COURSE OUTLINE

(1) GENERAL

SCHOOL	ARCHITECTURE		
ACADEMIC UNIT	ARCHITECTURE		
LEVEL OF STUDIES	UNDERGRADUATE		
COURSE CODE	**APY 103**	**SEMESTER**	**1ο**
COURSE TITLE	SPATIAL REPRESENTATIONS I		

INDEPENDENT TEACHING ACTIVITIES *if credits are awarded for separate components of the course, e.g. lectures, laboratory exercises, etc. If the credits are awarded for the whole of the course, give the weekly teaching hours and the total credits*	**WEEKLY TEACHING HOURS**	**CREDITS**
Lectures and Laboratory Exercises	6	6
Add rows if necessary. The organisation of teaching and the teaching methods used are described in detail at (d).		

COURSE TYPE *general background, special background, specialised general knowledge, skills development*	• General Background • General Knowledge • Skills Development
PREREQUISITE COURSES:	None
LANGUAGE OF INSTRUCTION and EXAMINATIONS:	Greek
IS THE COURSE OFFERED TO ERASMUS STUDENTS	Yes (English)
COURSE WEBSITE (URL)	http://ecourse.uoi.gr/enrol/index.php?id=1395

(2) LEARNING OUTCOMES

Learning outcomes

The course learning outcomes, specific knowledge, skills and competences of an appropriate level, which the students will acquire with the successful completion of the course are described.

Consult Appendix A

- *Description of the level of learning outcomes for each qualifications cycle, according to the Qualifications Framework of the European Higher Education Area*
- *Descriptors for Levels 6, 7 & 8 of the European Qualifications Framework for Lifelong Learning and Appendix B*
- *Guidelines for writing Learning Outcomes*

The course constitutes a basic introduction to the various aspects of architectural representation, both as a process of representing the world and as a method for reconstructing it creatively. The course's weekly lectures combine and interlink the history of architectural representation with visual communication theories and practices, while, in the process, mapping the highly inter-disciplinary field of the multimodal media involved in the architectural design process and their development in history. The course addresses the creative field of visual communication as strategies for constructing and successfully communicating spatial meaning, by stressing cross-disciplinarity, active participation in the learning process and interactivity.

Educational aims and objectives:

The course is designed to aid students in:

- developing skills in a variety of architectural design media,
- sharpening reception processes with aspects of spatial analysis, interpretation and management,
- fostering the creative interfaces between neighbouring arts and sciences,
- nurturing a collaborative culture and supporting teamwork that welcomes divergence,

- communicating and effectively delivering ideas to a diverse audience,
- comprehending and acknowledging the complex role and function of the architect in the contemporary society,
- exploring the use of digital media and applications for programming, 3D modelling and visual (still and moving image) representation.

Methodology:

Obviously, the expected gain does not necessarily lie with the production of a drawing that demonstrates specific qualities, but with experimentation and discussion, in order to better understand ways of seeing and thinking, enabling one to determine that which is 'necessary and becoming'.

The educational value of the course is not exhausted solely in the confines of the classroom. Instead, it spills over to the city of Ioannina by way of regular fieldtrips and fieldwork. Similarly, the course is not limited to the scheduled classroom (lecture and laboratory) hours. Rather, it makes creative use and efficient combination of all available resources for asynchronous and distance learning. Lectures are complemented with tutorials and laboratory practice on individual and group projects of gradually increasing degrees of complexity and difficulty that utilise a variety of media and techniques.

Expected outcomes and results:

On completion of this course students will be able to:

- understand and fluently use the conventions, the regulations and the notation systems of the graphical language of technical drawing,
- communicate effectively ideas to the community of specialists and society in general,
- apply analytical thinking by way of parameterising visual stimuli from the discovery and recognition phase of the design process,
- exercise synthetic reasoning by way of creatively transcribing the aforementioned visual stimuli into design requirements and priorities,
- work methodically in the class with the spatial organisation of visual information in 2D and 3D formats,
- understand the function of computer aided design as means of perceiving and conceptualising complex geometries,
- utilise digital media both as representation tools and vehicles for personal expression in the design process,
- familiarise themselves with the principles of open-ended technologies and open design methodologies.

