**BAYERO UNIVERSITY KANO**

**EARTH AND ENVIRONMENTAL SCIENCES**

**URBAN AND REGIONAL PLANNING**

**B URBAN AND REGIONAL PLANNING**

**30% ADDITION TO THE CCMAS COURSE STRUCTURE/SUMMARY**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Course Code** | **Course Title** | **Units** | **Status** | **LH** | **PH** |
| **100 Level** | | | | | |
| BUK-URP 102 | Elementary Studio | 2 | C | - | 30 |
| BUK-URP 105 | Urban Development Planning | 2 | C | 30 | - |
| BUK-URP 106 | Basic Elements of Planning | 2 | C | 30 | - |
| BUK-URP 107 | Scale and Proportion | 2 | C | 20 | 10 |
| BUK-URP 108 | Information Technology in Planning | 2 | C | 30 | - |
| **Sub Total** | | **10** |  |  |  |
| **200 Level** | | | | | |
| BUK-URP 211 | Rural Development Planning | 2 | C | 30 | - |
| BUK-URP 212 | Environmental Conservation in Planning | 3 | C | 45 | - |
| BUK-URP 213 | Urban Economics | 2 | C | 30 | - |
| BUK-URP 214 | Dynamics of Kano | 3 | C | 30 | - |
| **Sub Total** | | **10** |  |  |  |
| **300 Level** | | | | | |
| BUK-URP 317 | Climate Change and Urban Planning | 2 | C | 30 | - |
| BUK-URP 318 | Field Studies | 3 | C | - | 45 |
| BUK-URP 320 | Infrastructure Planning | 3 | C | 30 | - |
| BUK-URP 321 | Research Methods in Planning | 3 | C | 30 | - |
| **Sub Total** | | **10** |  |  |  |
| **400 Level** | | | | | |
| BUK-URP 409 | Urban Renewal Techniques | 2 | C | 30 | - |
| BUK-URP 410 | Sustainable Resettlement Planning | 2 | C | 30 | - |
| BUK-URP 411 | Environmental Impact Assessment for Planning Projects | 3 | C | 45 | - |
| **Sub Total** | | **07** |  |  |  |
| **500 Level** | | | | | |
| BUK-URP 513 | Disaster Management and Planning | 2 | C | 30 | - |
| BUK-URP 514 | Tourism and Recreational Planning | 2 | C | 30 | - |
| BUK-URP 515 | Planning Seminar | 2 | C | 30 | - |
| BUK-URP 516 | Contemporary Issues in Planning | 2 | C | 30 | - |
| **Sub Total** | | **08** |  |  |  |
| **Total** | | **45** |  |  |  |

Bayero University, Kano (BUK)

Earth and Environmental Sciences

Urban and Regional Planning

B. Urban and Regional Planning

BUK-URP 102 **Elementary Studio**, (2 Units; Core; L = 00; P = 30)

**Senate-approved relevance**

Training of high-quality graduates that possesses relevant skills and knowledge in understanding basic elements of studio. This is in-line with Bayero University’s mission to train students in the use of drawing materials and instruments, techniques of free hand sketching, handling of design tools to address planning and development issues. In addition, the course further boarders around map enlargement and reduction, dimension drawing translating into two and three perspective design. It is also in accordance of the University’s strategic goal of influencing development. Relevance of this skills can translate into map and plan interpretation, colour schemes.

**Overview**

Elementary studio is a strategy that aims at introducing basic studio skills to new students to enable them undertake higher level studios seamlessly. The studio among other things covers basic geometry of lines and circles. It introduces the students to the use of basic studio equipment such as T-Squares, Set-Squares, Stencils, Pens, and related drawing materials.

This course is designed to expose students to various techniques of drawing. This also builds the capacity of students in the area of graphic presentation and basic understanding of maps. Furthermore, the course thrives by expanding the horizon of studio skills through introducing the students to the art of map reduction and enlargement. It also enhance the ability of the student to comprehend spatial composition, know about perspective drawing techniques, dimension drawing and spatial analysis. This course is also designed to expose students to more complex techniques of drawing. It teaches students on graphic presentation e.g. drawing trees, shrubs, grasses, other landscapes and sketches of layout plans. The objectives of the course, learning outcomes, and contents are provided to address this need.

**Objectives**

The objectives of the course are to:

1. Introduce students to understanding of basic drawing tools
2. Identify and handle studio tools effectively
3. Identify lines, colour codes
4. Identify simple drawing techniques and their applications
5. Explain lettering skills
6. Interpret basics of map enlargement and reduction
7. Highlight two and three dimensional composition
8. Describe drawing techniques
9. Spatial analysis and organization; shape profiling, rendering spatial composition (form, texture, tones)

**Learning outcomes**

On completion of the course, students should be able to:

1. Identify basic drawing tools
2. Describe the use of studio tools and their handling
3. Describe shapes particularly lines and colours
4. Examine simple drawing techniques and their application
5. Identify lettering skills
6. Enlarge and reduce maps
7. Identify two and three dimensional composition
8. Explain perspective drawing techniques
9. Describe spatial analysis and organization; shape profiling, rendering spatial composition (form, texture, tones)

**Course contents**

Types of materials and instruments used in drawing, their use and techniques in handling them. Techniques of free hand drawing and sketching. Lettering technique. Professional colour code. Shading techniques in land use planning.

Space composition: types of scale and application, map and plan composition; space computations. Techniques of map reduction and enlargement, dimension drawing and composition and the basics of perspective drawing. Spatial analysis and organization; shape profiling, rendering spatial composition (form, texture, tones)

**Minimum Academic Standards**

Studio space and equipment required in-line with the NUC-MAS requirement facilities.

Bayero University, Kano (BUK)

Faculty of Earth and Environmental Sciences

Urban and Regional Planning

B. Urban and Regional Planning

BUK-URP-105 **Urban Development Planning**, (2 Units; Elective; L = 30; P = 00)

**Senate-approved relevance**

Training of high-quality graduates that possesses relevant skills and knowledge of how cities we see today operate. This is in-line with Bayero University’s mission to develop the student’s critical thinking capacity in planning of cities. It is also in accordance of the University’s strategic goal of addressing African developmental challenges through influencing urban development in Nigeria. Relevance of this skills can translate into policy recommendations and as well develop the students’ critical thinking capacity in solving contemporary urban development issues.

**Overview**

Urban development planning gives a background understanding of how cities we see today emerged. It highlight the factors responsible for city growth and various city forms. It further addresses various dimensions of urban land problems, explain the process of space allocation and standards, methods of study and projection of land use, land demand and use projections, demographic and economic factors in urban development.

The importance of the course lies in meeting the need in achieving sustainable development goals (SDGs) numbers 11 in the area of building a healthy and sustainable communities/cities. The objectives of the course, learning outcomes, and contents are provided to address this need.

