ARCHITECTURE HISTORIES AND CONTEXTS

IE University
Professor: DAVID JEFFREY GOODMAN
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Academic year: 22-23
Degree course: FIRST
Semester: 1º
Category: COMPULSORY
Number of credits: 3.0
Language: English

PREREQUISITES
None.

SUBJECT DESCRIPTION
This course serves as an introduction to the discipline of architecture through an historically-based survey of key architectural terms and elements. We will discuss 45 concepts and terms, linking them non-chronographically with examples from world architecture history. Students will not only gain exposure to these concepts and historical examples, but they will also develop their abilities to synthesize historical and formal information through analytic sketching and presentation. Many of the movements, personalities, cities, and buildings discussed in this course will be examined in greater detail in later courses in the Architecture History, Theory, and Critique sequence, while the concepts we deal with in this course will provide a solid foundation for the design-based coursework in the current and subsequent semesters.

OBJECTIVES AND SKILLS
(Per Ministerial Decree EDU/2075/2010, 29 of July; and the official accreditation request for the Bachelor in Architectural Studies, July 2015; see BOCYL, 14 March 2018: p. 10477-10481)

2.1-BASIC AND GENERAL OBJECTIVES
- CB1: Students have demonstrated knowledge and an understanding of a given area of study, building upon the foundation of secondary education, supported by advanced texts, and including aspects that engage the latest advances in their area of study.
- CB2: Students know how to apply their knowledge professionally to their work or vocation and possess the competencies that are often demonstrated through elaboration and defense of arguments and the resolution of problems within their area of study.
- CB3: Students can gather and interpret relevant facts (usually within their area of study) in order to make judgments that include reflection on relevant social, scientific, and ethical topics.
- CB4: Students can transmit information, ideas, problems, and solutions to both specialized and non-specialized audiences.
- CB5: Students have developed the necessary learning skills to continue their studies with a
high degree of autonomy.
- CG1: Knowledge of the history and theories of architecture, as well as that of the arts, technologies and human sciences related to the field.

2.2-SPECIFIC COMPETENCIES

Module: Design

Subject: History, Theory and Critique
- CE42: Ability to formulate an architectural critique.
- CE49: Adequate knowledge of general architectural history.
- CE53: Adequate knowledge of the architectural, urbanistic and landscape traditions of western culture, as well as its technical, climatic, economic, social, and ideological foundations.
- CE56: Adequate knowledge of the foundations of vernacular architecture.
- CE57: Adequate knowledge of sociology, theory, economics, and urban history.

2.3-TRANSVERSE COMPETENCIES OF THE UNIVERSITY
- CT1: Ability to identify the main characteristics of cultural identities that characterize the contemporary world through the knowledge of central ideological currents.
- CT2: Ability to exercise professional behavior in accordance with constitutional principles and ethical values of the respective profession.
- CT4: Use disciplinary knowledge to analyze and evaluate current situations.
- CT6: Work actively in an international context.

2.4-SPECIFIC OBJECTIVES AND SKILLS

In this course, we will emphasize the fundamentals of architectural vocabulary, and an introduction to the key movements, contexts, and elements in the discipline of architecture. We will therefore place special emphasis on the specific competencies CE42, CE49, CE53, and CE56, as described above.

In addition, we will develop students’ ability to produce analytic, freehand synthesis drawings, and to link lectures and readings to their experiences of buildings and cities. The objective is to help teach students to see architecture and to be able to discuss it and place it within its socio-historical contexts.

METHODOLOGY

As stated above, this course will combine on-site an online live lectures. In order to prepare for these sessions, students must complete the specified readings and take detailed notes (with drawings and text) in a dedicated sketchbook. This sketchbook will be collected at midterm for a progress review, and will be graded at the end of the semester.

The course consists of weekly activities featuring 3 keywords/topics. Students will combine lecture and reading notes and individual research into a synthesis sketchbook, which both documents and supplements the material covered in lectures and readings. The synthesis sketchbook, which should be done in part during classtime, will form the basis for a deeper exploration of 10 of the concepts developed here into an illustrated analytic guide. This document will allow students to further develop their interest in certain topics discussed over the course of the semester, refining and adding to the observations made in the synthesis sketchbook.