General Competences

Taking into consideration the general competences that the degree-holder must acquire (as these appear in the Diploma Supplement and appear below), at which of the following does the course aim?

Search for, analysis and synthesis of data and information, with the use of the necessary technology	*Project planning and management*
Adapting to new situations	*Respect for difference and multiculturalism*
Decision-making	*Respect for the natural environment*
Working independently	*Showing social, professional and ethical responsibility and sensitivity to gender issues*
Team work	*Criticism and self-criticism*
Working in an international environment	*Production of free, creative and inductive thinking*
Working in an interdisciplinary environment	*……*
Production of new research ideas	*Others…*
	…….

- Search for, analysis and synthesis of data and information, with the use of the necessary technology
- Decision-making
- Working independently
- Team work

- Working in an interdisciplinary environment
- Respect for difference and multiculturalism
- Respect for the natural environment
- Showing social, professional and ethical responsibility and sensitivity to gender issues
- Production of free, creative and inductive thinking

(3) SYLLABUS

i.	Literature: The Narration of Space
ii.	Technical Drawing: Design Conventions & Techniques
iii.	Drawing - Sketching – Preliminary Drafting
iv.	The Still Image
v.	Geometries & Regulating/Compositional Lines
vi.	Colour Painting Techniques
vii.	Elements of Technical Drawing
viii.	Axonometric Representations
ix.	Design Laboratory
x.	Perspective Projections
xi.	Colour Laboratory
xii.	Programming
xiii.	Student Projects Final Reviews

(4) TEACHING and LEARNING METHODS - EVALUATION

<table>
<tr><td>DELIVERY
Face-to-face, Distance learning, etc.</td><td>Face-to-face</td></tr>
<tr><td>USE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY
Use of ICT in teaching, laboratory education, communication with students</td><td>• Use of ICT: Use of the University’s Asynchronous E-Learning platform to supplement and support the teaching process
• Communication with students: Course newsletter on a weekly basis using e-mail
• Laboratory education: Weekly tutorials on image editing and word processing software</td></tr>
<tr><td>TEACHING METHODS
The manner and methods of teaching are described in detail.
Lectures, seminars, laboratory practice, fieldwork, study and analysis of bibliography, tutorials, placements, clinical practice, art workshop, interactive teaching, educational visits, project, essay writing, artistic creativity, etc.

The student's study hours for each learning activity are given as well as the hours of non-directed study according to the principles of the ECTS</td><td>
<table>
<tr><th>Activity</th><th>Semester workload</th></tr>
<tr><td>Lectures</td><td>36</td></tr>
<tr><td>Tutorials</td><td>16</td></tr>
<tr><td>Laboratory practice</td><td>12</td></tr>
<tr><td>Project (individual and group)</td><td>44</td></tr>
<tr><td>Educational visits</td><td>6</td></tr>
<tr><td>Educational fieldtrips</td><td>20</td></tr>
<tr><td>Educational screenings</td><td>6</td></tr>
<tr><td>Individual study</td><td>10</td></tr>
<tr><td>Course total</td><td>150</td></tr>
</table>
</td></tr>
<tr><td>STUDENT PERFORMANCE EVALUATION
Description of the evaluation procedure

Language of evaluation, methods of evaluation, summative or conclusive, multiple choice questionnaires, short-answer questions, open-ended questions, problem solving, written work, essay/report, oral examination, public presentation, laboratory work, clinical examination of patient, art interpretation, other</td><td>i. Laboratory Work (60%)
• Language of evaluation Greek
• Method of evaluation: Summative

ii. Public Presentation of Final Student Projects (40%)
• Language of evaluation Greek
• Method of evaluation: Final Review

The methods and the criteria of the examinations are presented in the class and can be retrieved from the</td></tr>
</table>

Specifically-defined evaluation criteria are given, and if and where they are accessible to students.	course's e-class website.

(5) ATTACHED BIBLIOGRAPHY

- Suggested bibliography:

- Gombrich, E.H., 1994 (1989). *The Story of Art*. Athens: National Bank of Greece Cultural Foundation (MIET).
- Papadopoulos, L. & Tsitiridou, S. eds., 2009. *Fatouros*. Athens: Domes.

- Related academic journals: