deciles, Quartiles), Cross Tabulation, Central Tendency (Mean, Median and Mode, Centro-graphic Techniques, Dispersion (Standard Deviation, Variance and Coefficient of Variation).	20
3.Sampling:	Purposive, Random, Systematic and Stratified, Theoretical Distribution: Probability and Normal Distributions.	15
4.Association and Correlation:	Rank Correlation, Product Moment Correlation, and Simple Regression	10

Note for Assessment:- Final Examination 30 Marks+10 Marks Viva-Voce+10 Marks Practical Note Book=50 Marks

Practical Record:

Each student will submit a record containing five exercises:

1. Construct a data matrix (of about 10 x 10) with each row representing an areal unit (districts or villages or towns) and about 10 columns of relevant attributes of the areal units.
2. Based on the above table, a frequency table, measures of central tendency and dispersion would be computed and interpreted for any two attributes.
3. Histograms and frequency curves would be prepared for the entire data set and attempt to fit a normal curve and interpreted for one or two variables.
4. From the data matrix a sample set (20 per cent) would be drawn using random- systematic and/or stratified methods of sampling and locate the samples on a map with a short note on the method used.

5. Based on the sample set and using two relevant attributes, a scatter and regression line would be plotted and residual from regression would be mapped with a short interpretation.

References:

1. Ajai, S. G. and Sanjaya, S.G. (2009) *Statistical Methods for Practice and Research*, Sage Publications, New Delhi.
2. Berry, B. J. L. and Marble, D. F. (eds.): *Spatial Analysis—A Reader in Geography*.
3. Ebdon, D., (1977): *Statistics in Geography: A Practical Approach*.
4. Hammond, P. and McCullagh, P. S., (1978): *Quantitative Techniques in Geography: An Introduction*, Oxford University Press.
5. King, L. S., (1969): *Statistical Analysis in Geography*, Prentice-Hall.
6. Mahmood, A., 1977: *Statistical Methods in Geographical Studies*, Concept.
7. Pal, S. K., (1998): *Statistics for Geoscientists*, Tata McGraw Hill, New Delhi.
8. Rogerson, P. A., (2001) *Statistical Methods for Geography*, Sage Publications, New Delhi.
9. Sarkar, A. (2013): *Quantitative geography: techniques and presentations*. Orient Black Swan Private Ltd., New Delhi
10. Shinha, Indira., (2007): *Sankhyikibhugol(Hindi)*. Discovery Publishing House, New Delhi.
11. Silk, J., (1979): *Statistical Concepts in Geography*, Allen and Unwin, London.
12. Taylor P.J., (1983) *Quantitative Methods in Geography: An Introduction to Spatial Analysis*, Waveland Press, Boston Publishers.
13. Yeates, M., (1974): *An Introduction to Quantitative Analysis in Human Geography*, McGraw Hill, New York.
14. Bhopal Singh R L and Dutta P K (2012) *Prayogic Bhugol ke Mool Tatva*, Kalyani Publisher, New Delhi
15. Sharma J. P., (2010): *Prayogic Bhugol* Rastogi Publishers, Meerut.