

**DEPARTMENT OF GEOGRAPHY
UNIVERSITY OF IBADAN**

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History

The Department of Geography is one of the foundation departments in the University of Ibadan. It was established within both the Faculty of Arts and the Faculty of Science, and joined the Faculty of the Social Sciences in 1967/68.

At present, the Department offers courses leading to the award of B.Sc. degrees in both the Faculty of the Social Sciences and the Faculty of Science. The programme in the Faculty of the Social Sciences usually lasts six-eight semesters and admits candidates who have the required passes in the Ordinary and Advanced levels of General Certificate of Education and Equivalent Examinations.

The programme is usually intensive and covers virtually all aspects of Geography. The main areas of specialization of the academic staff include Geomorphology, Climatology, Biogeography, Hydrology, Cartography, Land resources Evaluation, Transport, Theoretical geography, Industrial geography, population, urban, and medical geography as well as urban and regional planning. The different courses taught in the department, apart from providing theoretical insights into the discipline, also reflect the needs of the wider society. The department is famed for maintaining one of the oldest and most efficient climatological stations in the country.

Distribution of Courses

100 Level		Unit	Status
GEO 111	Physical Geography	3	R
GEO 131	Human Geography of Africa	3	R
GEO 141	Ibadan Region	3	R
GEO 181	Practical Geography	3	R

100 level courses are applicable to 100 level Student offering the courses as ELECTIVES from sister departments in the Faculty of Social Sciences

200 Level		Unit	Status
GEO 211	Introduction to the Physical Environment	4	C
GEO 231	Introduction to Man Env't. Interaction	4	R
GEO 281	Air Photo Interpretation	3	R
GEO 282	Map Reading and Interpretation	14	R

Total Units **27**

300 Level

GEO 311	Climatology	3	E	
GEO 312	Geomorphology	3	E	
GEO 313	Biogeography	3	E	
GEO 331	Population Geography	3		R
GEO 332	Economic Geography	3		R
GEO 333	Settlement Geography	3		R
GEO 350	Africa	3		R
Total Units			21	

400 Level Elective Courses (Determined by TEE)

		Unit	Status	
GEO 451	Nigeria	3	C	
GEO 410	Synoptic and Dynamic Climatology	3	C	
GEO 411	Applied Climatology	3	E	
GEO 412	Urban Climatology	3	E	
GEO 413	Hydrology	3	E	
GEO 416	Soil Geography	3	E	
GEO 417	Vegetation Studies	3	E	
GEO 418	Ecology of Natural Resources	3	E	
GEO 419	Land Evaluation	3	E	
GEO 420	Floral Geomorphology	3	E	
GEO 421	Geomorphology of the Humid Tropics	3	E	
GEO 431	Political Geography	3	R	
GEO 433	Agricultural Geography	3	R	
GEO 434	Industrial Geography	3	R	
GEO 435	Urban Geography	3	R	
GEO 436	Rural Geography	3	R	
GEO 437	Transport Geography	3	R	
GEO 438	Regional Planning	3	R	
GEO 439	Medical Geography	3	R	

Total Units**60***Course Details*

Course No.	Course Title and Description	Units	Status
GEO 111	Physical Geography The principles and elements of climate, soils and vegetation treated outline form. Simple relationships between earth's surface phenomena and processes	3	R
GEO 131	Human Geography of Africa Political development of different parts of the continent, economic activities of different communities in terms of Agricultural practices and products, commercial and industrial development, minerals and power resources, transportation network, regional economic integration, settlement patterns, population growth and urbanization processes.	3	R
GEO 141	Ibadan Region Ibadan in its Regional setting. The physical geography of Ibadan including its relief, drainage, soils and climates, the human geography of the region including transport, industries, urbanization, trade, residential neighbourhoods infrastructure amenities and other public facilities.	3	R
GEO 181	Practical Geography Simple destruction of maps of various types, topographical map reading to involve the use and significance of scale, conventional signs etc. simple techniques of map making etc.		
GEO 211	Introduction to the Physical Environment Energy systems in the atmosphere, biosphere, hydrosphere, and lithosphere, current environmental issues including air pollution, and other natural hazards, soil erosion, drought,	4	C

