

Self-Study Report (SSR) - Criterion-1

Information to be submitted by Departments/Directorates/Centres for Each Programme Offered

1	Department/Directorate/Centre/Institute:	Department of Geography & Disaster Management	
2	Name of the Programme Offered:	M.A./ M.Sc. Geography	
3	Departmental website link of the complete/updated syllabus:	https://geogrd.uok.edu.in/Main/ViewPage.aspx?Page=6cdc1064-49be-4fdf-811e-d9feed75ccf4&active=lnk0	
4	Number of Courses in the Programme?	43	
5A	Number of New Courses introduced in the Programme since 2019?	3	
5B	List of New Courses introduced since 2019:		
	<i>Course Code</i>	<i>Course Title</i>	<i>Brief Description</i>
	GG21108DC E	Rural Development	<p>Course Outcome: To enhance critical thinking by familiarizing the students with various initiatives and programmes of rural development and imbibe human values among them. To encourage the students to participate in research at different levels through projects, interviews, surveys and field visits.</p> <p>Objectives: The programme has been framed to provide an understanding and experience of different aspects of Rural Development. To provide a holistic perspective of schemes/programmes of central govt. in general and UT govt. in particular as bulk of the population of the country is still concentrated in rural areas.</p> <p>Attainment: It aims to develop expertise in rural planning and management with a focus on participatory appraisal and development. This will also open a plenty of career opportunities for the candidates interested in the field.</p>
	GG21305DC E	Geography of Resources	<p>Course Outcome: The course aims to enhance student's knowledge pertaining to inventory, evaluation and appraisal of the natural resources. It highlights various aspects of natural resource management.</p> <p>Objectives: The course also encourages the learners to comprehend the policies governing resource use and identify various socio-economic dimensions (stakeholders, interests, trade-offs, synergies, ethical principles) while formulating management plans for ensuring sustainable use of resources which is essential for the maintaining ecological balance.</p> <p>Attainment: The students will be acquainted with theoretical and applied knowledge related to the resource base, utilization and future scenarios at local, national and international levels with are</p>
	GG21309DC E	Natural Hazards	<p>Course Outcome: This course focuses on the major natural hazards their mode of occurrence, intensity levels, frequency and desired response mechanisms.</p> <p>Objectives: The objective of the course is to introduce the students to natural disasters and their</p>

		phenomenon, ground deformations, land-level changes, event recurrence intervals, associated environmental and depositional changes, sedimentation patterns, and all the related hazards. Attainment: the course aims to focus on the approaches for mitigating and minimizing hazards along with related hazard assessment.
5C	Departmental website link in support of New Courses introduced in the Programme since 2019.	https://geogrd.uok.edu.in/Main/ViewPage.aspx?Page=6cdc1064-49be-4fdf-811e-d9feed75ccf4&active=lnk0
6A	Dates of syllabus revisions during the last five years. (2019-2023)	27-09-2021
6B	Departmental website link in support of syllabus revisions.	https://geogrd.uok.edu.in/Main/Default.aspx
7	Are Programme Outcomes (POs) clearly mentioned in the syllabus? (Y/N)	Y
8	Are the Course Outcomes (COs) mentioned for each course of the programme? (Y/N)	Y
9A	Does POs & COs have relevance to local, regional & global developmental needs? (Y/N)	Y
9B	List of courses addressing Local Needs:	
	<i>Course Code</i>	<i>Course Title</i>
		<i>Brief Justification</i>
	GG21108DC E	Rural Development
		<p>Course Outcome: To enhance critical thinking by familiarizing the students with various initiatives and programmes of rural development and imbibe human values among them. To encourage the students to participate in research at different levels through projects, interviews, surveys and field visits.</p> <p>Objectives: The programme has been framed to provide an understanding and experience of different aspects of Rural Development. To provide a holistic perspective of schemes/programmes of central govt. in general and UT govt. in particular as bulk of the population of the country is still concentrated in rural areas.</p> <p>Attainment: It aims to develop expertise in rural planning and management with a focus on participatory appraisal and development. This will also open a plenty of career opportunities for the candidates interested in the field.</p>
	GG21206DC E	Agricultural Geography
		<p>Course Outcome: the course aims to familiarise the students with various aspects of the professional agricultural solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development. At the end of course, the students will be able to get updated knowledge of agriculture related contemporary issues and strategies.</p> <p>Objectives: The main aim of the course is to familiarize the students with the concept, origin, and development of agriculture; to examine the role of agricultural determinants towards changing cropping patterns, productivity and diversification. The course aims to familiarize students with the application of various models and classification schemes of agricultural productivity.</p> <p>Attainment: The students will be able to apply the knowledge of crop cultivation, crop improvement, soil and crop management for sustainable agricultural production by developing various innovative solutions, products, and technologies to meet the challenges in agriculture and farming enterprise.</p>