**Objectives**

The objectives of the course are to:

1. Determine factors responsible for growth of cities
2. Identify the various forms of cities
3. Assesses the various dimension of urban land problems
4. Determine the process of space allocation and standards
5. Explain methods of land use projections
6. Expose students to operational, restorative and developmental planning
7. Explain the role of demographic and economic factors in urban development
8. Examine urban development planning in Nigeria

**Learning outcomes**

On completion of the course, students should be able to:

1. Explain factors responsible for growth of cities
2. Describe the various forms of cities
3. Able to identify various urban land problems
4. Explain space allocation process and standards
5. Highlight methods of land use projection
6. Explain operational, restorative and developmental planning
7. Describe the demographic and economic factors in urban development
8. Examine urban development planning trend in Nigeria

**Course contents**

The concept of urban development. Growth factors and forms of cities. Dimensioning urban land use problems. Process of space allocation standards. Methods of study and projection of land use. Land demand and use projections.

Demographic and economic factors in urban development. Planning and cities. Operational, restorative and developmental planning. Master plan, new town and social responsibilities of planner. Urban development planning in Nigeria.

**Minimum Academic Standards**

Lectures space and equipment required in-line with the NUC-MAS requirement facilities.

Bayero University, Kano (BUK)

Faculty of Earth and Environmental Sciences

Urban and Regional Planning

B. Urban and Regional Planning

BUK-URP-106 **Basic Elements of Planning** (2 Units; Elective; L = 30; P = 00)

**Senate-approved relevance**

Training of high-quality graduates that possesses relevant skills and knowledge in understanding the rationale and philosophy behind planning. This is in-line with Bayero University’s mission to address African developmental challenges through training of students on the basic elements of planning. It is also in accordance of the University’s strategic goal of influencing development through knowledge gain. Relevance of this skills can translate into broadening the students understanding of urban planning process.

**Overview**

Basic elements of planning is a course that gives the students a basic understanding of the rationale, philosophy and characteristics of planning. It gives them a background knowledge of models and theories in urban and regional planning. This course is designed to expose students to principles and practice of planning for comprehensive redevelopment.

The importance of the course lies in meeting the need in achieving sustainable development goals (SDGs) number 11 in the areas of building a healthy and sustainable communities/city. The objectives of the course, learning outcomes, and contents are provided to address this need.

**Objectives**

The objectives of the course are to:

1. Identify the philosophy of planning
2. Identify various models and theories in urban and regional planning
3. Describe various forms of surveys in planning
4. Explain internal structure and forms of Nigerian cities.
5. Describe a city as a system and various planning standards
6. Describe the principles and practice of district or town plan, master plan, structure plan townscape and civic design
7. Examine the need for comprehensive redevelopment

**Learning outcomes**

On completion of the course, students should be able to:

1. Explain the rationale, philosophy and characteristics of planning
2. Describe the various models and theories in urban and regional planning
3. Explain the various forms of surveys in planning
4. Explain the internal structure and forms of Nigerian cities.
5. Describe a city as a system and various planning standards
6. Explain the principles and practice of district or town plan, master plan, structure plan townscape and civic design
7. Understand planning for comprehensive redevelopment

**Course contents**

Purpose, characteristics and philosophy of planning. The rational for town planning. Theory and models of urban and regional planning. Information requirements and basic forms of survey for planning and urban design e.g. land use, condition of buildings, traffic studies, and socio-economic surveys. Internal structure and form of Nigerian cities.

Use of models in planning. The planning process. The city as a system. Planning standards and subdivision control. The development plan system. The principles and practice of district or town plan, master plan, structure plan, townscape and civic design. Planning for comprehensive redevelopment

**Minimum Academic Standards**

Lectures space and equipment required in-line with the NUC-MAS requirement facilities.

Bayero University, Kano (BUK)

Faculty of Earth and Environmental Sciences

Urban and Regional Planning

B. Urban and Regional Planning

BUK-URP 107 **Scale and Proportion**, (2 Units; Core; L = 20; P = 10)

**Senate-approved relevance**

Training of high-quality graduates that possesses relevant skills and knowledge in understanding basic elements of studio. This is in-line with Bayero University’s mission to train students in the use of drawing materials and instruments, techniques of free hand sketching, handling of design tools to address planning and development issues. It is also in accordance of the University’s strategic goal of influencing development. Relevance of this skills can translate into map and plan interpretation, colour schemes.

**Overview**

Scale and Proportion is a hands-on course that aims at providing students the ability to conduct physical measurement, creating maps, and the scaling techniques. The course also imparts on students the basic knowledge and understanding of measurement units and how to covert between them as important preparatory tools for a future as town planners.

This course is designed to expose students to various techniques of mapping that includes classifications, simplification and symbolisation. The course also builds the capacity of students in the area of graphic presentation and basic understanding of maps. The objectives of the course, learning outcomes, and contents are provided to address this need.

**Objectives**

The objectives of the course are to:

1. Explain the basic units of measurement
2. Describe the principles of anthropogenic measurements and how to use them
3. Identify map scales, their derivation and conversions
4. Explain the appropriate map making skills for a future in planning
5. Explain the theories of proportion and the application of appropriate proportion in design for balance and beauty

**Learning outcomes**

On completion of the course, students should be able to:

1. Describe measurements and how to use them in physical measurements where necessary
2. Explain measurement units and conduct physical measurements
3. Highlight, use, derive and convert between scales.
4. Highlight simple maps and be able to classify, simplify and symbolise features.
5. Describe theories of proportion
6. Explain appropriate proportion in design for balance and beauty.

**Course contents**

Units of measurement (imperial and metric). Linear, areal and volumetric measurements. Conversion between measurements. Human being as the basis of scale and human based scaling. Types of scale. Types of geographic scale. Conversion between scales. Large vs small scales.

Classifications, simplification and symbolisation of map features. Scale derivation method. Theories of proportion; Anthropometry, Golden Section, Le Cobusier’s Modulor System. Proportion and balance in design.

**Minimum Academic Standards**

Studio space and equipment required in-line with the NUC-MAS requirement facilities.

Bayero University, Kano (BUK)

Faculty of Earth and Environmental Sciences

Urban and Regional Planning

B. Urban and Regional Planning

BUK-URP 108 **Information Technology in Planning**, (2 Units; Core; L = 30; P = 00)

**Senate-approved relevance**

Training of high-quality graduates that possesses relevant skills and knowledge in understanding basic elements of studio. This is in-line with Bayero University’s mission to train students in the use of drawing materials and instruments, techniques of free hand sketching, handling of design tools to address planning and development issues. It is also in accordance of the University’s strategic goal of influencing development. Relevance of this skills can translate into map and plan interpretation, colour schemes.