	earthquakes, hurricanes floods etc. environmental conservation.		
GEO 231	Introduction to Man Environment Interaction Simple interpretation of man's Environmental challenges; man's responses to and impact on the environments; spatial and functional relationships of settlements and activity resource Relationships.	4	R
GEO 281	Air Photo Interpretation Types and uses of air photo instruments and techniques of air photo interpretation, comparison of map and air photo.	3	R
GEO 282	Map Reading and Interpretation Representation of data, features and phenomena on maps. Analysis of the physical features and human elements on topographical maps based upon the statistical and graphical analyses of their point, linear and area properties. Distributional maps and graphs analysis and interpretation of climatic and geological maps.	14	R
	Total Units	27	
GEO 311	Climatology Trends and concepts in climatology energy and water balance of the earth and its atmosphere; climatic change, the general circulation of the atmosphere. Weather and climate in the Tropics and Temperate Lands.	3	E
GEO 312	Geomorphology Trends and concepts in geomorphology; the factors and processes of landform, the methods of land form study; Landform examples with special reference to African landforms and their analysis on maps aerial photos and direct field observation.	3	E
GEO 313	Biogeography Principles and concepts of biogeography and ecology; the eco-system and its components; biogeochemical cycles, population and community ecology, world ecosystems; conservation.	3	E
GEO 331	Population Geography World population patterns structures and distribution, critical population problems	3	R

	in international and internal migrations; birth and death rates associated socio-economic characteristics, family planning policies and problems.		
GEO 332	Economic Geography Scope and content of economic geography, concepts, principles and models of industrial location. Transportation in production and distribution principles and patterns of international trade.	3	R
GEO 333	Settlement Geography The village in history, rural settlement and organization of rural space. The changing Rural Land, tenure and land reform. The rise and diffusion of urban culture. The pre-industrial revolution and the modern urban and rural growth. Urban fields, development and planning problems, rural-urban interrelations.	3	R

GEO 350	Africa A geographical interpretation of contemporary Africa in terms of its natural resources and economic development. Topical issues with special emphasis on population growth, culture, transportation and manufacturing. Regional economic integration problems and prospects. Selected themes relevant to the development of specific countries.	3	R
	Total Units	21	

Elective Courses (Determined by TEE)

GEO 451	Nigeria Topical issues with special reference to the natural and human resources, water problem, population, urbanization transportation, economic patterns emerging from the development of resources, changing political map, problems and challenges for future development and geographical region of Nigeria.	3	C
GEO 410	Synoptic and Dynamic Climatology Detailed treatment of various atmospheric motions and weather analysis and forecasting satellite climatology.	3	C

GEO 411	Applied Climatology Applications of climatological knowledge in earth and biological sciences, commerce and industry econoclimatology the management of climatic resources, weather control.	3	E
GEO 412	Urban Climatology Detailed treatment of climate effects of urbanization in tropical and temperate latitudes; Air Population Climatology.	3	E
GEO 413	Hydrology The elements of surface hydrology and ground water hydrology, the hydrological equation inputs and/or outputs, water resources inventory and conservation, development of water resources schemes.	3	E
GEO 416	Soil Geopraphy Soil profiles and soil forming environments, soil classification and mapping. The soil as a resource; field and laboratory techniques of soil analysis.	3	E
GEO 417	Vegetation Studies Trends in vegetation ecology, the plant community, vegetation analysis classification and ordination; vegetation environment correlation studies, climax concept.	3	E
GEO 418	Ecology of Natural Resources Man, nature and resources; principles of conservation and resources use; protected ecosystems and landscapes; grasslands and grazing, man's use of water forestry; agricultural systems and production, the sea and its minerals and biological resources, pollution environmental limit of man's economic growth.	3	E
GEO 419	Land Evaluation Concepts and practices of applied physical geography and systems of land classification and evaluation with special reference to integrated surveys remote sensing and other techniques of data collection and analysis; compilation of land and water resources map, cost/benefit analysis.	3	E