GG21207DC E	Land Use Planning	<p>Course Outcome: The course provides a broad understanding of the important principles, methods and techniques of land use planning. The course also focuses on factors and drivers governing the land use change.</p> <p>Objectives: The main objective of the course is to provide integrated understanding of the dynamics of urban and rural land use and its impact on economy and society.</p> <p>Attainment: Students will be able to demonstrate how to effectively formulate policies and planning instruments to manage urban growth and achieve sustainable, equitable and efficient development outcomes.</p>
GG21208DC E	Watershed Management	<p>Course Outcome: The aim of the course is to introduce the students to the concept of watershed and its role in planning and managing natural resources.</p> <p>Objectives: The course emphasizes on identifying watershed as an ideal planning unit, its delineation, codification, characteristics, and the application of advanced technologies in the watershed management.</p> <p>Attainment: The course is intended for students interested in the field of environmental management and conservation of natural resources at microlevel using advanced techniques.</p>
GG21002GE	Geography of Jammu & Kashmir	<p>Course Outcome: The course provides the necessary inputs to the students belonging to various disciplines of earth and environment sciences to explore complex geographical domain of the UT of J&K.</p> <p>Objectives: This course aims to familiarize the students with physical, environmental, socioeconomic and cultural dimensions of the geography of Jammu & Kashmir.</p> <p>Attainment: This course has been conceptualized to address the requirements of a large segment of students interested in various competitive examinations.</p>

9C

List of courses addressing **Regional Needs:**

<i>Course Code</i>	<i>Course Title</i>	<i>Brief Justification</i>
GG21107DC E	Geography of India	<p>Course Outcome: The main outcome of this course is to broaden the understanding of students with respect to geoenvironmental, social, cultural and ethno-linguistic profile of India.</p> <p>Objectives: The main objective of this course is aimed at making the students gain in-depth knowledge of physiography, climate, demography natural vegetation, agriculture energy resources and industries of India</p> <p>Attainment: This course will help in attaining and addressing the requirements of a large segment of students interested in various competitive examinations.</p>
GG21209DC E	Fluvial Geomorpholog y	<p>Course Outcome: The course will provide an understanding of the conceptual and dynamic aspects of landform development. Students will also learn the relevance of applied aspects this branch of physical geography which has considerable applications in engineering, disaster management and other related fields.</p> <p>Objectives: The objectives of this course are to introduce many facets of fluvial geomorphology in relation to the factors influencing their operation. It also aims to update the students about the various aspects of human-fluvial system interactions.</p> <p>Attainment: The students will be equipped with the practical knowledge and methods of understanding the fluvial process importantly the bank erosion assessment and discharge measurement for effective flood control planning and soil conservation.</p>