**Overview**

Information Technology in Planning is designed to prepare students for planning practice in Information Technology-driven world. Today more than ever, technology is penetrating daily life resulting in significant changes in lifestyles and work patterns. Technology is reshaping the way people live and have re-structured and disrupted traditional business models.

In this course, students will understand these changes, their value in planning and how to leverage on them to, among other things, minimise the cost of data collection, enhance urban security, promote urban integration, manage urban appurtenances, set and attain ‘smart city’ goals.

**Objectives**

The objectives of the course are to:

1. Describe Computer and IT systems.
2. Explain Databases and Cloud Technology.
3. Explain Internet and changing business pattern.
4. Identify Internet of things.
5. Examine Planning apps.
6. Examine Virtual Reality.
7. Describe Smart cities

**Learning outcomes**

On completion of the course, students should be able to:

1. Describe Computer and IT systems.
2. Explain the linkages between Databases and Cloud Technology.
3. Explain how Internet is changing business pattern and its effect on planning.
4. Explain the concept of ‘Internet of things’ and its potentials for ‘smart city’
5. Examine Planning apps based on task at hand
6. Describe the concept of Virtual Reality.

**Course contents**

Computer and IT systems. Databases and Cloud Technology. Internet and changing business pattern. Internet of things. Planning apps. Virtual Reality. Smart cities.

**Minimum Academic Standards**

Studio space and equipment required in-line with the NUC-MAS requirement facilities.

Bayero University, Kano (BUK)

Faculty of Earth and Environmental Sciences

Urban and Regional Planning

B. Urban and Regional Planning

BUK-URP 211 **Rural Planning and Development**, (2 Units; Elective; L = 30; P = 00)

**Senate-approved relevance**

Training of high-quality graduates that possesses relevant skills and knowledge in understanding rural areas, identifying their potentials for proper planning and development of the rural areas in Kano and Nigeria at large. This is in-line with Bayero University’s mission to address African developmental challenges in planning and development of rural areas. It is also in accordance of the University’s strategic goal of influencing development. Relevance of this skill can translate into rural, regional and national development through addressing rural-urban migration, minimizing urban problems of overcrowding and other social problems and increase the productivity of the rural populace.

**Overview**

Rural planning and development is a strategy that aims at exploring the potentials of the rural areas and developing these potentials for the benefit of the rural people and national development at large, it can also stop the people from migrating to urban areas for better employment and standard of living. This highlights the importance of preparing students in rural planning and development with knowledge and skills on how to explore their potentials and harness them for rural and national development.

This course is designed to expose students to various techniques of identifying potentials in rural areas and develop them for rural and national development. This also builds the capacity of students in the area of boosting individual, local and national economy using the available potentials in rural areas of Kano and Nigeria at large. The importance of the course is also targeted at achieving sustainable development (development that meets the present and future needs of both the rural and urban populace) in-line with the sustainable development goals (SDGs) numbers 3, 8,9,10,11, and 17 in the areas of good health and well-being, decent work and economic growth, innovation, reduced inequalities and sustainable communities respectively. The objectives of the course, learning outcomes, and contents are provided to address this need.

**Objectives**

The objectives of the course are to:

1. Identify rural areas and describe their characteristics
2. Identify the types of rural areas
3. Describe rural areas
4. Determine the relationship between the rural areas and their neighbouring urban areas
5. Identify the available potentials of the rural areas
6. Analyse the potentials and distribution
7. Identify the theories related to rural planning and development
8. State the need for rural planning
9. Plan the rural land uses in-line with the regional and national policies
10. Explain the implications of neglecting rural areas at the local, regional and national levels

**Learning outcomes**

On completion of the course, students should be able to:

1. Identify the techniques of classifying rural areas and their characteristics
2. Explain the types of rural areas/settlements and their patterns
3. Explain the techniques of delineating rural areas
4. Identify the symbiotic relationship between the rural and urban areas
5. Identify potentials of rural areas and techniques in harnessing the potentials for development at all levels
6. Identify the potentials and determine the possibility of exploiting it for the development of the rural areas
7. Explain at least two (2) theories of rural planning and development
8. Explain the importance of rural planning beyond the rural level
9. Describe rural areas according to the state or national policies
10. Explain the consequences of not planning and developing the rural areas

**Course contents**

Definition of a rural area. Types and delineation of rural settlement. Characteristics of rural settlements in Kano. Basis for settlement. Socio-economic activities of rural areas in Kano. Factors affecting site and location of rural settlement. Rural settlement pattern and characteristics in Kano. Rural – urban relationship in Kano region.

Problems of rural environment. The need for rural planning. Settlement pattern origin and growth. Emergence and factors responsible for growth. Form and structure of rural areas/settlements. Village planning in the context of national and regional policies. Community development. Rural land uses. Rural land use planning. Village infrastructure planning and development. Model village planning.

**Minimum Academic Standards**

Vehicle for field studies in rural areas with a NUC-MAS requirement facilities.

Bayero University, Kano (BUK)

Faculty of Earth and Environmental Sciences

Urban and Regional Planning

B. Urban and Regional Planning

BUK-URP-212 **Environmental conservation in planning** (3 Units; Elective; L = 30; P = 00)

**Senate-approved relevance**

Training of high-quality graduates that possesses relevant skills and knowledge in understanding Environmental conservation in planning. This is in-line with Bayero University’s mission to train students in the area of environmental conservation which will better lead to natural resource conservation, and management ultimately environmental sustainability. It is also in accordance of the University’s strategic goal of environmental planning and conservation. Relevance of this skills can translate the creation of a win-win scenario for both the environment and people at large.

**Overview**

Environmental conservation in planning seeks to educate students on the management of the environment and natural resources including water, soil, air and wild life as well as human development and the interaction of these systems. It is a decision making process to carry out land development with the consideration of the natural environment social, political, economic and governance factors and to provide a framework for the purpose of achieving a sustainable outcome.

A Major goal of environmental conservation in planning is to create a sustainable communities which aim to conserve and protect undeveloped land. The objectives of the course, learning outcomes, and contents are provided to address this need.

**Objectives**

The objectives of the course are to:

1. Introduce students to environmental and sustainable planning concepts
2. Identify environmental problems in the likes of atmospheric pollution and green house effects; soil erosion, water pollution, deforestation and desertification
3. Explain development of human built environment towards avoiding and minimizing the impact on natural systems
4. Describe conservation principles and techniques in natural resources management
5. Expose the concept of ecosystems planning
6. Describe the interrelationships and differences between environment and ecosystems
7. Describe ecosystem restoration in promoting environmental planning

**Learning outcomes**

On completion of the course, students should be able to:

1. Describe the concept of environment and environmental sustainability
2. Explain environmental problems and mechanisms for control
3. Urban development: aspects and activities in urban environment, urban environmental planning principles
4. Describe the principles and techniques of conservation
5. Describe the concept of ecosystems
6. Explain ecosystem restoration in attaining spatial planning

**Course contents**

Concepts of development as it relates to the environment. Environmental problems. Sustainable development and environmental planning objectives. Atmospheric pollution and green house effects. Soil erosion, water pollution, deforestation and desertification. Ecological, cultural and resource management concerns. Urban environment.

