



Course Syllabus

Course Code	Course Title	ECTS Credits
ARCH - 202	Architectural Design III	12
Prerequisites	Department	Semester
ARCH - 201	Architecture	Spring
Type of Course	Field	Language of Instruction
required	Architecture	English
Level of Course	Lecturer(s)	Year of Study
1 st Cycle	Maria Hadjisoteriou Alessandra Swiny	2 nd
Mode of Delivery	Work Placement	Co-requisites
Face to face	N/A	-

Course Objectives:

The main objectives of the course are to:

- Develop an understanding on the design of cultural buildings.
- Develop an ability to design more complex functional and spatial systems
- Develop critical ability to analyze and articulate ideas and concepts on the potential role architecture that architecture has to society.
- Develop an ability to incorporate relevant precedents into architecture projects.
- Develop an ability to prepare a comprehensive architectural program including assessment of user's needs, client's future vision.
- Ability to respond to the site natural topography and built environment in the development of the design proposal.
- Use the sensory and corporeal characteristics of the human body as a driver to create space.
- Incorporate research and interdisciplinary workshops outcomes in the design projects.
- Gain an awareness of the effects and potentials of form in the configuration of space.
- Acquire competence in handling structural systems and building materials.
- Gain an understanding of the basic principles and appropriate application of building envelope, skin façade, materials and assemblies.
- Develop an ability to make precise architectural drawings for a proposed design.
- Develop confidence and competence in communicating ideas to peers, tutors and critics
- Take account of the constraints imposed upon form by site, context, culture, technology.
- Familiarize students with issues relating to social and environmental sustainability.

Learning Outcomes:

After completion of the course students are expected to be able to:

1. Analyse and criticize conceptual approaches and design concepts in an accessible and informative manner.
2. Evaluate and compare different forms, layouts, sectional solutions, site specific ideas and apply this knowledge creatively in their own design project.
3. Comprehend the diversity of form and spatial solutions and develop critical ability to analyze a given site and programme brief.
4. Develop an understanding of the relationship between buildings and their environment and the need to relate spaces to human scale.
5. Develop an understanding of the role of the architect in society, in preparing briefs that take into account social factors.
6. Develop an understanding of the methods of investigation and preparation of the brief for a design project.
7. Evaluate constraints imposed upon form by site, context, culture, technology and apply them in the design proposal.
8. Demonstrate through sketches, diagrams, experimental models and text their observations and design proposals.
9. Assess and evaluate personal and other students work, concepts and research information by exchanging ideas with others throughout the design process, through group sessions, workshops, and mid presentations.
10. Show competence in handling building materials with emphasis on skin façades.
11. Develop and create experimentations with materiality in order to achieve an atmospheric architectural environment.
12. Design more complex functional and spatial systems with a focus on cultural programmes, having as a drive the interaction of the human body and space.
13. Develop confidence and competence in effectively communicating ideas to peers, tutors and critics with oral, written and graphic presentations. (Portfolio preparation, pin up presentation, tutorial discussions).
14. Develop an ability to synthesize social, environmental, aesthetic and programmatic considerations into an architectural proposal.

Course Content:

- Primary elements defining space
- Scale, Distance, Proportion –scale, size and relative size
- Public Buildings – Indoor/outdoor scales, inhabitants/visitors
- Case studies
- Daylight & environmental design principles
- Creation of Social spaces
- Multifunctional – flexible spaces
- Elevations + materials + light
- Skin Façade

Learning Activities and Teaching Methods:

The teaching method in this course consists of lectures, demonstrations, exercises and individual instruction. Group discussions will also be taking place concerning interchange of ideas on given briefs. It is necessary for students to spend considerable time outside class hours to develop knowledge and skills. Studio based discussions will involve guest lecturers and students presenting their work individually.

Assessment Methods:

Project 01, Project 02, Project 03, Workshops 01-08 [Submitted After Class], Final Exam

Required Textbooks / Readings:

Title	Author(s)	Publisher	Year	ISBN
A design manual / Libraries	Nolan Lushington Wolfgang Rudolf Liliane Wong	Birkhauser	2016	978-3-0346-0827-5
Culture: City	Editors: Wilfried Wang For the Academie der Kunste	Las Muller Publishers	2012	978-3-03778-335-1

Recommended Textbooks / Readings:

Title	Author(s)	Publisher	Year	ISBN
Thinking Architecture	Peter Zumthor	Lars Müller Publishers	1998	978-3-907044-61-2
Atmospheres	Peter Zumthor`	Birkhauser	2006	978-3-764374-95-2
The Eyes of the Skin: Architecture and the Senses (electronic book as well)	Juhani Pallasmaa	Wiley-Academy	2005	9780470015797 9781119941286 hbk.
The Thinking Hand	Juhani Pallasmaa	Wiley	2009	9780470779286