



# THE FEDERAL UNIVERSITY OF TECHNOLOGY, AKURE

## *Department of Urban and Regional Planning*

### URP 502 – Applied Urban and Regional Planning II

#### COURSE PARTICULARS

**Course Code:** URP 502

**Course Title:** Applied Urban and Regional Planning II

**No. of Units:** 3

**Course Duration:** One hour of theory, one hour of tutorial, and three hours of practical per week for 15 weeks.

**Status:** Compulsory

**Course Email Address:**

**Course Webpage:** <http://www.urp.futa.edu.ng/courseschedule.php?coursecode=URP%20502>

**Prerequisite:** NIL

#### COURSE INSTRUCTORS

**Professor J.A.B. Olujimi**

*Room 011, SET Building*

*Dept. of Urban and Regional Planning*

*Federal University of Technology, Akure, Nigeria.*

**Phone:** +2348034540637

**Email:** jabolujimi@futa.edu.ng

And

**Miss. A. O. Ogundiran**

*Room 016, SET Building*

*Dept. of Urban and Regional Planning*

*Federal University of Technology, Akure, Nigeria.*

**Phone:** +2348037011899

**Email:** aogundiran@futa.edu.ng

#### COURSE DESCRIPTION

This course is an applied course which affords the students opportunity to apply the acquired knowledge from course learnt at the lower levels. It affords the students the opportunity of learning about the surface and subsurface soil conditions. Knowledge of landscape planning is also impacted as well as utilities and services. Know the Functional requirements of building environments in sitting building structures. Students are taught the Machinery of planning control and planning application. It also affords the students opportunity to learn the relevance of the Millennium Development Goals (MDGs) to the practice of Urban and Regional Planning particularly as relates to the 'Concept of Millennium City'.

## COURSE OBJECTIVES

The objectives of this course are to:

- refresh students' knowledge on some fundamentals they have learnt at the lower levels;
- assist the students to relate or apply the acquired knowledge to real life situations;
- expose students to the knowledge of landscape planning and the techniques;
- know the functional requirements of the environment in sitting buildings;
- understand the machinery of planning control and planning application; and
- understand the relevance of the Millennium Development Goals to the practice of Urban and Regional Planning.

## COURSE LEARNING OUTCOMES / COMPETENCIES

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

*(Knowledge based)*

- better understanding of the surface and subsurface soil conditions, utilities/services, accessibility, right of way and other environmental standards;
- principles of landscaping and techniques; and
- overview of the relevance of Millennium Development Goals to the practice of Urban and Regional Planning.

*(Skills)*

- what to consider before locating any utility or service in the environment;
- how to identify the surface and the subsurface soil conditions in planning and location land uses;
- what elements of landscaping to apply and where; and
- how the environment can be adapted to achieving the Millennium Development Goals.

## GRADING SYSTEM FOR THE COURSE

This course will be graded as follows:

Class Attendance	5%
Assignments	15%
Test(s)	20%
<u>Final Examination</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 student'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. You are also expected to make meaningful contributions to group work. 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 an assignment as at when due will earn the concerned student 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:** Students should turn off their cell phones and laptops during lectures. Students are prohibited from engaging in other activities (such as texting, drawing, watching videos, discussing, etc.) during lectures. Food and drinks are not permitted in the lecture room.