9D List of courses addressing **Global Needs:**

Course Code	Course Title	Brief Justification
GG21101CR	Geomorphology	<p>Course Outcome: The course has been designed to provide learners an understanding of fundamental principles, theories and process in geomorphology and the evolution of landforms in various environmental settings.</p> <p>Objectives: After the completion of this course, students are expected to possess the skills to quantitatively use and evaluate geomorphological data with numerical, statistical and spatial technological methods.</p> <p>Attainment: This course will help in attaining the ability to analyze relationships between physical and human aspects of environments and landscape.</p>
GG21103CR	Oceanography	<p>Course Outcome: The students will analyze atmospheric and oceanic circulation systems as well as their interconnections and driving forces and the principles involved in the generation of waves and tides and evaluate their effects on coastal processes and marine ecosystems.</p> <p>Objectives: The objective of the course is to give an overview of the science of oceanography and to identify reasons why sustainable practices regarding ocean resources are important. The courses provide students with a comprehensive understanding of the ocean and its importance to the Earth's system, as well as the tools and techniques for conducting research in this field.</p> <p>Attainment: The students will assess the consequences of rise in sea-level on the coastal zone and society and possible mitigation and adaptation strategies and can pursue career/ research opportunities in this applied field. To pursue jobs in earth sciences, atmospheric sciences and oceanography laboratories, universities, NIT's, IITs among other related fields.</p>
GG21106DC E	Geography of Health & Healthcare	<p>Course Outcome: This course is designed to make the students understand the spatial dimensions of various health and healthcare related issues. It also enables the students to have an in depth knowledge of disease ecology and role of geoenvironmental factors in the incidence of various diseases.</p> <p>Objectives: The aim of this course is to critically evaluate the spatial distribution of various health care facilities especially in the environmentally disadvantageous regions so that necessary corrective measures are taken to ensure the equitable access to health care infrastructure.</p> <p>Attainment: The student is prepared to contribute to health care planning in terms of spatial location of healthcare units and facilities, disease mapping and monitoring in crisis situations.</p>
GG21201CR	Climatology	<p>Course Outcome: The course focuses on various aspects of climate, climatic control and its genesis. The course is aimed to broaden the understanding of students regarding global, regional and local climatic scenarios.</p> <p>objectives: It enables the students to learn about various adaptation and mitigation strategies through which negative fallout of climate change can be reduced for ensuring sustainable environment.</p> <p>Attainment: this course is designed to equip the students with the necessary skill of understanding complex atmospheric interactions, earth's heat budget, heat balance and various aspects of global environmental change and its impact on economy, ecology and society at large.</p>
GG21202CR	Hydrology	<p>Course Outcome: The course is designed to let the learners understand the water subsystems and their hydrological properties, and how they affect the components of the water cycle, such as hydrograph, groundwater, recharge, and movement and aquifer properties.</p>

		<p>Objectives: The objective of this course is to appraise the students about the concepts of surface and subsurface components of the global water cycle.</p> <p>Attainment: The understanding of the course objective will help the learners to acquaint with the geological, engineering, and policy application.</p>
GG21203CR	Remote Sensing & GIS	<p>Course Outcome: Students will acquire knowledge regarding the use of modern tools and technology like RS, GIS and GPS in geographical studies and can apply this knowledge in any field of study.</p> <p>Objectives: The students can acquire a broad knowledge regarding natural resources, various sensors and can developed idea about aerial photographs, satellite imagery etc.</p> <p>Attainment: Through this course students can develop their base regarding the practical use of advanced technology in different field of geography through which they can prepare more accurate and precise maps of different cultural and physical features.</p>
GG21002OE	World Geography	<p>Course Outcome: This course aims to promote a broad understanding of landforms, climate and drainage patterns at global level. It also deals with global distribution of industry, minerals, and agricultural and population resource regions.</p> <p>Objectives: After the completion of the course the students will have a broad understanding about the global economy, landscapes and the natural environment.</p> <p>Attainment: This course has been conceptualized to address the requirements of a large segment of students interested in various competitive examinations.</p>
GG21301CR	Evolution of Geographic Thought	<p>Course Outcome: The course provides a broad overview of the development of geographical thought. It appreciates the diverse subject matter of Geography which has incorporated and developed theories and ideas from interdisciplinary contexts.</p> <p>Objectives: The course aims to enable the learners to evaluate and articulate the strengths and weaknesses in the philosophical basis of geographical research.</p> <p>Attainment: the course aims to equip the students with the abilities to formulate and articulate their own perspectives on issues related to thought and practice in geography.</p>
GG21308DC E	Geography of Transport	<p>Course Outcome: This course focuses on the nature and development of transportation networks in developing and developed countries of world through specialized models and theories.</p> <p>Objectives: The main objectives of this course is aimed at making the students understand various transportation models and to examine the major trends, issues and problems being faced by the transport sector at National and International level.</p> <p>Attainment: By the end of this course, the students will learn to analyze transport networks, discern patterns and modes, and comprehend influential transport development models and policies.</p>
GG21003GE	World Geography	<p>Course Outcome: This course aims to promote a broad understanding of landforms, climate and drainage patterns at global level. It also deals with global distribution of industry, minerals, and agricultural and population resource regions.</p> <p>Objectives: This course has been conceptualized to address the requirements of a large segment of students interested in various competitive examinations.</p> <p>Attainment: After the completion of the course the students will have a broad understanding about the landscapes, atmosphere and the natural environment we live in as well as the planet.</p>

