ARCH 202: ARCHITECTURAL DESIGN II

Citrus College Course Outline of Record

Heading	Value
Effective Term:	Fall 2023
Credits:	4
Total Contact Hours:	108
Lecture Hours :	54
Lab Hours:	54
Hours Arranged:	0
Outside of Class Hours:	108
Prerequisite:	ARCH 110.
Strongly Recommended:	DRAF 101.
Transferable to CSU:	Yes
Transferable to UC:	Yes - Approved
Grading Method:	Standard Letter

Catalog Course Description

Basic design exercises focus on buildings and their relationship to site and design process using simple programs, the influence of context, introducing sustainability and environmental constraints. Students analyze and incorporate environmental site factors, simple program requirements and basic knowledge of building materials. The design process of sustainability, climate and lighting issues are incorporated as integral components of an architectural design solution. A portfolio of the assigned design exercises completes the course requirements. 36 lecture hours, 72 lab hours.

Course Objectives

- Develop architectural principles and processes through complex architectural design projects. Effectively use research on architectural design projects.
- Solve programmatic issues through relationship analysis diagramming. Assess how environmental factors are integral components of architectural design projects.

Major Course Content

1. Advanced study and investigation of the relationships between site, circulation, program, structure and enclosure in complex architectural design projects.
2. Advanced programmatic problem solving skills at the research and analysis stage of the design process through diagramming and comparative methods of existing building prototypes.
3. Refine, develop and apply design process incorporating sustainability and complex programmatic, environmental and technical issues resulting in a comprehensive architectural solution.
4. Integrate sustainable and passive environmental climate control systems into architectural design concepts and solutions.
5. Develop advanced visual/digital media techniques used in design and presentation for:
    a. Commercial buildings and industrial buildings
    b. Environment management and ecology regulations
    c. Safety, health, ADA requirements

Lab Content

The following requirements are developed, integrated and applied from the lecture:

1. Develop an advanced study and investigation of the relationships between site, circulation, program, structure and enclosure in complex architectural design projects.
2. Research and analysis of the design process through diagramming and comparative methods of existing building prototypes.
3. Incorporate sustainability and complex programmatic, environmental and technical issues resulting in a comprehensive architectural solution.
4. Integrate sustainable and passive environmental climate control systems into architectural design concepts and solutions.
5. Develop advanced visual/digital media techniques used in design and presentation.
6. Develop advanced visual/digital media techniques used in design and presentation for:
    a. Commercial buildings and industrial buildings
    b. Environment management and ecology regulations
    c. Safety, health, ADA requirements

Suggested Reading Other Than Required Textbook

Frank Ching, Architectural Graphics, 5th Edition, ISBN 978-0-470-39911, Wiley, 2009

Examples of Required Writing Assignments

answer questions, write essays, research papers, lab reports, and journals.
Example: Written explanation of research of precedents and solutions. Usually placed on presentation boards.

Examples of Outside Assignments

Solve design problems. Develop models. Practice skills - Presentation boards and model making. Story book portfolio layout. Study - Building Codes and research for presentation boards. Observe critiques of portfolio presentations. Research requirements for a portfolio. Relate research to the portfolio. Composing portfolio.
Students will be required to complete the following types of assignments outside of the regular class time: draw, study, answer questions, practice skills, read required materials, solve problems, write essays, research papers, lab reports, and journals. Students will also observe activities related to course content, participate in activities related to course content.

Instruction Type(s)

Lab, Lecture, Online Education Lab, Online Education Lecture