Environmental management projects: urban environmental planning principles and practices. Nigerian Policy and Practice on the Environment. Environment and ecosystems. Interrelationships and differences. Ecosystems planning. Importance of ecosystems. Ecosystem services in land-use and environmental planning. Ecosystems services and environmental wellbeing. Ecosystem services in contemporary urban planning. Ecosystem restoration in promoting environmental planning

**Minimum Academic Standards**

Lecture rooms/ theatres in-line with the NUC-MAS requirement facilities.

Bayero University, Kano (BUK)

Faculty of Earth and Environmental Sciences

Urban and Regional Planning

B. Urban and Regional Planning

BUK-URP 213 **Urban Economics**, (2 Units; Elective; L = 30; P = 00)

**Senate-approved relevance**

Training of high-quality graduates that possesses relevant skills and knowledge in understanding urban land markets and its mechanisms. This is in-line with Bayero University’s mission to train students in the areas of micro-economic concepts in urban planning analyses and its applicability to addressing urban growth and development issues. It is also in accordance of the University’s strategic goal of influencing and adding to development. Relevance of this skills can translate isues of urban land economics and cities as centers of innovation and development.

**Overview**

The field of urban economics addresses a wide variety of questions and topics. At the most general level, the course covers application of micro-economic concepts to urban planning analyses and problem solving. Spatial price theory and application.

Interaction of land, labor, capital management and capacity and efficiency; theory of rent, relation to value and spatial allocation of land uses to various competitive activities. Economics of urban growth and spatial structure, the urban formal and informal economic structure.

**Objectives**

The objectives of the course are to:

1. Identify basic economic principles geared toward understanding different urban phenomenon.
2. Explain market forces behind the development of cities
3. Explain spatial pricing in relation to cities and urban growth and decline.
4. Describe land market and the government’s control of land use
5. Explain segregation and the spatial aspects of poverty and crime.

**Learning outcomes**

On completion of the course, students should be able to:

1. Identify basic economic principles in relation to urban phenomenon.
2. Explain market forces behind the development of cities
3. Describe spatial pricing mechanisms on cities, explain reasons behind cites growth and decline
4. Explain land markets, government’s control of land use and how these force operate.
5. Identify and address the spatial manifestation of poverty and crime in cities.

**Course contents**

The application of micro-economic concepts to urban planning analyses and problem solving. Spatial price theory and application. Interaction of land, labor, capital management and capacity and efficiency.

Theory of rent, relation to value and spatial allocation of land uses to various competitive activities. Economics of urban growth and spatial structure. The urban formal and informal economic structure.

**Minimum Academic Standards**

Lecture rooms/ theatres in-line with the NUC-MAS requirement facilities.

Bayero University, Kano (BUK)

Faculty of Earth and Environmental Sciences

Urban and Regional Planning

B. Urban and Regional Planning

BUK-URP-214 **Dynamic Kano**, (2 Units; Elective; L = 30; P = 00)

**Senate-approved relevance**

Training of high-quality graduates that possesses relevant skills and knowledge in understanding the dynamics of Kano city. This is in-line with Bayero University’s mission to address African developmental challenges by expose students to the history and understanding of their locality (Kano) and its surrounding urban environments. It is also in accordance of the University’s strategic goal of influencing development through urban planning. Relevance of this skills can translate into understanding the population, multiculturalism and urban dynamics of Kano.

**Overview**

Dynamic Kano introduces students to the understanding of the history and evolution of Kano and its surrounding urban environments. It exposes the students to its physical and environmental variables, and also how various neighbourhoods emerged across time. It further explore how commerce and industries have shaped urban Kano.

Dynamic Kano explains the population and multiculturalism of Kano and as well compare traditional planning with modern planning in the city and finally highlight the current planning challenges in modern Kano. The importance of the course lies in meeting the need in achieving sustainable development goals (SDGs) number 11 in the area of building a healthy and sustainable communities/cities. The objectives of the course, learning outcomes, and contents are provided to address this need.

**Objectives**

The objectives of the course are to:

1. Explain the history and evolution of Kano city
2. Study the physical and environmental components of the city
3. Identify Kano heritage sites and monuments, festivals and events.
4. Assess how commerce and industries have shaped Kano
5. Examine the population and multiculturalism of Kano
6. Compare the traditional planning system with land use management institutions
7. Highlight the emergence of modern planning
8. Highlight the planning challenges in modern Kano
9. Identify and understanding of the past and present experiences of northern Nigerian cities
10. Explain the Islamic perspectives on neighbourhood planning and space organization
11. Explain the principles of separation of land use activities
12. Describe the rules governing building forms and use of built spaces
13. Explain the Principles of land restoration

**Learning outcomes**

On completion of the course, students should be able to:

1. Explain the history of Kano and how various neighbourhoods emerged
2. Explain the physical and environmental variables of the city
3. Identify Kano Heritage sites and monuments and as well be conversant with the festivals and events in Kano
4. Determine how commerce and industries have shaped Kano
5. Explain the population and multiculturalism of Kano
6. Describe traditional planning and land use management institutions
7. Explain how modern planning emerged
8. Highlight the planning challenges in modern Kano

Describe the past and present experiences of northern Nigerian cities and other sub-Saharan African cities

2. Explain the Islamic perspectives on neighbourhood planning and space organization

1. Highlight the principles of separation of land uses
2. Explain the rules governing building forms and use of built spaces
3. Describe the principles of land restoration

**Course contents**

History and evolution of Kano its surrounding urban environments. Kano physical and environmental variables – landscapes, weather and climate, ecology etc. History and emergence of neighbourhoods in Kano over space and time. Industry and commerce. City and Polity. Heritage sites and monuments. Festivals and events in Kano. Population and multiculturalism – past and present. Traditional planning and land use management institutions. Emergence of modern planning and its history. Planning challenges in modern Kano.

This course draws from case studies and examples of past and present experiences of northern Nigerian cities: Sokoto, Kano, Zaria and other sub-Saharan African cities as well as cases of Mecca and Medina. Islamic perspectives on neighbourhood planning. Space organization and spirituality through Qibla. Principles of separation of land use activities. Rules governing building forms and use of built spaces. Rules on protection of nature in the city. Urban security and safety rules. Principles of land restoration

**Minimum Academic Standards**

Lectures space and equipment required in-line with the NUC-MAS requirement facilities.