GG21401CR	Population & Settlement Geography	<p>Course Outcome: The course is meant to provide an understanding of spatial and structural dimensions of population and the emerging issues.</p> <p>Objectives: The course is aimed at familiarizing the students with regional, national and global problems and equips them to comprehend the problems pertaining to population dynamics.</p> <p>Attainment; The course will aid to impart knowledge of concepts and theoretical framework relating to population and settlement geography, which enables the students building capacity to use theoretical and empirical advancements to develop strategies, policies and programmes to meet challenges of population explosion and associated environmental repercussions.</p>
GG21403CR	Biogeography	<p>Course Outcome: The focus of this paper is to study the intricate relationship between geography and biology. It also broadens the understanding about Biodiversity, its conservation and management.</p> <p>Objectives: This course aims to provide a deep understanding about various factors which influence the distribution and dispersal of species, biodiversity loss and environmental degradation.</p> <p>Attainments: the course enables the students to understand geographic template and patterns along with biodiversity gradients across the globe. The course also aims to familiarize the students with the various anthropogenic pressures responsible for the extinction of species across the globe.</p>
GG21406DC E	Political Geography	<p>Course Outcome: This course provides students with a comprehensive understanding of the concepts, theories, methods, principles and models of geographic thought appropriate for analyzing politics and political relations.</p> <p>Objectives: This course is aimed to provide students with a deep and practical understanding of the complexities and dynamics of political geography and geopolitics, focusing on both theoretical foundations and contemporary issues.</p> <p>Attainments: This course enables students to use geography in order to gain an understanding of global political actions, related military, ethnic, or religious conflicts, cultural practices, economic relationships, and resource use decisions with interregional or international implications.</p>
GG21407DC E	World Geography	<p>Course Outcome: This course aims to promote a broad understanding of landforms, climate and drainage patterns at global level. It also deals with global distribution of industry, minerals, and agricultural and population resource regions.</p> <p>Objectives: This course has been conceptualized to address the requirements of a large segment of students interested in various competitive examinations.</p> <p>Attainment: After the completion of the course the students will have a broad understanding about the landscapes, atmosphere and the natural environment we live in as well as the planet.</p>
GG21408DC E	Glaciology	<p>Course Outcome: This course is a specialized course of Physical Geography wherein students will be introduced to Glacial Science. The course has been conceptualized to encourage students to understand the glaciers as repositories of water resources, their importance in shaping various types of landforms, their dynamic nature and behaviour of these glaciers to changing climatic regimes.</p> <p>Objectives: Understand the fundamental concepts and terminology related to glaciology including glacier types, processes and landforms. The emphasis would be to encourage and develop interest in the field of glaciology among the students so that they can identify this field as a career opportunity.</p> <p>Attainment: Students should acquire a comprehensive understanding of the fundamental principles, concepts and theories in glaciology, including glacier dynamics, processes and landforms. One important attainment of this course would be to appreciate the importance of glaciers in climate change studies.</p>

