1.1.1 Building Documentation, Rehabilitation and Reuse.

GENERAL

SCHOOL	Engineering		
ACADEMIC UNIT	CIVIL ENGINEERING		
LEVEL OF STUDIES	Undergraduate		
COURSE CODE	ΔΟΜ035	**SEMESTER**	9th
COURSE TITLE	Building Documentation, Rehabilitation and Reuse.		

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**
	4	5
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*	Specialization Course
PREREQUISITE COURSES:	
LANGUAGE OF INSTRUCTION and EXAMINATIONS:	Greek
IS THE COURSE OFFERED TO ERASMUS STUDENTS	No
COURSE WEBSITE (URL)	https://elearning.cm.ihu.gr/

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*

Upon completing this course students should be able to describe main contemporary trends concerning the restoration and reuse of buildings, to recognize and analyze past construction activities, to select and implement, based on evidence, the optimal methodology for building and architectural documentation, manage a range of theories and methods for the documentation, pathology and representation of the original form, to be capable of applying (creating, designing) these representations in an evidenced and scientifically sound manner, to evaluate on-site studies, as well as documentation and pathology representations, with the aim of selecting and proposing evidence-based reuse solutions that are compatible with the identity and history of the building and the unique features of the surrounding area, to prepare all required technical reports and presentations, to collaborate and contribute as a member of multidisciplinary team in the preparation of comprehensive reports and presentations on the documentation, restoration, and reuse of buildings

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…*
	…….

The course contributes to the following skills:
- 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
- Project planning and management
- Respect for the natural environment
- Criticism and self-criticism
- Production of free, creative and inductive thinking

SYLLABUS

This is an introductory course on current theories and methods for studying historical buildings and architectural complexes, with the aim of developing critical thinking in decision-making regarding their management. Special emphasis is given to the method of Architectural Documentation as a means of recording and documenting existing structures for restoration and reuse purposes.
Lectures: Main concepts, definitions, terminology, general principles, legislation, scientific ethics regarding interventions in preserved and non-preserved structures, the concept and significance of monuments and their surrounding environment, contemporary perspectives and examples of interventions in buildings with heritage value. Focus on implemented studies of restoration and reuse of buildings and architectural complexes.
Project: Theories and methods for approaching buildings and architectural complexes requiring documentation and restoration. Analysis of information retrieval methods through literature and on-site research. Architectural documentation methodologies depending on the object of study. Field exercise applying the aforementioned recording and documentation methodologies for buildings. Creation of pathology, typology, phase analysis and drawings of the buildings. Evaluation of information and drawings for the restoration of the buildings. Proposals for reuse in line with contemporary restoration theories.

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*	Powerpoint presentations, CAD software (AutoCAD), e-learning platform for educational material
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*	

Activity	*Semester workload*
Lectures	
Practice/exercises	
Project(s)	
Individual study	

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*		
	Course total (26 hours workload per ECTS credit)	***130***
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.*	- Final written examination on theory (50%) - Design examination (20%) - Project (assignments) (30%)	

ATTACHED BIBLIOGRAPHY

[In Greek]. Καραδέδος, Γ., Ιστορία και Θεωρία της Αποκατάστασης, Θεσσαλονίκη 2009.

[In Greek]. Νομικός, Μ., Αποκατάσταση - Επανάχρηση Ιστορικών Κτιρίων και Συνόλων, Θεσσαλονίκη, 1997.

[In Greek]. Καραμάνου, Ζ., Αποκατάσταση Επανάχρηση Κτιρίων και Συνόλων. Αναβάθμιση Προβληματικών Οικιστικών Περιοχών, Θεσσαλονίκη 1997