Bayero University, Kano (BUK)

Faculty of Earth and Environmental Sciences

Urban and Regional Planning

B. Urban and Regional Planning

BUK-URP 317 **Climate Change and Urban Planning,** (2 Units; Elective; L = 30; P = 00)

**Senate-approved relevance**

Training of high-quality graduates that possesses relevant skills and knowledge in understanding the dynamics of climate change and the way and manner in which it affects planning. This is in-line with Bayero University’s mission aimed at addressing African developmental challenges through teaching, research and community service. The course further broaden students understanding of the drivers of climate change, its effects on local, regional and global environments. It is also in accordance of the University’s strategic goal of influencing development. Relevance of this skills can also translate into understanding of planning response to climate change, adaptive strategies at national, regional, urban and neighbourhood levels.

**Overview**

The course is aimed at introducing the students to the broader understanding of climate change, evidences of changing climate and how it affects communities/societies and urban environments.

This also builds the capacity of students in the understanding of the method of determining urban climate influence and adaptive strategies at national, regional, urban and neighbourhood levels.

**Objectives**

The objectives of the course are to:

1. Identify the concept of climate change
2. Highlight the indicators of climate change
3. Explain the causes of climate change and its drivers
4. Assess the extent of vulnerability of urban areas to climate change
5. Identify the method of determining urban climate influence
6. Explain the impact of climate change and the urban poor
7. Explain to determine the adaptive strategies at national, regional, urban and neighbourhood levels

**Learning outcomes**

On completion of the course, students should be able to:

1. Identify the concept of climate change
2. Identify the indicators of climate change
3. Highlight the causes and drivers of climate change
4. Identify areas vulnerable to climate change
5. Explain urban micro climate
6. Determine the effect of climate change on the urban poor
7. Describe the adaptive strategies across all planning levels

**Course contents**

Definition and characteristics of climate change. Indicators of climate change. Evidence of climate change. Urban heat island and climate change. Causes of climate change. Drivers of climate change. Climate change problems and mitigation methods and strategies. Vulnerability of urban areas to climate change. Climate change and the urban poor.

Adaptation and mitigation measures. Urban climate and governance. Method of determining urban climate influence. Planning responses to climate change. Adaptive strategies at national, regional, urban and neighbourhood levels.

**Minimum Academic Standards**

Lecture rooms/halls required in-line with the NUC-MAS requirement facilities.

Bayero University, Kano (BUK)

Faculty of Earth and Environmental Sciences

Urban and Regional Planning

B. Urban and Regional Planning

BUK-URP 318 **Field Studies** (3 Units; Elective; L = 00; P = 45)

**Senate-approved relevance**

Training of high-quality graduates who are highly skilled and knowledgeable in practical. This is in-line with Bayero University’s mission on teaching, research and community service. This can be achieved through visit to local areas of planning interest where students can visualize the theoretical knowledge taught to them in the class rooms. Relevance of this course can be seen in students ‘ability to link theoretical knowledge with the practical experience, and be able to provide sustainable solutions to planning challenges.

**Overview**

Field studies are local visit to areas of planning interest within Kano region to expose students to practical field experience. This course is designed to expose students to independent skills of investigation in panning, and proposals that can meet the needs of localities visited.

It also build the capacity of students to relate theoretical aspect with practical experience for a better, informed and evidence-based planning. The objectives of the course, learning outcomes, and contents are provided to address this need.

**Objectives**

The objectives of the course are to:

1. Visit to local areas of planning interest
2. Link theoretical knowledge to practical experience
3. Expose students to skills of critical thinking
4. Highlight evidence-based spatial planning
5. Identify spatial arrangement of land uses and infrastructural facilities, their status and areas that need further action

**Learning outcomes**

On completion of the course, students should be able to:

1. Identify areas that needs planning
2. Explain theoretical knowledge with practical experience
3. Identify planning needs of an area
4. Highlight the need of people based on their needs/demands
5. Highlight the need for spatial arrangement of land uses and infrastructural facilities, their status and areas that need further action.

**Course contents**

Visit to local areas of planning interest. Studies should include land uses, housing, recreation, waste disposal, industrial, market, transportation. Technical reporting.

**Minimum Academic Standards**

Vehicle and equipment required in-line with the NUC-MAS requirement facilities.

Bayero University, Kano (BUK)

Faculty of Earth and Environmental Sciences

Urban and Regional Planning

B. Urban and Regional Planning

BUK-URP 320 **Infrastructure planning** (3 Units; Elective; L = 45; P = 00)

**Senate-approved relevance**

Training of high-quality graduates that possesses relevant skills and knowledge in the field of infrastructure planning. This is in-line with Bayero University’s mission to train students in the understanding for the need for infrastructure development in fostering local and national development. It is also in accordance of the University’s strategic goal of providing infrastructure towards creating conducive atmosphere for learning. Relevance of this skills can translate to the drive for enhanced infrastructure for better living and working conditions

**Overview**

Infrastructure planning aims to teach students on the need for planning of infrastructure facilities considering the critical role they play towards fostering local and national development, which in the long run support liveability. It involves the planning and design of optimal infrastructure elements such as hardware, network and storage capacity to satisfy the scalability, availability and performance requirements.

The course gives an insight on the overall situation of infrastructure in terms of condition, quality and quantity as well as the agencies responsible for the provision of infrastructural facilities. Estimates and future demand projection of wide range of infrastructural facilities ranging from water supply, electricity supply, sewerage treatment and solid waste is projected to meet the future demand of the population. In addition, planning consideration for infrastructural facilities, utilities and services is also

The objectives of the course, learning outcomes, and contents are provided to address this need.

**Objectives**

The objectives of the course are to:

1. Explain the concept of both hard and soft infrastructure and infrastructure planning
2. Expose the students to the origin, management and ownership structure of infrastructure
3. Explain water demand and projection
4. Describe planning requirement for Fire services
5. Highlight planning considerations for telecommunication services
6. Highlight planning provision for electricity supply
7. Explain sewerage treatment
8. Explain planning provisions on solid waste management

**Learning outcomes**

On completion of the course, students should be able to:

1. Explain infrastructures with examples
2. Explain the origin, management and ownership structure of infrastructure
3. Highlight present and future demand of water for a given period of time
4. Describe water requirement for fighting fire disasters
5. Explain planning requirement for telecommunication services
6. Explain planning consideration for electricity supply
7. Describe sewage composition and sewerage treatment

**Course contents**

Concepts of infrastructure. The need for infrastructure planning and the role of urban planners in provision of infrastructure. Water supply: quality and quantity and accessibility, water demand and projection, water treatment processes, water supply and distribution. Sewerage treatment. Fire service. Solid waste management.