10 A	Does the Programme offer focus on Employability/ Entrepreneurship/ Skill development courses? (Y/N)		
10 B	List of Employability Courses:		
	<i>Course Code</i>	<i>Course Title</i>	<i>Brief Justification</i>
GG21102CR	Economic Geography		<p>Course Outcome: The course has been designed to familiarize students with tools, models and methods which are useful in understanding economic phenomenon with reference to the changing geographical attributes.</p> <p>Objectives: At the end of the course, the students are expected to identify and measure factors responsible for establishment and localization of industry at national and global level.</p> <p>Attainment: The course will enable students to understand various aspects of manufacturing, clustering and agglomeration dynamics, to evaluate the role of different attractive and repulsive forces within relevant models to explain the international flows of goods, capital and work force.</p>
GG21205DC E	Urban Geography		<p>Course Outcome: This course is designed to acquaint the students with emerging trends in the urbanizations at national and international level and its socioeconomic and environmental implications.</p> <p>Objectives: the objective of the paper is to update the students about the lopsided and skewed urban growth which is largely in favour of large metropolitan cities associated with serious environmental problems. This course will help the students to develop professional capacities and skills to address these complex problems.</p> <p>Attainment: By the end of this course, the students will learn the key concepts like the delimitation of city limits and influence areas, land use planning with a focus on locational planning of urban utilities, preparation of town plans and spatial analysis of environmental problems to improve quality of urban life.</p>
GG21302CR	Regional Planning & Development		<p>Course Outcome: The course explores the current context and content of regional/spatial planning from perspective of developing countries and also investigates underlying theoretical debates. Course is designed to analyse the existing spatial distribution and exploitation pattern of regional resources structures, levels of sectoral development, regional imbalances and sustainable regional developmental strategies.</p> <p>Objectives: The objective of the course is to impart knowledge, understanding and skills necessary to practise professionally as a regional/spatial planner.</p> <p>Attainment: Course enables the students to formulate/prepare short term regional developmental plans at micro-spatial scale by developing necessary skills for the effective practice of planning, its purpose and methods that envision future change; adoption, administration, and implementation of plans.</p>
		<i>Course Title</i>	<i>Brief Justification</i>
GG21105DC E	Geography of Tourism		<p>Course Outcome: The course aims to study the relationship of geography and tourism and to prepare learners with knowledge and skills those are essential to understand and manage the needs of destination.</p> <p>Objectives: To develop strategies for ongoing personal and professional development as a recreation and leisure services professional.</p> <p>Attainment: To facilitate the assessment of the tourism potential of a destination and prepare tourism development plan as well as marketing techniques.</p>

	GG21307DC E	Environmental Impact Assessment	<p>Course outcome: This course is designed to introduce students to environmental Impact Assessment. The focus is on the rationale and methodology of integrated environmental impact assessment, including consideration of the relevant bio-physical, social, cultural, economic and human health aspects of development proposals, programs and policies.</p> <p>Objectives: The main objective of the course is to provide theoretical and practical knowledge in the field of environmental impact assessment.</p> <p>Attainment: At the end of course, students will acquire the knowledge and professional skills necessary to enable them to undertake, identify and evaluate the potential environmental, social, and economic impacts that may result from a proposed project.</p>
10 D	List of Skill development Courses:		
	<i>Course Code</i>	<i>Course Title</i>	<i>Brief Justification</i>
	GG21104CR	Cartographic & Quantitative Techniques in Geography	<p>Course Outcome: The course is aimed to introduce the foundational skills of how to generate and display the quantitative and qualitative spatial and non-spatial data to solve Earth and Space science problems.</p> <p>Objectives: At the end of the course, the students will proficiently utilize advanced quantitative techniques to interpret geographical data, conducting detailed statistical analyses to effectively address complex geographic issues pertaining to environment and spatial developmental planning.</p> <p>Attainment: The course will help the students to identify the specific data and methodologies for effective mapping and evaluation of natural resources. Moreover, the application of geospatial technologies for hazard mitigation and management is the core concern of the curriculum.</p>
	GG21001OE	Study of Maps & Charts	<p>Course Outcome: The main purpose of the course is to show different physical or cultural phenomena on maps for enlightening various aspects of spatial organization and areal differentiation.</p> <p>Objectives: The main objective of the course is to develop broad understanding about the essentials of maps making, mapping projections and, national and international map making organizations.</p> <p>Attainment: After the completion of the course the students will have a clear idea regarding different types of maps and different map making processes, and their utility in various fields of human interest.</p>
	GG21204CR	Remote Sensing & GIS (Practical)	<p>Course Outcome: This course provides the necessary skills, aptitude and training to the students in different domains of geospatial technologies. It prepares the students adequately in different techniques of spatial data interpretation and analysis for real time problem solving.</p> <p>Objectives: The practical course provides hands on exposure to our students in various remote sensing and GIS softwares.</p> <p>Attainment: The student is professionally well equipped to work independently or in team for providing solutions to problems in a GIS environment.</p>
GG21304CR	Field Studies (Geomorphic & Socio-Economic)	<p>Course Outcome: This is one of the important courses which help out to introduce students with some basic statistical techniques, relevant to geographical research to acquaint students about their potentials & utilization: The knowledge of drawing inferences using the geographical database with an understanding and appreciation of the mutual dependence of different techniques and their relevance.</p> <p>Objectives: The broader objectives of this course is to recognize the significance of research work, formulate research design and methods, organize and carry out field visits, collect field data and/or conduct review of literature, effective writing, maintaining research ethics and academic integrity and</p>	

