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### Integrated design Studio III-

### Architecture/ Urban Design / Urban Planning/ Socio Economic studies

Module-10					
Module NAME: Project II					
University of Mekelle					
Degree Program(s)	B.Sc. in Architecture				
academic year	2020				
Course Number	ARCH 4101				
Course Title	Integrated design Studio III- Architecture/ Urban Design / Urban Planning/ Socio Economic studies				
Responsible chair	Chair of architectural design				
Pre-requisites	Integrated design I,II				
Status of Course	compulsory				
Semester	8				
Credit Hours	7				
EtCTS Credits	12				
Working Hours (per week)	Lectures	Tutorials & Seminars	studio& Workshop Practice	Home Study	Total Working Hours

	2	2	12	8	24
Teaching & Learning Methods	Input Lectures from architectural design chair II, urban design chair, and landscape design chair, Studio project handled jointly by the three chairs, seminars				
Attendance Requirements	75%				
Course Description/Course Contents	Diagrammatic and written explanation of concept CAD plans of site 1:20000, 1:2000 CAD plans of building 1:500, 1:200, 1:50 Perspective drawings of exterior and interior spaces Model of site 1:2000 Model of building 1:200 Urban level analysis & Map 1:5000 Design Report				
Assessment/Evaluation & Grading System	40% Intermediate Presentations 60% Final Project				
Literature	-readers from the three chairs				

### Course description

The course is a sub-module for the course Integrated Design Project under the program BSc in Architecture. It is delivered in 6th semester with the prerequisite of Architectural Design module. The module deals on the integration of multiple urban spatial and non-spatial factors. This studio is a design studio with special focuses to Urban Analysis, Context, and Regulatory Code-related issues with city-wide importance. Through critical analysis of urban context focused on different zones (land uses); students are expected to contemplate socio-spatial and socioeconomic study in their specific design project. Such a project will give broader understanding of their specific design sites; Moreover, students will exercise inclusiveness and participatory design approach starting from the inception stage to the end proposal.

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## Prerequisites/Corequisites:

Prerequisite: ARCH 3102.

## Introduction

The Integrated Design Studio module allows students to work on a selected integrated design project considering Spatial and nonspatial factors including, Architectural design, urban planning & design, socioeconomic, Political, Energy- and Climate systems. The objective is to follow an integrated design process to achieve synergistic, inclusive solutions.

In this course, the focused will be on urban planning, urban design and other socioeconomic aspects of specific context on the built environment. Student will be instructed to focused on participatory study, analysis and design project, going through a design process from the analysis spatial and nonspatial contexts of site potentials, identification of demands, development of an urban scale integrated design concept to a corresponding context and need. Input lectures highlight specific topics relevant to the task. The projects will be presented by the student groups and discussed with internal and external reviewers at interim and final presentations.

## Learning Outcomes

On completion of this module students should be able to: -

- Synthesize and monitor a project plan with brief understanding of participatory analysis & design with the community in and around the project area.
  - Engaging of stakeholders and marginalized community,
- Demonstrate appropriate competence in, design approach in regards to Architecture, urban design, Urban Planning and other socio-economic aspects of project. In-depth understanding of the interrelation between their project and its context (spatial and nonspatial); Project planning & stakeholders' identification and engagement.
- Demonstrate the ability to produce an innovative, complete and economically viable solution to a design challenge that is ethically and sustainably sound with special consideration to the spatial and nonspatial urban context of the specific project area.
- Demonstrate information gathering and enquiry skills appropriate to their programme level- Demonstrate the ability to report upon the project in a written and oral form (neighborhood and city wide) to get more inclusive picture of their project area.
  - Context inventory and analysis, using secondary spatial data (Satellite images and arial photographs)

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- Demonstrate the ability to evaluate and report upon the environmental impact, socio economic implication to the community of the produced product solution through its life cycle.

### **Teaching / Learning Strategy**

The student will normally undertake this project module individually. Each student will be responsible for specifying, planning, communicating with supervisors and tutors and executing the whole project, select resources and (within set guidelines) define deliverables.

Lectures and seminars along with studio consultation and student presentation will be the main activity throughout the course span.