COURSE OUTLINE

(1) GENERAL

SCHOOL	SCHOOL OF SOCIAL SCIENCES
ACADEMIC UNIT	DEPT OF CULTURAL TECHNOLOGY AND COMMUNICATION
LEVEL OF STUDIES	UNDERGRADUATE

COURSE CODE	1MO214	**SEMESTER**	**7**

COURSE TITLE	The environmental parameters of Museums

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**
	3	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*	Elective, general background	
PREREQUISITE COURSES:	None	
LANGUAGE OF INSTRUCTION and EXAMINATIONS:	Greek	
IS THE COURSE OFFERED TO ERASMUS STUDENTS	No	
COURSE WEBSITE (URL)	https://gpav.aegean.gr/periballontikes-parametrpoi-mouseiwn-ppm/	

(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*
Upon completion of the lectures, the students will be familiarized with the basics of preventive conservation of museum collections.

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

- *Respect for the natural environment*
- *Decision-making*
- *Working independently*
- *Working in an interdisciplinary environment*
- *Search for, analysis and synthesis of data and information, with the use of the necessary technology*

(3) SYLLABUS

The aim of this course is to explore the impact of environmental conditions in areas where museum collections are stored or exhibited. Air pollution, humidity, temperature, (improper) lighting and noise pollution are environmental parameters which can cause deterioration on various collections which are valuable and should be preserved for future generations.

(4) 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 – presentation and word processing software

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	13*3=39
	Study	13*2=26
	Project preparation	13*3=39
	Project writing and presentation	13*2=26
	Course total	**130 hours**

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 Methods of evaluation: *multiple choice questionnaires, short-answer questions*, short essays, research projects, oral presentations. Evaluation criteria are described at the web page of the course.

(5) ATTACHED BIBLIOGRAPHY

- Suggested bibliography:
- Pavlogeorgatos G., (2008). Preservation of tangible cultural heritage (3rd ed.). Athens: V. Giurdas publications.
- Thomson, G., (1986). The museum environment. Boston: Butterworths in association with the International Institute for Conservation of Historic and Artistic Works.
- Hatchfield, P., (2002). Pollutants in the museum environment: practical strategies for problem solving in design, exhibition, storage. London: Archetype Publications.
- Taetreault, J., (2003). Airborne pollutants in museums, galleries and archives: risk assessment, control strategies and preservation management. Ottawa: Canadian Conservation Institute.
- Blades, N., (2000). Guidelines on pollution control in museum buildings. London: Museums Association.
- Macleod, K. J., (1978). Relative humidity: its importance, measurement, and control in museums. Ottawa: Canadian Conservation Institute, National Museums of Canada.
- Guichen, G. and International Centre for the Study of the Preservation and the Restoration of Cultural Property, (1984). Climate in museums: measurement. Rome: ICCROM.
- Sharif-Askari, H., & Abu-Hijleh, B. (2018). Review of museums' indoor environment conditions studies and guidelines and their impact on the museums' artifacts and energy consumption. *Building and Environment*, *143*, 186-195.
- Elkadi, H., Al-Maiyah, S., Fielder, K., Kenawy, I., & Martinson, D. B. (2021). The regulations and reality of indoor environmental standards for objects and visitors in museums. *Renewable and Sustainable Energy Reviews*, *152*, 111653.
- Cirrincione, L., La Gennusa, M., Peri, G., Rizzo, G., & Scaccianoce, G. (2024). Indoor Parameters of Museum Buildings for Guaranteeing Artworks Preservation and People's Comfort: Compatibilities, Constraints, and Suggestions. *Energies*, *17*(8), 1968.
- Merriman, N. (Ed.). (2024). *Museums and the Climate Crisis*. Routledge.
- Kraševec, I., Markelj, J., Elnaggar, A., & Cigić, I. K. (2024). Indoor air pollutants and their seasonal monitoring in European museums. *Heritage Science*, *12*(1), 50.
- Canosa, E., & Norrehed, S. (2019). Strategies for Pollutant Monitoring in Museum Environments. Retrieved from Riksantikvarieämbetet website: https://urn.kb.se/resolve?urn=urn:nbn:se:raa:diva-5935.

- Related academic journals:
- Building and Environment
- Atmospheric Environment
- Science of the Total Environment
- Environmental Pollution
- Journal of Environmental Sciences
- Environmental Science and Pollution Research
- Environmental Monitoring and Assessment