			<p>preparation and dissemination of research output having scientific and/or social relevance.</p> <p>Attainment: On completion of the dissertation, the student will be able to articulate a research problem/question; place the research problem/question in the contexts of the appropriate literature; undertake research to obtain information appropriate to addressing the research problem/question and present the findings as a dissertation in order to address the research problem/question, and to place these findings in the broader context of the appropriate literature</p>
	GG21404CR	Advanced Surveying & GPS Applications (Practical)	<p>Course Outcome: The course is aimed at making the students to know about the significance of advanced surveying in field measurements in terms of utility and precision of data collection and to learn on the principles of Electronic distance measurements, Total station, GPS and their accuracy.</p> <p>Objectives: The course enables the students to know in detail the concepts of coordinate systems, Map projections, Advanced surveying techniques: (working principles), data collection, data processing and analysis.</p> <p>Attainment: This course will help in attaining the competency to prepare plans, contour maps using Advanced surveying equipments and techniques.</p>
	GG21405DC E	Dissertation (Project Work)	<p>Course Outcome: This is one of the important courses which help out to introduce students with some basic statistical techniques, relevant to geographical research to acquaint students about their potentials & utilization: The knowledge of drawing inferences using the geographical database with an understanding and appreciation of the mutual dependence of different techniques and their relevance.</p> <p>Objectives: The broader objectives of this course is to recognize the significance of research work, formulate research design and methods, organize and carry out field visits, collect field data and/or conduct review of literature, effective writing, maintaining research ethics and academic integrity and preparation and dissemination of research output having scientific and/or social relevance.</p> <p>Attainment: On completion of the dissertation, the student will be able to articulate a research problem/question; place the research problem/question in the contexts of the appropriate literature; undertake research to obtain information appropriate to addressing the research problem/question and present the findings as a dissertation in order to address the research problem/question, and to place these findings in the broader context of the appropriate literature</p>
11 A	Does the programme have courses addressing Professional ethics/ gender/ human values/ environment/ sustainability & other value framework enshrined in NEP2020/etc. (Y/N)		
11 B	List of courses addressing Professional Ethics:		
	<i>Course Code</i>	<i>Course Title</i>	<i>Brief Justification</i>
	GG21307DC E	Environment Impact Assessment	<p>Course Outcome: This course is designed to introduce students to environmental Impact Assessment. The focus is on the rationale and methodology of integrated environmental impact assessment, including consideration of the relevant bio-physical, social, cultural, economic and human health aspects of development proposals, programs and policies.</p> <p>Objectives: The main objective of the course is to provide theoretical and practical knowledge in the field of environmental impact assessment.</p> <p>Attainment: At the end of course, students will acquire the knowledge and professional skills necessary to</p>

enable them to undertake, identify and evaluate the potential environmental, social, and economic impacts that may result from a proposed project.