## READING LIST

- <sup>4, 5</sup> De Chiara, J and L.E. Koppelman (1978) Site Planning Standards. *McGraw\_Hill Book Coy*, New York
- <sup>4, 5</sup> Eckbo, G. (1969): The Landscape We See. *McGraw-Hill Book Company*, New York.
- <sup>4, 5</sup> Fairbrother, N. (1974): "Nature of Landscape Design". *Architectural Press*. London
- <sup>4, 5</sup> Falade, J.B. & Oduwaye, L. (1998): Essentials of Landscape and Site Planning. *Omega Publishers*, Lagos.
- <sup>4, 5</sup> Federal Government of Nigeria (1988): "Federal Environmental Protection Agency Decree No. 58 of 1988". FGN, Lagos.
- <sup>4, 5</sup> Ingram, G.L. (1971): Travelling an Uncharted Road. *Architectural Press*, London.
- <sup>4, 5</sup> Obateru, O.I. (2005): "Space Standards for Urban Development". *Penthouse Publications (Nig)*, Ibadan.
- <sup>4, 5</sup> Obateru, O.I. (2007): "Land Subdivision Basics". *Penthouse Publications (Nig)*, Ibadan.

- <sup>4, 5</sup> Okpala, D.C.I. (1981): “Residential Mobility in Nigerian Cities: An Exploratory Analysis”. *NISER Publications*, Ibadan.
- <sup>4, 5</sup> Okpala, D.C.I. (1986): “Institutional Problems in the Management of Nigerian Urban Environment”. *NISER Publication*, Ibadan
- <sup>4</sup> Olujimi, J.A.B. (1993): “The Administration of Physical Planning in Nigeria: The Ondo State Experience”. *Landscape and Urban Planning Journal, (An International Journal of Urban Planning, Ecology, Landscape Planning and Landscape Design, Amsterdam)* 25, 115-126
- <sup>4</sup> Olujimi J.A.B (2005). Global Physical Planning Control: A Challenge to Town Planning Practice in Nigeria” in Fadare, S.O. (et al) (eds) *Proceeding of National Conference on Globalisation, Culture and the Nigerian Built Environment*, held at O.A.U, Ile-Ife, June 17<sup>th</sup> 2005. 90-96
- <sup>4</sup> Olujimi, J.A.B. and Ayeni, D.A (2006). Green City Project Experience: Lessons for Nigeria” in Okewole, I.A. (et al ) *Proceedings of the National Conference on the Built Environment: Innovation Policy and Sustainable Development* Organised by Covenant University, Ota Nigeria, held between Feb. 14-20, 2006, 246-252.
- <sup>3, 4</sup> Olujimi, J (2007) ‘Climate Change and Coastal Settlement Planning in Nigeria: A Call for Capacity Building’ *Proceeding of the 43<sup>RD</sup> Annual Conference of the Science Association of Nigeria (SAN)* held at Akure between 3<sup>RD</sup> and 6<sup>TH</sup> Sept. 2007, pp 28-32. (<http://www.sciencenigeria.org/index.php>.)
- <sup>4</sup> Olujimi, J.A.B, Emmanuel, A, and Dagogo, S. (2008). ‘Patronage of Health Care Facilities by Rural Dwellers in Owo Region, Nigeria and Its Implications for the Achievement of the Millennium Development Goals (MDGs)’. In Akinowo, E. O. et al (eds.), *Proceeding of the First International Conference on Socio-Economic Policies and MDGs in Africa* organized by Adekunle Ajasin University, Akungba-Akoko, held between 24<sup>th</sup> and 26<sup>th</sup> Sept. 2008, 232-244.
- <sup>4</sup> Olujimi, J.A.B. (2009). ‘Planning Standards As Effective Tools for Development Control’ *Proceeding of the First Physical Planning Stakeholder’s Forum organized by the Ondo State Ministry of Physical Planning and Urban Development* held at Cultural Centre, Alagbaka, Akure on 23<sup>rd</sup> - 24<sup>th</sup> November 2009, 45-52.
- <sup>4, 5</sup> Onokerhoraye, A.G. (1982): *Social Services in Nigeria: An Introduction*. *Kegan Paul International, Ltd*. Ibadan
- <sup>4</sup> Vagale, L.R. (1971): “Manual of Space Standards for Urban Development in the Western State of Nigeria”. *Unpublished Course Material*, Town Planning Department, Technical College, Ibadan and Ministry of Lands and Housing, Government of the Western State of Nigeria, Ibadan.