Telecommunication. Urban drainage Sewerage and drainage design and layout, storm water and sewerage collection and treatment. Wire based utilities like telephone, telegraph, electricity, telephone, GSM stations etc

**Minimum Academic Standards**

Lecture rooms/ theatres in-line with the NUC-MAS requirement facilities.

Bayero University, Kano (BUK)

Faculty of Earth and Environmental Sciences

Urban and Regional Planning

B. Urban and Regional Planning

BUK-URP 321 **Research Methods in Planning**, (2 Units; Elective; L = 30; P = 00)

**Senate-approved relevance**

Training of high-quality graduates who are highly skilled and knowledgeable in research techniques in planning. This is in-line with BUK’s mission to address African developmental challenges through teaching and cutting-edge research. The course is relevant in overcoming the emerging planning challenges at local, regional and national levels, and a prerequisite knowledge required for postgraduate studies.

**Overview**

Knowledge and skills of research is vital in conducting planning researches for a better and informed evidence-based decision making about planning issues. This highlights the importance of preparing students in research as it is the backbone of every field of study.

This course is designed to expose students to various components of research in planning, types of research, procedure for conducting research in planning and presentation of the findings and planning proposals. This builds the capacity of the students in the area of research. The objectives of the course, learning outcomes, and contents are provided to address this need.

**Objectives**

The objectives of the course are to:

1. Acquire the skills of review
2. Distinguish between the different types of research in planning
3. Describe components of a research proposal in planning
4. Highlight suitable technique in conducting planning research
5. Determine the data requirement for a research
6. Describe the suitable instruments to be used for data collection in various planning research
7. Familiar with principles of technical and scientific writing

**Learning outcomes**

On completion of the course, students should be able to:

1. Review literature required to avoid plagiarism
2. Highlight the differences between qualitative and quantitative research
3. Explain the components of a good research proposal in planning
4. Assess the qualitative and quantitative researches and determine the best to apply for panning research
5. Identify the data requirement for a selected research
6. Identify the determine suitable instrument for data collection for a particular research
7. Highlight principles and techniques of scientific writing of research findings in planning

**Course Contents**

The position of research in planning. Literature review. Nature and types of research. Research process. Elements of research proposal. Types and methods of data collection. Population and sampling. Types of sampling, sampling technique/procedure, sample size. Sources of information in planning. Instruments for data collection.

Designing of questionnaire. Procedure for data collection. Processing of data, analysis techniques. Data interpretation and presentation computers. Technical writing of research reports. Oral presentation of research output. Principles of technical and scientific writing.

**Minimum Academic Standards**

Class/Lecture hall with a NUC-MAS requirement facilities.

Bayero University, Kano (BUK)

Faculty of Earth and Environmental Sciences

Urban and Regional Planning

B. Urban and Regional Planning

BUK-URP 409 **Urban Renewal Techniques** (2 Units; Elective; L = 30; P = 00)

**Senate-approved relevance**

Training of high-quality graduates that possesses relevant skills and knowledge of urban renewal and techniques used in undertaking such renewals in order to improve living conditions of people in urban areas. This is in-line with BUK’s mission to address African developmental challenges through teaching, research and community service. The relevance of this course can be seen in planners from Bayer University being able to undertake urban renewal programmes and at the same time improve the well-being of urban residents in Kano and Nigeria at large.

**Overview**

Urban renewal technique is a significant approach used in re-shaping the image of urban areas and their morphology through upgrading the unplanned or dilapidated areas of cities so that they can compete with their counterparts in all the dimensions of sustainability namely social, economic and environment.

The course also exposes students on approaches to revive informal areas/cities to a modern one. The importance of the course is also in-line with the requirements of the United Nations Sustainable Development Goals (SDG) 11 in the area of sustainable communities/cities.

**Objectives**

The objectives of the course are to:

1. Introduce students to understanding of the Urban renewal as a technique
2. Explain urban renewal strategies
3. Describe the cost and benefits of urban renewal schemes
4. Assess the economic, social and environmental impacts of urban renewal
5. Explain the procedure and management of urban renewal schemes
6. Highlight case studies of renewal schemes in Nigeria, their status in terms of success and failure

**Learning outcomes**

On completion of the course, students should be able to:

1. Highlight Urban renewal as a technique for improving living conditions in urban areas
2. Highlight urban renewal strategies
3. Explain the cost and benefits of urban renewal schemes
4. Describe the economic, social and environmental impacts of urban renewal
5. Give examples of case studies of urban renewal schemes in Nigeria, their success or failure

**Course contents**

The concept of urban renewal. Urban renewal as a technique for improving living conditions. Methods of slum assessment. Urban renewal strategies. Cost and benefits of urban renewal schemes.

Economic and social consideration for urban renewal. Management of urban renewal schemes. Case studies of renewal schemes in Nigeria. Field studies to determine areas the needs to undergo renewal and justification for that.

**Minimum Academic Standards**

Lecture rooms/halls required in-line with the NUC-MAS requirement facilities.

Bayero University, Kano (BUK)

Faculty of Earth and Environmental Sciences

Urban and Regional Planning

B. Urban and Regional Planning

BUK-URP 410 **Sustainable Resettlement Planning**, (2 Units; Elective; L = 30; P = 00)

**Senate-approved relevance**

Training of high-quality graduates that possesses relevant skills and knowledge in regional planning and its potentials for development. This is in-line with Bayero University’s mission to address African developmental challenges in planning and development through teaching and cutting-edge research. It is also in accordance of the University’s strategic goal of influencing development. Relevance of this skill can translate into planning and development of the North Western region and the nation at large through exploring the potentials for development, planning for satellite towns to facilitate the spread of development

**Overview**

Resettlement planning and development is a strategy that aims at exploring the need for resettlement and possibility for resettling population in a sustainable manner. This highlights the importance of preparing students in resettlement planning and development with knowledge and skills on how to plan, implement, monitor and evaluate resettlement schemes.

This course is designed to expose students to the possibility of resettling people and in-line with the national policy and guidelines.

It also builds the capacity of students in the areas of resettlement procedure, planning, implementation, monitoring and evaluation of resettlement schemes. The importance of the course is also targeted at achieving sustainable development (development that meets the present and future needs of the resettled populace) in-line with the sustainable development goals (SDGs) numbers 3, 8, 11, and 16 in the areas of good health and well-being, decent work and economic growth, innovation, sustainable cities and communities, with peace, justice and strong institutions respectively. The objectives of the course, learning outcomes, and contents are provided to address this need.