11 C	List of courses addressing Gender Issues:		
	Course Code	Course Title	Brief Justification
	GG21402CR	Social & Cultural Geography	<p>Course Outcome: At the end of the course students will acquire a general understanding of the major concepts and approaches in the fields of social and cultural geography. They will gain an appreciation for the role that social power plays in the formation of socio-spatial identities and the processes of place-making.</p> <p>Objectives: This course provides a broad overview of the key concepts and approaches in social and cultural geography and examines the contested politics of place-making as a social and cultural practice. This course is aimed at making students understand and develop the ability to critically assess the material and symbolic aspects of cultural landscapes.</p> <p>Attainment: Apply concepts and evaluate contemporary social and cultural issues. Improve competency in interpreting scholarly literature in social and cultural geography and enhance research skills of the students.</p>
11 D	List of courses addressing Human Value Issues:		
	Course Code	Course Title	Brief Justification
11 E	List of courses addressing Environment Issues:		
	Course Code	Course Title	Brief Justification
	GG21303CR	Ecology & Environment	<p>Course Outcome: The course provides a holistic approach to create and disseminate knowledge to the students about environmental problems at local, regional and global scale.</p> <p>Objectives: the course aims to provide practical training on modern instrumentation and analytical techniques for environmental analyses and more importantly sensitizes the students towards environmental concerns, issues, and impacts of climate change and related mitigation strategies.</p> <p>Attainment: The course enables the learners to apply their knowledge for efficient decision-making, environmental management and sustainable development.</p>
GG21305DC E	Geography of Resources	<p>Course Outcome: The course aims to enhance student's knowledge pertaining to inventory, evaluation and appraisal of the natural resources. It highlights various aspects of natural resource management.</p> <p>Objectives: The course also encourages the learners to comprehend the policies governing resource use and identify various socio-economic dimensions (stakeholders, interests, trade-offs, synergies, ethical principles) while formulating management plans for ensuring sustainable use of resources which is essential for the maintaining ecological balance.</p> <p>Attainment: The students will be acquainted with theoretical and applied knowledge related to the resource base, utilization and future scenarios at local, national and international levels with are essential for sustainable development.</p>	

	GG21306DC E	Soil Geography	<p>Course Outcome: The course provides a broad overview of the soil forming factors and related processes, properties of soils, soil organic matter, soil nutrients, techniques of soil survey and soil classifications.</p> <p>Objectives: the course aims to address various aspects of soil erosion, land degradation and methods of soil conservation.</p> <p>Attainments: The Course trains the students in soil surveys and soil resource mapping which are essential component of sustainable soil management practices.</p>						
	GG21309DC E	Natural Hazards	<p>Course Outcome: This course focuses on the major natural hazards their mode of occurrence, intensity levels, frequency and desired response mechanisms.</p> <p>Objectives: The objective of the course is to introduce the students to natural disasters and their phenomenon, ground deformations, land-level changes, event recurrence intervals, associated environmental and depositional changes, sedimentation patterns, and all the related hazards.</p> <p>Attainment: the course aims to focus on the approaches for mitigating and minimizing hazards along with related hazard assessment.</p>						
11	List of courses addressing Sustainability issues:								
F	<i>Course Code</i>	<i>Course Title</i>	<i>Brief Justification</i>						
	GG21109DC E	Sustainable Development	<p>Course Outcome: The course introduces the students to the concept of Sustainable Development. It is expected that they would understand the interconnectedness of social, economic and environmental systems in the context of sustainable development. They would analyse and evaluate the sustainable development policies, strategies and practices at local, national and global levels.</p> <p>Objectives: Understand Sustainable Development and its underlying principles. Engage in interdisciplinary collaboration and critical thinking to address complex sustainability challenges. Identify and assess the impacts of human activities on ecosystems and natural resources as well as identification of possible solutions for mitigating these impacts.</p> <p>Attainment: At the end of course, students will be able to apply concepts of sustainable development to address sustainability challenges in a global context. Students are expected to identify, act on, and evaluate their professional and personal actions with the knowledge of Sustainability in order to address global, regional and local issues.</p>						
11	List of courses addressing Other Value Framework enshrined in NEP2020/etc.:								
G	<i>Course Code</i>	<i>Course Title</i>	<i>Brief Justification</i>						
12	Does the Department/Directorate/Institute/ Centre offer Diploma Programme? (Y/N)							N	
12	Details of the Diploma Programmes offered by the institutions where the students of the institution have enrolled and successfully completed during the last five years (2019-2023)								
B	<i>Programme Code</i>	<i>Name of Diploma Programme</i>	<i>Mode of Programme</i>	<i>Year of Offering/enrolment</i>	<i>Cont act hour</i>	<i>Num ber of</i>	<i>Numbe r of Studen</i>	<i>Departmental website link to the relevant document</i>	<i>Number of students enrolled in the year</i>