**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**

<b>Week</b>	<b>Topic</b>	<b>Remarks</b>
1	Introduction and Course Overview	During this first class, the expectation of the students from the course will also be documented.
2	Surface Conditions <ul style="list-style-type: none"> <li>• Topographical Features depicting various characteristics of surface conditions</li> <li>• Description of each of the Topographical Features</li> </ul> Subsurface Conditions <ul style="list-style-type: none"> <li>• How the subsurface conditions influence surface conditions</li> <li>• Relevance/Usefulness of Surface and Subsurface Conditions in Urban and Regional Planning</li> </ul>	Students will be taught topographical features (Land forms) associated with surface conditions; and the various elements of the surface and subsurface soil conditions and how each influences the other.
3 & 4	Exploring the Surface Conditions <ul style="list-style-type: none"> <li>• Cross-Sectional Drawing               <ul style="list-style-type: none"> <li>- Directly at the base of the topographical base map</li> <li>- On a separate sheet</li> <li>- Vertical exaggeration of scale</li> </ul> </li> <li>• Gradient               <ul style="list-style-type: none"> <li>- Calculation of gradient between two points on topographical map</li> </ul> </li> </ul>	The steps to be followed to draw cross-section of topography maps will be explained and students are expected to demonstrate these steps.
5 & 6	Landscape and Land Use Planning <ul style="list-style-type: none"> <li>• Introduction</li> <li>• The concept of landscape</li> <li>• Objective of landscape</li> <li>• Basic consideration in landscape design</li> <li>• Site survey and analysis for landscape planning and design</li> <li>• Natural determinants of landscape</li> <li>• Uses of landscape</li> <li>• Landscape elements</li> <li>• Selection of trees for landscaping</li> <li>• Contributions of landscape planner to the conservation and maintenance of landscape character</li> </ul>	Students will be taught the concept of landscaping and the considerations for landscaping. The surveys necessary before landscaping and the analysis, uses and elements of landscaping will also be taught.

7	<p>Accessibility of Right of Way</p> <ul style="list-style-type: none"> <li>• Purposes of road classification</li> <li>• Road classification methods</li> <li>• Conclusion</li> </ul>	<p>Various classifications, methods and purposes of classifications will be taught.</p>
MID-SEMESTER TEST		
8	Environmental Standards	The environmental standards that are used in Urban and Regional Planning Practice will be taught, especially in relation to the FEPA Law, Decree No. 58, 1988
9	<p>Housing Standards</p> <ul style="list-style-type: none"> <li>• Shelter</li> <li>• Environment</li> <li>• Tenants</li> <li>• Management</li> </ul>	The available housing standards in relation to shelter, environment, tenancy and management of housing units will be taught
10	<p>Utilities and Services</p> <ul style="list-style-type: none"> <li>• Reasons for the involvement of physical planners in the location of utilities and Services</li> </ul>	Various utilities and services required for comfort in the environment will be taught. These include; water, electricity, gas, sewerage, drainage, refuse collection and disposal, health among others.
11 & 12	<p>Machinery of Planning Control and Applications</p> <ul style="list-style-type: none"> <li>• ‘Development’ in the context of Urban and Regional Planning</li> <li>• Development Control in the context of Nigerian Urban and Regional Planning Law</li> <li>• Mechanism for the enforcement of Development Control</li> <li>• Enforcement of Development Control by other Autonomous Bodies and Agencies</li> </ul>	The Development Control section of the Nigerian Urban and Planning Law would be taught. The use of Development Control as a tool for enhancing the quality of the Built Environment would be investigated
13 & 14	Millennium Development Goals (MDGs)	The concept of the Millennium Development Goals (MDGs) will be taught. The Goals and the target of each goal will be taught with respect to the practice of Urban and Regional Planning.
15	REVISION	This is the week preceding the final examination. At this time, evaluation will be done to assess how far the students’ expectations for the course have been met.