GEO 420	<p>Fluvial Geomorphology The role of water in land-form evolution; the river basin form and processes, dynamics of fluvial processes, and the relationship between form and processes; fluvial landforms, the use of models.</p>	3	E
GEO 421	<p>Geomorphology of the Humid Tropics The concept of the tropics/humid tropical geo-morphology, the humid tropical environment; humid tropical processes, weathering, removal and deposition; humid tropical processes and landforms, environmental geomorphology in the tropics.</p>	3	E
GEO 422	<p>Special Topics in Geomorphology This course is designed to cover the following topics among others in geomorphology not included in GEO 420 and GEO 421 slopes, Pleistocene geomorphology, coastal geomorphology structural geomorphology. Each of these or a combination of two, or at most, three will constitute a course.</p>	3	E
GEO 431	<p>Political Geography Survey of classical geography with emphasis on environmentalism, the nation, state and geopolitics. Applied political geography, studies of gerrymending, optimal declimitation of sub-regions and the allocation of facilities for spatial social justice.</p>	3	R
GEO 433	<p>Agricultural Geography Models and theories of agricultural location; agricultural marketing systems, behaviour and probabilistic models of agricultural activities, models of Agricultural development, afforestation and agriculture, agricultural practices; case studies of agricultural typologies.</p>	3	R
GEO 434	<p>Industrial Geography Industrial location theories, factors of industrial location, structural characteristics of manufacturing industries, their relationship with patterns of industrial concentration and migration; typology of industrialization. Case studies of selected industries and industrial regions.</p>	3	R

GEO 435	<p>Urban Geography History of Urbanization, the preindustrial and the modern city. Spatial structure of urbanization. The central place theory, city hinterlands and system of cities. The analysis of urban economic activity, internal structure of cities in the developing countries, problems of urbanization.</p>	3	R
GEO 436	<p>Rural Geography Principles of Human Settlement; the settlement frontier. The structure of space-distance functions and land use. Characteristics of rural population, migration from agriculture. Rural Central Places and peasant marketing. Rural transformation, Land reforms and effects of improved transport. Rural development strategies.</p>	3	R
GEO 437	<p>Transport Geography Scope and content of transport geography. Transport modes and cost structure. Technological developments in transportation. Systems and their impact on economic development. Models of transportation development and planning. Transport and the environment. Transport Planning and problems in developing countries.</p>	3	R
GEO 438	<p>Regional Planning The objective, scope and content of regional planning, the underlying concepts models and theories of regional development, policies, simple techniques of regional analysis, cost-benefit approach to project evaluation, growth centre and growth pole strategies, social and economic overhead capitals; rural development policies, elements of regional policies in national development programmes, particularly of Nigeria.</p>	3	R
GEO 439	<p>Medical Geography Scope, content of medical geography, ecology of disease infections, nutritional and genetic diseases; spatial health planning and disease control, spatial analytical models in medical geography; inter-disciplinary</p>	3	R

	approach in medical research.		
GEO 450	Geography of North America The physical landscape, vegetation, geology and climate; colonization and settlement history. Distribution, structure and growth of population. Urbanization and race relations; aspects of the Economy of United States and Canada, American Economic Impact on Canada.	3	E
	Total Units	60	

Summary

Level	Status	Units
200	Compulsory (1)	4
	Required (3)	21
		25
300	Compulsory ()	
	Required ()	12
	Elective (3)	9
		21
400	Compulsory (2)	6
	Required (8)	24
	Elective (10)	30
		60