COURSE OUTLINE

(1) GENERAL

SCHOOL	POLYTECHNIC		
ACADEMIC UNIT	ARCHITECTURE		
LEVEL OF STUDIES	Undergraduate		
COURSE CODE	ARC_095	SEMESTER	9
COURSE TITLE	**ADVANCED DESIGN STUDIO** Direction: INTERIOR DESIGN LABORATORY - RECYCLING		

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
	6	8
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	specialised general knowledge, skills development
PREREQUISITE COURSES:	
LANGUAGE OF INSTRUCTION and EXAMINATIONS:	Greek, English
IS THE COURSE OFFERED TO ERASMUS STUDENTS	yes
COURSE WEBSITE (URL)	https://eclass.upatras.gr/courses/ARCH536/

(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 aims to introduce students to the study of the methods and trends for the production of new materialities through the recycling of the city's waste, and on the importance of the strategic choices of materials for the production of contemporary urban environments and touristic infrastructures (see 'Syllabus' below).

On successful completion of the course, students will be able to:

- Have knowledge and critical understanding of the cities create and manage waste.
- Critically analyze how we as a society expect designers to incorporate issues of carbon footprint in their design.
- Be familiar with the relevant literature and methods of comparative analysis of recycling and carbon footprint
- Have knowledge of and use techniques of spatial analysis.
- Demonstrate active understanding of the importance of small scale design in the production of

urban and touristic environments and the reprecussions of such management in the bigger scale of environmental management.

- Develop the ability to think critically, document, formulate and present arguments in relation to the choice of materials for implementation of construction in the public realm, as well as to the evaluation and formulation of design proposals.
- Develop the ability for independent learning, in parallel with teamwork through the combination of different teaching methods used in the course.
- Collaborate with co-students to conduct independent research and potentially fieldwork in order to produce original thinking and research into aspects of the course; Or to analyze, evaluate and propose strategic solutions for the design and equipment used in urban public spaces and the touristic landscape.

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

- Search for, analysis and synthesis of data and information with the use of the necessary technology
- Adapting to new situations
- Decision-making
- Working independently
- Team work
- Working in an interdisciplinary environment
- Showing social, professional and ethical responsibility
- Respect for difference and multiculturalism
- Criticism and self-criticism
- Production of free, creative and inductive thinking
- Communication skills
- Capacity for critical thinking

(3) SYLLABUS

Departing from the urban scale we move into the scale of the interior space and or the produced object. The urban environment becomes the instigator and the recipient of the act of design. We shall seek for design stimulus that is embedded in the intrinsic tendency of the city to produce a huge and unmanageable volume of waste, and the resulting need to reincorporate and recycle that waste back into the life of the city.

Contemporary concern in correlation with the built environment forces the architect to become ultra-conscious of the carbon footprint that results from prescribed materials. This new condition creates new environments. Through field study, students will assess the availability of raw material and production methods for the metabolizing of existing waste. They will devise strategies and proposals for the production of spatial characteristics that result from the new materialities, through small interventions in urban spaces and/or touristic landscapes (interior or exterior). The studio investigates the role of carbon neutral material innovation in the shaping of contemporary environments, through a deeper understanding of the gravity of design decisions that affect user interface. Proposals will be tested in various scales and they will aim to expose how design decisions on a small scale inform the user's experience in larger scale environments.

TEACHING and LEARNING METHODS - EVALUATION

DELIVERY Face-to-face, Distance learning, etc.	Face-to-face
USE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY Use of ICT in teaching, laboratory education, communication with students	Use of ICT in teaching, laboratory education and communication with students. Support of learning through the e-learning platform e-class.
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	

Activity	Semester workload
Lectures	30
Seminars	20
Presentations - Discussions	40
Introductory exercises - Practical exercises/Individual and group class assigments	25
Independent study - Bibliographical reserach - Project	85
Course total (25 hours = 1ECTS)	200

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 Specifically-defined evaluation criteria are given, and if and where they are accessible to students.	Language of evaluation Greek, English Project/written document, midterm and final presentation Co-assessment of participation in the class assignments, lectures, seminars, mid-term presentations, and final project presentation The evaluation procedure and criteria are presented to students in the first lecture. In parallel, they are available on the webpage of the course throughout the semester.

(4) ATTACHED BIBLIOGRAPHY

- Suggested bibliography:

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