13 A	Does the Department/Directorate/Institute/ Centre offer Certificate Courses? (Y/N)								N
13 B	Details of the Certificate Courses offered by the institutions where the students of the institution have enrolled and successfully completed during the last five years (2019-2023)								
	<i>Course Code</i>	<i>Name of Certificate Course</i>	<i>Mode of Course (Online/Of fline)</i>	<i>Year of Offering/enrolment</i>	<i>Contact hours of course</i>	<i>Number of students enrolled in the year</i>	<i>Number of Students completing the course in the year</i>	<i>Departmental website link to the relevant document</i>	<i>Number of students enrolled in the year</i>
14 A	Does the Department/Directorate/Institute/ Centre offer Value-Added Courses? (Y/N)								
14 B	Details of the Value Added Courses offered by the institutions where the students of the institution have enrolled and successfully completed during the last five years (2019-2023)								
	<i>Course Code</i>	<i>Name of Value-Added Course</i>	<i>Mode of Course (Online/Of fline)</i>	<i>Year of Offering/enrolment</i>	<i>Contact hours of course</i>	<i>Number of students enrolled in the year</i>	<i>Number of Students completing the course in the year</i>	<i>Departmental website link to the relevant document</i>	<i>Number of students enrolled in the year</i>
15 A	Does the Department/Directorate/Institute/ Centre offer Online Courses of MOOCs, SWAYAM/e-PG Pathshala/ NPTEL and other recognized platforms? (Y/N)								N

15 B	Details of Online Courses of MOOCs, SWAYAM/e-PG Pathshala/ NPTEL and other recognized platforms where the students of the institution have enrolled and successfully completed during the last five years (2019-2023)								
	<i>Course Code</i>	<i>Name of the Course</i>	<i>Mode of the Course-offered by the HEI or Online (Specify the platform like MOOCS, SWAYAM, etc.)</i>	<i>Year of Offering/enrolment</i>	<i>Contact hours of course</i>	<i>Number of students enrolled in the year</i>	<i>Number of Students completing the course in the year</i>	<i>Departmental website link to the relevant document</i>	<i>Number of students enrolled in the year</i>
16 A	Does the programme have Field Projects/ Research Projects /Internship in the programme? (Y/N)								
16 B	Details of components of Field Projects / Research Projects / Internships implemented during last five years (2019-2023)								
	<i>Course Code</i>	<i>Name of the course pertaining to field projects/ Research Projects / Internship</i>	<i>Number of Credits</i>	<i>Number of students undertaking course</i>	<i>Departmental website link to the relevant document</i>				
GG21405DCE	Dissertation (Project Work)	4	40 STUDNETS /YEAR	https://geogrd.uok.edu.in/Files/080dbf8a-06f0-4747-9a74-d08ca769ee97/Custom/Geography%20Syllabus%20PG%20BATCH%202021%20onwards.pdf					
17	Any other Relevant Information:								

Signature of the Head/Director of the Department/Centre/Institute