



THE FEDERAL UNIVERSITY OF TECHNOLOGY, AKURE

Department of Architecture

ARC 401 – Architectural Design V

COURSE PARTICULARS

Course Code: ARC 401

Course Title: Architectural Design V

No. of Units: 6

Course Duration: Two hours of theory and twelve hours of studio work per week for 15 weeks.

Status: Compulsory

Course Email Address:

Course Webpage:

Prerequisite: ARC 301

COURSE INSTRUCTORS

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COURSE DESCRIPTION

Students at this level are being prepared to understand and tackle built environment related problems. Hence, the course assists students to acquire skills to deliver comprehensive design solutions ranging from analysis, planning and design to construction drawings and details.

Urban Renewal Schemes are undertaken to expose students to real life problems with the aim of finding appropriate solutions to them. The course commences with theoretical and conceptual analysis of urban renewal followed by quick approach projects which provides solution to problems identified by students and or lecturers. Furthermore, a semester Urban Renewal Project is undertaken. Within the Urban Renewal Project, there is a **major project** [comprehensive analysis and design for selected neighbourhoods] and a **minor project with high architectural content** [to address lack of facilities] such as a shopping centre, school, health centre, youth and community centres, post office, or residential designs scheme to be carried out in the semester. Approach to Renewal will range from Redevelopment, Rehabilitation and Renovation to Conservation, Preservation and economic revitalisation.

COURSE OBJECTIVES

The objectives of this course are to:

- introduce students to conceptual and contemporary issues in urban renewal.
- highlight the architectural content of typical urban renewal schemes.
- provide students with opportunities to develop basic urban renewal analysis and design skills to tackle housing, environmental and infrastructure related problems.

COURSE LEARNING OUTCOMES / COMPETENCIES

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

(Knowledge based)

- understand the basic conceptual issues and approaches to urban renewal and the best condition under which each may be applied;
- identify causative factors leading to physical, environmental and socio-economic deterioration in urban centres;
- understand the basic challenges associated with urban renewal programmes and how to overcome them;
- decipher deficiencies in urban environments and suggest proper solutions;

(Skills)

- Identify and classify built environment problems in any urban centres;
- proffer solutions using appropriate approach for each case;
- come up with appropriate, simple and functional design solutions for specific urban renewal schemes;
- work with allied professionals in urban renewal teams to deliver time bound targets.

GRADING SYSTEM FOR THE COURSE

This course will be graded as follows:

Class Attendance	5%
Quick Approach	15%
Assignments	20%
<u>Final Examination</u>	<u>60%</u>
<u>TOTAL</u>	<u>100%</u>

GENERAL INSTRUCTIONS

Attendance: It is expected that every student will be in class and studios promptly for lectures and also participate in all written, drawn and oral presentations. 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 and with proof.

Academic Integrity: Violations of academic integrity, including dishonesty in assignments, examinations, or other academic performances are prohibited. Students are not allowed to make copies of another person's work and submit it as their own; that is plagiarism, which is unacceptable. Therefore, all sources of information utilised for presentations and submissions must be acknowledged with appropriate referencing. 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 student zero. 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 Studios: Students should maintain high decorum, with cell phones switched off during lectures and studios. Food and drinks are prohibited. Students are also prohibited from engaging in activities [such as texting, watching videos, etc] that can cause distractions during classes.

READING LIST

- ¹Gibson, M. S. & Langstaff, M. J.(1982). An Introduction to Urban renewal. London: Hutchinson.
- ⁵ Gilbert, A. & Gugler, J. (1992). Cities, Poverty and Development: Urbanization in the Third World. 2nd Ed. Oxford University Press Inc., New York, USA. 114.
- ^{1,3}Healy, P. (2006). Urban Complexities and Spatial Strategies. Routledge, Taylor and Francis Group.
- ³ Peters, W (ed.) (2000). Green Cities: Urban Environmental Solutions, Global Issues. An Electronic Journal of the US Department of State. March 5 (1). 1-39
- ¹ Wheeler, S. M. (2004). Planning for Sustainability: Creating Livable, Equitable and Ecological Communities. Routledge. New York, USA. 71

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	Introduction and Course Overview: History of Urban Renewal	Course description, outline, assessments, attendance, objectives of the course and the expectations of the students will be discussed.
2	Theoretical Issues in Urban Renewal and Approaches to Urban Renewal	Students will be made to understand the issues & strategies in Urban Renewal in third world countries.
3	Quick Approach	Each student will be required to submit designed drawings resolving or providing workable solutions to an identified urban problem (on A3 size sheets).
4 & 5	Technical Report	Each student will be required to start, complete and submit written work on a given topic of selected urban issue.
6 & 7	Major Project- Urban Renewal Scheme (Reconnaissance Survey & Analysis)	<ul style="list-style-type: none"> Collection of base maps and aerial photographs of the project site. Reconnaissance survey of the project site as defined by the Mentor (photographs of the environment should be taken). Land Use Analysis Population Analyses Housing Survey Social Infrastructure Basic Infrastructure Waste Disposal, etc.
8	Minor Project- Urban Design Project	An Urban design project (Health Centre, School, Post Office, Terminus, Hall, Market buildings, etc.) shall be carried out by each student from within the urban scheme in the major project.
9	Minor Project- Urban Design Project	Students will submit the minor project in the approved format.
10	Major Project- Urban Renewal Scheme (Analysis & Proposals)	Students are required to carry out graphical analysis for the site and prepare alternative proposals. Chosen and the preferred option(s) must be based on weighting of attributes and the submission must be accompanied with maps, photographs and other diagrams.
11	Quick Approach	Each student will be required to submit designed drawings resolving or providing workable solutions to an

		identified urban problem (on A3 size sheets).
12-14	Major Project- Urban Renewal Scheme (Analysis & Proposals)	Progress of the students' works will be monitored & they will be properly guided until the work is completed satisfactorily.
15	Major Project- Urban Renewal Scheme	Conclusion and submission of Major Project