**Objectives**

The objectives of the course are to:

1. Explain the concept of resettlement, principles and types
2. State the procedure for resettlement
3. Determine the social, economic and environmental impacts of resettlement
4. Identify case studies of resettlement schemes in the north west
5. The need for resettlement as stated in the national policy

**Learning outcomes**

On completion of the course, students should be able to:

1. Explain the concept and types of resettlement
2. Describe the procedure for resettlement
3. Highlight the social, economic and environmental impacts of resettlement
4. Highlight examples of resettlement schemes in the north west
5. Highlight the need for resettlement in line with the national policy

**Course contents**

Concept and types of resettlement. Causes of resettlement. Development-induced displacement and resettlement. Principles of resettlement. Development induced displacement and resettlement theory. Planning procedure of resettlement. Implementation of resettlement proposals.

Monitoring and evaluation of resettlement schemes. Social, economic, cultural and environmental impacts/implications of resettlement. Case studies of resettlement schemes in the north western Nigeria. Acceptability in Success and failures of resettlement schemes.

**Minimum Academic Standards**

Vehicle for field studies NUC-MAS requirement facilities.

Bayero University, Kano (BUK)

Faculty of Earth and Environmental Sciences

Urban and Regional Planning

B. Urban and Regional Planning

BUK-URP 411 **Environmental Impact Assessment for Planning Projects**, (3 Units; Elective; L = 45; P = 00)

**Senate-approved relevance**

Training of high-quality graduates that possesses relevant skills and knowledge in environmental impact assessment as it relates to Urban and Regional Planning. This is in-line with Bayero University’s mission to address African developmental challenges in planning and development through teaching and cutting-edge research. It is also in accordance of the University’s strategic goal of influencing development. Relevance of this skill can translate into sustainable planning and development that takes into consideration of the well-being of the natural environment and combating the effect of climate change on humans.

**Overview**

Environmental impact assessment aims at exploring the environmental and ecological assets available within and around an area proposed for development. This prepares students in suggesting mitigative measures of the impact of the development on the environment so as to strike a balance between environment and development.

This course is designed to expose students to the importance of the environment assets and the need to protect/conserve them in-line with the national policy. It also builds the capacity of students in the areas of conservation of environmental assets and mitigation of environmental problems such as flooding, deforestation, climate change and other related problems. The importance of the course is also targeted at achieving sustainable development (development that meets the present and future needs of the resettled populace) in-line with the sustainable development goals (SDGs) numbers 11, 13 and 17 in the areas of sustainable cities and communities, climate action and partnerships for goals respectively. The objectives of the course, learning outcomes, and contents are provided to address this need.

**Objectives**

The objectives of the course are to:

1. Describe the value of the environmental and ecological assets and their contribution in the sustainability of the planning and human systems.
2. Assess environmental impact of development/planning projects and implementation
3. Determine the measures/strategies to be adopted in mitigating the identified impacts
4. Explain different techniques of assessing environmental impacts in planning
5. Explain the application of digital technology in assessment of environmental impact of planning/developmental projects
6. Explain the position of environmental impact assessment in urban and regional planning

**Learning outcomes**

On completion of the course, students should be able to:

1. Identify the environmental and ecological assets and the implication of tempering with their natural form
2. Assess the impact of planning and development on the environment
3. Identify strategies of mitigating the impacts
4. Highlight the techniques of assessing environmental impacts
5. Acquire skills of adopting digital technology in the assessment of environmental impact
6. Explain environmental impact assessment as captured Urban Planning Act

**Course contents**

Concept of the environment. System of environmental studies. Concept of environmental impact assessment. Ecosystems in their undisturbed form. Impact of socioeconomic system and spatial process (settlement, transportation, land use etc.). Environmental protection. Feasibility studies, technology in industry, agricultural production and processing and their environmental impacts. Quality of preparing and writing impact statement. Technology of environmental impact assessment and planning.

Policy uses of Environmental impact statement (EIS) and environmental audit, etc. Nuisance abatement and performance aspects of environmental protection. Different method of assessing the impact of proposed development in the existing physical, social, economic and technological frameworks.

**Minimum Academic Standards**

Lecture rooms/halls required in-line with the NUC-MAS requirement facilities.

Bayero University, Kano (BUK)

Faculty of Earth and Environmental Sciences

Urban and Regional Planning

B. Urban and Regional Planning

BUK-URP 513 **Disaster Management and Planning**, (3 Units; Core; L = 30; P = 00)

**Senate-approved relevance**

Training of high-quality graduates that have relevant knowledge base in terms disasters, hazards and vulnerability, whilst recognizing the impact of disasters on cities and settlements and how to mitigate and prevent them. This is in-line with the University’s mission to train students that can address planning and development issues in relation to disaster management. It is also in accordance of the University’s strategic goal of influencing urban development. Relevance of this course can translates into better planning and managing for/of disaster eventualities.

**Overview**

The course revolves around natural and man – made disasters, and other activities that occur due to man’s unsustainable activities practices on the environment. It is drafted/designed such that students have a good grasp of issues around disasters, their types, and management, risk prone settings, vulnerability, how to assess them and proffer mitigative, adaptative and preventive measures.

**Objectives**

The objectives of the course are to:

1. Identify natural and man-made disasters, hazards and vulnerability.
2. Describe the impact of disasters on cities and settlements, measures of disaster risk reduction, prevention and mitigation.
3. Describe /predict vulnerability to disasters and conduct risk assessment.
4. Identify and discuss issues relating to adaptability,
5. Highlight coping measures and sustainable solutions to disasters.

**Learning outcomes**

On completion of the course, students should be able to:

1. Identify and explain disasters, hazards and vulnerability in relation to urban settings.
2. Access impact of disasters on cities and proffer disaster risk mitigation/prevention measures.
3. Discuss /predict vulnerability to disasters and conduct risk assessment of settlements.
4. Discuss issues relating to adaptability,
5. Explain coping measures and sustainable aspects of cities in relation to disasters.

**Course contents**

Definitions of natural and man-made disaster, hazard and risk. Types of and vulnerability to disasters. Causes of disasters - natural and man-made, climatic, ecological failures, epidemics, accident etc. Conducting disaster risk assessment, reduction of disaster risk. Measures of disaster risk reduction. Disaster management, mitigation, adaptation and resilience. Climate change characteristics and patterns with particular reference to Nigeria. Cities and disasters; basic steps in disaster prevention including elements at risk. Climate change and vulnerability of urban population – urban poor. The notion of sustainable cities development planning and disaster management; Urban Land use, climate change and urban governance.

**Minimum Academic Standards**

Lecture roms/halls in-line with the NUC-MAS requirement facilities.

Bayero University, Kano (BUK)

Faculty of Earth and Environmental Sciences

Urban and Regional Planning

B. Urban and Regional Planning

BUK-URP 514 **Tourism and Recreational Planning**, (2 Units; Elective; L = 30; P = 00)

**Senate-approved relevance**

Training of high-quality graduates that possesses relevant skills and knowledge in tourism and recreational planning and development. This is in-line with Bayero University’s mission to address African developmental challenges in planning and development through teaching and cutting-edge research. It is also in accordance of the University’s strategic goal of influencing development. Relevance of this skill can translate into planning and development of tourism and recreation potentials in the North Western region, which can go a long way in contributing to national development.