<table>
<thead>
<tr>
<th>Teaching methodology</th>
<th>Weighting</th>
<th>Estimated time a student should dedicate to prepare for and participate in</th>
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<tbody>
<tr>
<td>Lectures</td>
<td>20.0 %</td>
<td>15 hours</td>
</tr>
<tr>
<td>Discussions</td>
<td>9.33 %</td>
<td>7 hours</td>
</tr>
<tr>
<td>Exercises</td>
<td>41.33 %</td>
<td>31 hours</td>
</tr>
</tbody>
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27th June 2022
SESSION 1 (LIVE IN-PERSON)

COURSE INTRODUCTION

Firmness (Firmitas)

Commodity (Utilitas)

Delight (Venustas)

- The Vitruvian Triad as basis for architecture; the intertwining and persistence of these concepts.
- Introduction to Analytic Sketchbook Exercise.


SESSION 2 (LIVE IN-PERSON)

Seeing

Elements

Drawing

- Learning to see architecture: actively, not "in distraction".
- The constituent elements of buildings and cities.
- Drawing as tool, artifact, and evidence.

Book Chapters: A Visual Dictionary of Architecture (p. 68-75) (See Bibliography)

SESSION 3 (LIVE IN-PERSON)

Site

Ground

Plan

- The role of building site and context as part of the design process.
- A building's relationship to the ground plane.
- The plan as the generator.
- The horizontal section.

Book Chapters: A Visual Dictionary of Architecture (p. 229-231) (See Bibliography)

SESSION 4 (LIVE IN-PERSON)

Wall

Window
Door
- The relationship of plan and vertical surface.
- Aperatures, gaps, and portals.
- The rhetorical dimension of entry.


SESSION 5 (LIVE IN-PERSON)

Column
Roof
Ceiling
- The column as structural element and definer of spatial conditions.
- Roof as protective cover and engagement with the sky.
- Ceiling as distinct from roof and underside of slab, and the spaces in between.


Book Chapters: A World History of Architecture (p. 153-164: Islamic Architecture; p. 118-120: Temples (Pantheon); and p. 510-513: Diaspora and The Later Work of Mies van der Rohe) (See Bibliography)

SESSION 6 (LIVE IN-PERSON)

Threshold
Corner
Thickness/Poche
- Spaces of transition between inside and out, and between adjacent spaces.
- The crisis and opportunity of the corner: collision of systems.
- The "Thickness and Depth of the Wall".


SESSION 7 (LIVE IN-PERSON)

Section
Stair
Ramp
- The vertical cut and sectional conditions as generator of spatial sequence and complexity.
- Elements of vertical circulation as spaces of transition and destinations in themselves.
- Ramp and the continuous surface.


SESSION 8 (LIVE IN-PERSON)
Midterm Exam
Notebooks Collected

SESSION 9 (LIVE IN-PERSON)
Promenade
Circulation
Code
- Spatial sequence and movement.
- Efficiency and choreography.
- Regulation and life safety.

SESSION 10 (LIVE IN-PERSON)
Language
Façade
Symmetry
- Architectural elements as part of a linguistic system.
- Decorum, communication, and the humanistic facade.
- Primary and secondary symmetries as ordering devices and elements of subversion.

SESSION 11 (LIVE IN-PERSON)
Proportion
Rhythm
Scale
- Relationship of part to whole, and of part to part.
- Repetition and counterpoint.
- The body as measure.

27th June 2022
SESSION 12 (LIVE IN-PERSON)

Cladding
Surface
Ornament
- Skin as independent system.
- Finish as rhetoric and creator of phenomena.
- Ornament as communication.

SESSION 13 (LIVE IN-PERSON)

Material
Connection
Construction
- Materiality and assembly as expression
- Joints and connectors as moments of crisis and opportunity
- The construction process as determinant of architectural expression.

SESSION 14 (LIVE IN-PERSON)

Street
Neighborhood
City
- Elements of the urban context.
- City as object of design.
- City as process.
- City as context.

