



# THE FEDERAL UNIVERSITY OF TECHNOLOGY, AKURE

## *Department of Urban and Regional Planning*

### URP 505 – Planning Studio VI – New Town Planning

#### **COURSE PARTICULARS**

**Course Code:** URP 505

**Course Title:** Planning Studio VI – New Town Planning

**No. of Units:** 3

**Course Duration:** Nine hours of practical class per week for 15 weeks.

**Status:** Compulsory

**Course Email Address:** [urp505@futa.edu.ng](mailto:urp505@futa.edu.ng)

**Course Webpage:** <http://www.urp.futa.edu.ng/courseschedule.php?coursecode=URP%505>

**Prerequisite:** NIL

#### **COURSE INSTRUCTORS**

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## **COURSE DESCRIPTION**

The purpose of this course is to broaden the knowledge of students on the need for adoption a new town planning design around a capital city. Rapid growth in urbanization is characteristic of the developing countries. This brings about urbanization problems, which include shortage of housing, social facilities/amenities, shortage of employment opportunities etc. arising from over population. Akure city is no exception to this trend. All over the world, the establishment of a satellite town is often regarded as a panacea to this seemingly intractable problem. Thus, a new city is being proposed to take off the heat from Akure, which is being adjudged as one of the most rapidly growing city in southwestern Nigeria. The proposed new town is therefore expected to absorb activities as well as provide housing for the rapidly expanding population. The town is expected to be a medium-sized city quite independent, relatively self-sustaining, a planned community able to support a range of housing types and economic opportunities for the residents. The proposed master plan shall borrow extensively on contemporary environmental management paradigms. The outcome is an environmentally friendly and sustainable new town master plan

## **COURSE OBJECTIVES**

The objectives of this course are to:

- examine the concept of New Town Planning
- describe the principles of sustainable development to planning for a new town
- understand the dynamics of socio-economic development
- employ citizens participation and engage the social empowerment of citizens
- describe the terrain and physical development impulse

## **COURSE LEARNING OUTCOMES / COMPETENCIES**

Upon successful completion of this course, the student will be able to:

*(Knowledge based)*

- Understand the concept of Environmental Sustainability and Management
- Apply the concept of citizen participation to empower the citizens of the new town
- Comprehend the procedure for proposing a new town master plan

*(Skills)*

- Apply the use of AutoCAD in drawing and designing the master plan
- Apply the use of Geographic Information Systems (GIS), remote sensing and surfer in making decisions concerning the allocation of facilities within the new town

## **GRADING SYSTEM FOR THE COURSE**

This course will be graded as follows:

Field work	20%
Mid-Semester Jury	20%
<u>Final Examination (Jury)</u>	<u>60%</u>
<b><u>TOTAL</u></b>	<b><u>100%</u></b>

## GENERAL INSTRUCTIONS

**Attendance:** It is expected that every student will be in class for lectures and also participate in all practical exercises. Attendance records will be kept and used to determine each person's qualification to sit for the final examination. In case of illness or other unavoidable cause of absence, the student must communicate as soon as possible with any of the instructors, indicating the reason for the absence.

**Academic Integrity:** Violations of academic integrity, including dishonesty in assignments, examinations, or other academic performances are prohibited. You are not allowed to make copies of another person's work and submit it as your own; that is plagiarism. All cases of academic dishonesty will be reported to the University Management for appropriate sanctions in accordance with the guidelines for handling students' misconduct as spelt out in the Students' Handbook.

**Assignments and Group Work:** Students are expected to submit assignments as scheduled. Failure to submit assignment at a given time will earn zero for that assignment. Only under extenuating circumstances, for which a student has notified any of the instructors in advance, will late submission of assignments be permitted.

**Code of Conduct in Lecture Rooms and Laboratories:** Students should turn off their cell phones during lectures. Students are prohibited from engaging in other activities (such as texting, watching videos, etc.) during lectures. Food and drinks are not permitted in the laboratories.

## READING LIST

<sup>1</sup>Akintola, L.O. (2011): *A Compendium of Town Planning and Physical Development Terms*; Bright Resource Consult: 198p.

<sup>1, 2,5</sup>Basorun, J.O. (2003): *Basic Elements of Urban and Regional Planning*. Shalom Publishers, Akure.

<sup>1</sup>Obateru, I. (2003): *Space Standard for Urban Development*. Parent House Publication, Ibadan: 32p.

### Legend

- 1- Available in the University Library
- 2- Available in Departmental/School Libraries
- 3- Available on the Internet.
- 4- Available as Personal Collection
- 5- Available in Local Bookshops.

## COURSE OUTLINE

Week	Topic	Remarks
1	Preliminary Stage	The class shall constitute a group that will carry out a reconnaissance survey of the proposed area for the new town. The students will be acquainted with the existing situations within and around the proposed site. The analyses that will be carried out include site analysis of the site, the topographical analysis of the site and present the cross-sectional drawings of the site.
2	Environmental and socio-economic baseline survey	Identification of physical features on the site, intersection with neighbouring settlement and other key stakeholders within the subject site.
3,4,5 & 6	Survey/Draft design stage	On individual basis, the students shall note the existing features on the site and demonstrate appropriate new town design concepts, which will provide essential facilities, industrial and housing types in a manner to decentralize the population and provide economic opportunities for its inhabitants. All the elements of the plan (central business district, industrial, transportation, recreational, residential land uses etc) shall be presented on separate maps (in suitable scales) based on projection to a planned period in a coordinated fashion.
7	Presentation of Draft Master Plan	The students will appear for a mid semester jury on individual basis. This is an oral presentation and review of the draft master plan with the use of power points.
8 & 9	AutoCAD/GIS presentation	This will involve the conversion of the draft master plan to digital format using AutoCAD and GIS software.
10 & 11	3D Modelling	A three-dimensional model of a selected part of the design will be prepared by the entire class.

12 & 13	Report writing and submission of Final Master Plan	This is the production of a technical report to support the project. The report will address all the concepts adopted for preparing the master plan, the findings, feasibility/workability of proposal and graphics.
14 & 15	Final Jury	The students will appear for the final semester jury on individual basis. This is an oral presentation and review of the final master plan with the use of power points. The three-dimensional model will also be presented.