**Overview**

Tourism and recreational planning skills aim at exploring the need for development of tourism and recreation potentials of a given region. This highlights the importance of preparing students in this line, with knowledge and skills on how to identify potentials, plan, assess impact and manage the areas and facilities.

This course is designed to impact students with the skills of identification of tourism and recreation potentials, and further development of those potentials for the benefit of the region and the nation at large. It also builds the capacity of students in the areas of tourism and recreation planning and management. The importance of the course is also targeted at achieving sustainable development (development that meets the present and future needs of the resettled populace) in-line with the sustainable development goals (SDGs) number 11 in the area of sustainable cities and communities. The objectives of the course, learning outcomes, and contents are provided to address this need.

**Objectives**

The objectives of the course are to:

1. Explain the concept of tourism and recreation
2. Identify the potentials for tourism and recreation in the region
3. Determine the demand and supply of tourism and recreational areas/facilities in Kano region
4. Determine the carrying capacity for recreational areas and facilities in the region
5. Assess the impact of tourism and recreation on the socio-cultural values of the people in the region
6. Highlight the principles and management strategies for tourism and recreational areas

**Learning outcomes**

On completion of the course, students should be able to:

1. Explain the concept of tourism and recreation
2. Identify potentials for tourism and recreation in a region
3. Determine the demand and supply of tourism and recreational areas/facilities in a region
4. Determine the carrying capacity for recreational areas/facilities in a region
5. Highlight the socio-cultural impact of tourism and recreational activities
6. Explain the principles and management strategies for tourism and recreational areas

**Course contents**

Concepts of recreation (outdoor and indoor) and tourism. Essentials of tourism planning. Demand and supply for recreation and tourism facilities and services. Recreation and tourism resources types, characteristics and distribution. Infrastructural needs and supply for recreation and tourism development. Planning standards for recreation and tourism. Recreation area carrying capacity.

Management of recreation facilities. Planning and Design of recreation areas. Tourism and recreation potentials and distribution in Kano region. Design, construction and development of tourist resorts. Impact of tourism and recreation on socio-cultural values of Kano people. Principles of tourism and recreation management. Tourism organization.

**Minimum Academic Standards**

Vehicle for field studies NUC-MAS requirement facilities.

Bayero University, Kano (BUK)

Faculty of Earth and Environmental Sciences

Urban and Regional Planning

B. Urban and Regional Planning

BUK-URP 515 **Planning Seminar**, (2 Units; Core; L = 30; P = 00)

**Senate-approved relevance**

Equipping graduates with quality skills and knowledge sets relevant to academic research and writing. This fits into the Bayero University’s mission of training world class students/graduates that add value to the field of research and development issues. It is also in accordance of the University’s strategic aim of address African developmental challenges through teaching and cutting-edge research. Relevance of this course is in the areas of academic visibility and development.

**Overview**

The course involves engaging students in extensive research and review of concepts related to their individual dissertation topics or independent projects. The seminar seeks to enhance students’ ability to understand and present their ideas in the form of seminar papers of high academic and professional standards.

**Objectives**

The objectives of the course are to:

1. Describe the relationships between project topic concepts in dissertation/ projects.
2. Examine students’ ability to handle oral presentations effectively.
3. Examine student’s communication skills
4. Describe the format of project writing
5. Explain writing skills

**Learning outcomes**

On completion of the course, students should be able to:

1. Explain the relationships between project topic concepts in their individual dissertations
2. Examine students’ oratory and communication skills.
3. Examine their ability of public presentations and article writing.
4. Explain the format of project writing
5. Explain writing skills

**Course contents**

Preparation of seminar paper on a major planning issue related to either the topics of dissertation or independent project. The course is expected to test the candidates' ability to present his ideas in a seminar paper of high academic and professional standards.

Presentations will take the form of technical papers following all norms of technical report writing, on a topic related to final year project as approved by the department. Such presentations shall be graded as part of the seminar course work.

**Minimum Academic Standards**

Class/Lecture hall in-line with NUC-MAS requirement facilities.

Bayero University, Kano (BUK)

Faculty of Earth and Environmental Sciences

Urban and Regional Planning

B. Urban and Regional Planning

BUK-URP 516 **Contemporary Issues in Planning**, (2 Units; Elective; L = 30; P = 00)

**Senate-approved relevance**

Equipping graduates with applicable skills and knowledge sets relevant to the global contemporary issues and its applicability to the African urban setting. This situates within the Bayero University’s mission of training world class students with versatility in planning and urban development issues. It is also in accordance of the University’s strategic goal of positively impacting on development using well trained graduates. Relevance of this course is in the areas of global urban issues and urban management and development of cities.

**Overview**

The course is specifically focused on global urban trends and issues which relate strongly to the urbanization process, that impact heavily on the development of cities. The SDGs where created with the aim to transform the world, put an end to poverty, inequality, protect the planet and ensure all people enjoy health, justice and prosperity.

Specifically, SDG 11 will be looked at and how it is applicable and achievable in cities. The course seeks to expose students to issues of urban governance, agenda 21, new urban agenda and post -pandemic cities. Other contemporary issues include smart cities and innovation.

**Objectives**

The objectives of the course are to:

1. Examine current issues and instruments of interest in urban areas relevant to the issues of urban governance, SDGs, gender sensitivity, inequities/inequalities etc.
2. Identify the role /relevance of the urban planner within contextual issues facing cities.
3. Analyse and contextualize urban contemporary issues in relation to African/Nigerian cities.
4. Highlight best practices/innovations from around the world on urban contemporary issues
5. Highlight challenges of 4 above

**Learning outcomes**

On completion of the course, students should be able to:

1. Evaluate and discuss current issues and instruments of interest in urban areas relevant to the issues of urban governance, SDGs, gender sensitivity, inequities/inequalities etc.
2. Explain the role of planners within the context/background of issues facing cities.
3. Highlight urban contemporary issues in relation to African/Nigerian cities.
4. Examine best practices/innovations from around the world on urban contemporary issues facing Nigeria.
5. Highlight challenges in 4 above

**Course contents**

Global urban trends, heralded by urbanization. The dynamics and processes that impact directly on the development of cities and related with United Nations SDGs which highlight the importance of making cities and human settlements more inclusive, safe, resilient and sustainable.

Current issues and instruments of interest to urban areas and communities relevant to urban governance, sustainable development goals. Smart cities. The new urban agenda. Agenda 21, pandemics (post pandemic cities) etc. Current experiences in urban innovation from cities around the world.

**Minimum Academic Standards**

Lecture rooms/halls in-line with the NUC-MAS requirement facilities.