SESSION 15 (LIVE IN-PERSON)

CONCEPTS:
Book
Manifesto
History
- The role of history, and of words, in the development of architecture.
- On why you need to buy books (now, more than ever).

**BIBLIOGRAPHY**

**Compulsory**

**Recommended**

**EVALUATION CRITERIA**

This course is meant to provide an overview of key architectural concepts and linked examples. Students will therefore be evaluated on their ability to synthesize and represent these concepts, over the course of the semester.

(Per Ministerial Decree EDU/2075/2010, 29 of July; and the official accreditation request for the Bachelor in Architectural Studies, July 2015; see BOCYL, 14 March 2018: p. 10477-10481)

This course will involve the following evaluation methods:

- SE1: Attendance and Active Participation.
- SE3: Submission and/or Presentation of Individual Projects.
- SE6: Exams and Quizzes.

These are to be weighted as follows:

<table>
<thead>
<tr>
<th>Criteria</th>
<th>Percentage</th>
<th>Comments</th>
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<tbody>
<tr>
<td>Midterm Quiz</td>
<td>30 %</td>
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<tr>
<td>Sketchbook Final</td>
<td>30 %</td>
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<tr>
<td>Illustrated Analytic Guide</td>
<td>35 %</td>
<td></td>
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<tr>
<td>Class Participation</td>
<td>5 %</td>
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**QUIZ**: You will be quizzed on your understanding of the terms presented, your ability to provide historical examples, and your ability to represent and explain the terms through drawings.

**SKETCHBOOK**: This class requires you to sketch, to look, to take notes on the readings, and to synthesize. The sketchbook is a key element. Design your notes, and use them to create your own guide to architecture. This notebook will be an essential deliverable for the class, and can be completed mostly during class preparation time (as you do your readings), and during class time, by taking notes and sketching from the examples. This deliverable will be reviewed at midterm and at course end.

27th June 2022
ILLUSTRATED ANALYTIC GUIDE: You will build on the work in your sketchbook to produce an expanded, in depth analysis of 10 of the 45 concepts discussed in class. This document will be completed in digital format and will include analysis drawings and descriptions of examples for each term chosen, using architectural and urbanistic case studies NOT DESCRIBED IN CLASS. Further description of this assignment will be provided in class.

PARTICIPATION: As your sketchbook is a primary deliverable for this course, your attendance is mandatory. Merely copying slides from the uploaded presentations will not be sufficient to complete the work. You are expected to do the readings before class, and to be able to discuss them when called upon in class.

PROFESSOR BIO

Professor: DAVID JEFFREY GOODMAN
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David Goodman is Associate Dean and Professor of Architecture at the IE School of Architecture and Design. He holds a PhD in Business Administration from the IE Business School, specializing in Strategic Management and Organization Design. His current research deals with innovations in architecture practice and production during times of socioeconomic turbulence. A graduate of the Harvard Graduate School of Design and of Cornell University, Goodman is coauthor of the book An Introduction to Architecture Theory: 1968 to the Present. His work has also appeared in the journals a+t, Log, Journal of Architectural Education, Technology + Architecture + Design, and in the anthology Chicago Architecture: Histories, Revisions, Alternatives, as well as in the book Walter Netsch: A Critical Appreciation and Sourcebook. David is a Licensed Architect in the State of Illinois, USA.

OTHER INFORMATION
OFFICE HOURS: By appointment.
CONTACT: david.goodman@ie.edu

ATTENDANCE INFORMATION

The minimum attendance allowed will be that established in the IE University regulations: those students that do not attend at least 70% of all sessions will fail the course with a 0,0 and will proceed directly to third enrollment. Students that have failed the subject in first enrollment pass to the second enrollment, except those who do not meet the minimum attendance percentage. For those attending the second extraordinary exam period, the exam will have two parts: a corrected and expanded presentation of the project as developed in the first enrollment period, and a design exercise to be administered in Segovia. The maximum grade a student may achieve in second enrollment is 8.

Students who arrive more than 5 minutes late for class shall be marked absent.