

MODULE OUTLINE EPK54

1. GENERAL INFORMATION

SCHOOL	OF APPLIED ARTS AND SUSTAINABLE DESIGN		
PROGRAM COURSE	SUSTAINABLE INTERIOR DESIGN OF BUILDINGS (EPK)		
LEVEL OF STUDY	POSTGRADUATE		
MODULE CODE	EPK54	SEMESTER OF STUDY	2nd
MODULE TITLE	Sustainable Design of Interior Space Air Quality		
INDEPENDENT TEACHING ACTIVITIES <i>in case credits are awarded for separate components/parts of the course, e.g. in lectures, laboratory exercises, etc. If credits are awarded for the entire course, give the weekly teaching hours and the total credits</i>		HOURS	CREDIS
Weekly teaching hours 21-23 hours x 13 weeks		280-300	10 ECTS
COURSE TYPE Compulsory, Optional, Optional mandatory	Compulsory		
PREREQUISITE MODULES:	None		
LANGUAGE OF INSTRUCTION AND EXAMS	Greek		
THE MODULE IS OFFERED TO ERASMUS STUDENTS	No (due to annual duration of the module)		
MODULE WEBSITE (URL)	https://www.eap.gr/en/viosimos-shediasmos/topics/#EPK54 Each module has its own space in the Learning Management System of EAP (https://courses.eap.gr/login/index.php), with controlled access (use of code) for students and teaching staff.		

2. LEARNING OUTCOMES

Learning Outcomes <i>The course learning outcomes, specific knowledge, skills and competences of an appropriate (certain) level, which students will acquire upon successful completion of the course, are described in detail. It is necessary to consult:</i>
Upon successful completion of the module, students will be able to: <ul style="list-style-type: none"> • Understand the contribution and identify sources of chemical and biological pollution of air in interior spaces • Interpret and apply the relevant legislation, • Understand the interactions between interior and exterior air and the impact of pollution on human health. • Understand the principles of interior space design and the systems and methods used to limit pollution • Understand the spectrum of real conditions through the study of specific applications, such as compounds (radon, formaldehyde etc.) specific sources/activities (smoking, cleaning materials, furniture, plants, animals, cooking, fireplaces etc.) or specific spaces (schools, hospitals, restaurants, hairdressing salons, industrial and livestock facilities, gyms, etc.) as well as a specific application related to COVID-19. • Record interior space air pollution levels and analyze the relevant data, in relation to space: ventilation, configuration, materials, ongoing processes etc.

General Competences

Taking into consideration the general competences that students/graduates must acquire (as those are described in the Diploma Supplement and are mentioned below), at which of the following does the course attendance aim?

Search for, analysis and synthesis of data and information by the use of appropriate technologies,

Adapting to new situations

Decision-making

Individual/Independent work

Group/Team work

Working in an international environment

Working in an interdisciplinary environment (Other.....citizenship, spiritual freedom, social awareness, altruism etc.)

Project planning and management

Respect for diversity and multiculturalism

Environmental awareness

Social, professional and ethical responsibility and

sensitivity to gender issues

Critical thinking

Development of free, creative and inductive thinking

- Search for, analysis and synthesis of data and information by the use of appropriate technologies
- Project planning and management
- Environmental awareness
- Adapting to new situations
- Decision-making
- Individual/Independent work
- Critical thinking
- Group/Team work
- Working in an interdisciplinary environment

3. MODULE CONTENT

The module aims to provide students with the necessary knowledge regarding sources of chemical and biological air pollution of interior spaces, the relevant legislation, interactions between interior and exterior air and the impact of air pollution on human health. Finally, lessons will focus on certain special applications, such as radon, formaldehyde, smoking, school and hospital pollution, etc.

This knowledge will then be applied to internal air pollution measurements for: CO/CO₂, particulate matter, specific pollutants etc.

4. TEACHING METHODS--ASSESSMENT

MODES OF DELIVERY <i>Face-to-face, in-class lecturing, distance teaching and distance learning etc.</i>	Distance education with five Group Counseling Meetings (OSS) during the academic year on weekends.	
USE OF INFORMATION AND COMMUNICATION TECHNOLOGY <i>Use of ICT in teaching, Laboratory Education, Communication with students</i>	We use: Remote meetings tools (cisco webex), Presentation software (e.g. power point), Additionally, the students use office automation tools, web browsers and e-reader for digital books.	
MODULE DESIGN <i>Description of teaching techniques, practices and methods: Lectures, seminars, laboratory</i>	Activity	Annual Workload

<p><i>practice, fieldwork, study and analysis of bibliography, tutorials, Internship, Art Workshop, Interactive teaching, Educational visits, projects, Essay writing, Artistic creativity, etc</i></p> <p><i>The study hours for each learning activity as well as the hours of selfdirected study are given following the principles of the ECTS.</i></p>	3 OSS (x 4 hours)	12
	2 tutorial exercises (2 x 30 hours)	60
	1 semester assignment	55
	Examination	3
	Individual study (21-23 hours x 13 weeks)	150-170
	Total module workload (hours)	280-300
<p>STUDENT PERFORMANCE EVALUATION/ASSESSMENT METHODS</p> <p><i>Detailed description of the evaluation procedures.</i></p> <p><i>Language of evaluation, assessment methods, formative or summative (conclusive), multiple choice tests, short- answer questions, open-ended questions, problem solving, written work, essay/report, oral exam, presentation, laboratory work, other.....etc.</i></p> <p><i>Specifically defined evaluation criteria are stated, as well as if and where they are accessible by the students</i></p>	<p>Completion of written assignments during the academic semester which constitute a 40 percent of each student's grade, if a pass is obtained in the final or repetitive examination. Final exam grades constitute a 60 percent of the students' final course grade. For further information go to the <u>EAP Study Guide.</u></p>	

5. SUGGESTED BIBLIOGRAPHY

ΠΟΙΟΤΗΤΑ ΑΕΡΑ σε εσωτερικούς χώρους Συγγραφέας/είς: Λαζαρίδης Μ. ΕΚΔΟΣΕΙΣ Α. ΤΖΙΟΛΑ & ΥΙΟΙ Α.Ε., έτος έκδοσης 2008