



HERITAGE SITES AND ENVIRONMENTAL PROTECTION



Erasmus+

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W1

Introduction: definition of conceptual scope and terminology.

HERITAGE SITES AND ENVIRONMENTAL PROTECTION

W1.1

contents, objectives, lectures, evaluation criteria, bibliography

1 ST SEMESTER - 30 ECTS - POLAND	
N°	COURSE
1.1	Foreign language
1.2	Inventory And Survey Of Historical Buildings (pre-design activities)
1.3	General Building Engineering
1.4	Intervention at Historic Buildings
1.5	Modern Structures and Innovative Building Materials -Technical Appraisal
1.6	Urban renewal -sustainable architecture and urban planning study tour and design studio
1.7	Urban planning
1.8	Architectural design
1.9	Protection of Monuments and Historic Cities
1.10	Theory and History of the city

3 RD SEMESTER - 30 ECTS - SPAIN	
N°	COURSE
3.1 A 3.1 B	Construction applied to Heritage Heritage Problems. Causes. Solutions.
3.2	Master Seminar -Research: Methods and Project
3.3	Methodological approach to conversation
3.4A 3.4B	Historical Building Adaptation To Modern Function Urban Design in Multicultural Cities
3.5	Sustainable Urban Design in Word Heritage Sites
3.6	Sustainable Architecture And Eco-Design
3.7	Traditional , Vernacular And Historic Architecture
3.8	Heritage And Society for Development
3.9	Spatial and Regional Planning
3.10	Comprehensive Design Project (Integrating Aspects Of Technology, Sustainability, Research And Cultural Awareness In The Design Process)
	Heritage Sites and Environmental Protection

2 ND SEMESTER - 30 ECTS - ITALY	
N°	COURSE
2.1	Freehand Architectural Drawing/Urban sketching
2.2	Week summer design studio /real case studies –object and landscape scale -conceptual design
2.3	Architectural conservation studio
2.4	Introduction Course on Theory and History of Conservation
2.5	Nature And Regional Architecture In Design Process
2.6	Landscape Architecture
2.7	The Conservation Area and the Registered Landscape
2.8	Museology & Museography
2.9A 2.9B	Aesthetics of Architecture Philosophy of architecture
2.10A 2.10B	Architectural Design In Historical Context – Design studio Architectural Design In Environmental Context –Design studio
2.11	Propaedeutics of Heritage Protection
2.12	Pre-diploma Professional Practice

4 TH SEMESTER - 30 ECTS	
N°	COURSE
4.1	Introduction to the Labour Market
4.2	Managing the Investment Process
4.3	Master Seminar
4.4	Master Thesis
4.5	Urban and Environmental Economy
4.6	Sociology of the city

Heritage Sites and Environmental Protection

Which are the responsibilities and potentialities of heritage to face the problems related to environmental pollution and climate change? World Heritage Sites attract great numbers of travellers: the tourism industry plays an important role both in the emissions and in the waste production. Dialogue among the different actors and users of the Site, represents an important tool to implement strategies of sustainable planning. The students will be asked to study case studies and to imagine innovative solutions related to the emissions and waste issues. The innovations will be presented in an essay and will have to take into account the synergies between heritage and environment through a travel oriented to the awareness. The course will present a selection of case studies, among which Heritage for Planet Earth®.

Semester 3rd
ECTS of the course 3

Form of classes and number of hours in semester:

Hours of Lecture	15
Hours of Exercises	30
Hours of Laboratory	0
Hours of Design	0

COURSE STRUCTURE

Semester 3rd
ECTS of the course 3

Form of classes and number of hours in semester:

Hours of Lecture	15
Hours of Exercises	30
Hours of Laboratory	0
Hours of Design	0

LECTURES

15hs = 15 lectures

1h = 1 lecture

EXERCISE

topic selection, bibliography, writing

COURSE OBJECTIVES

Gaining knowledge on the responsibilities and potentialities of heritage for the sustainable development of territories.

Acquire awareness on the responsibilities of designers and on the environmental impacts of the urban and architectural design.

Acquire awareness on the environmental threats related to heritage.

Focusing on the environmental impacts of tourism, to gain knowledge on the design strategies for sustainable projects.

LEARNING OUTCOMES

Knowledge:

Has learned the opportunities of sustainable management of sites in order to act in respect of the environment in particular focusing on tourism.

Has basic knowledge of the environmental threats related to tourism industry.

Skills:

Is able to make a preliminary analysis of the environmental opportunities and threats of a Heritage Site.

Is able to articulate the analysis in a possible proposal and writing an essay on it.

Social competences:

Is aware of the environmental risks of the bad or absent management of heritage, especially for what concerns the tourism industry, and understands the role of the architect/conservator/urban planner in relation to his/her social, cultural and environmental sustainable development.

COURSE CONTENTS

W1 Introduction: definition of conceptual scope and terminology.

W2 The history of the environmental issues treated by the United Nations Organization, from the Stockholm Conference in 1972, to the Rio De Janeiro Conference in 1992, to the Sustainable Development Goals 2030. The main organizations involved on the topic at international and European level (the United Nations Environment Program, the International Union for Conservation of Nature, the Food and Agriculture Organization, the World Wildlife Fund, International Federation of Landscape Architects etc.).

W3 Heritage and its role in the environmental process: presentation of the main causes of environmental degradation and of the potentialities related to heritage. Selection of case studies of sustainable planning of World Heritage Sites.

W4 Heritage Sites' tourists-attractiveness; the ever-growing impact of tourism in Heritage Sites in terms of pollution, both for the emissions and for the waste production. A focus on the potentialities of evolution of the tourism industry in respect of the environment. Understanding of the spatial and architectural relationships between heritage, travel and dialogue among different actors and users of a Site. Selection of architectural, urban design and planning case studies.

COURSE LECTURES

W1 Introduction: definition of conceptual scope and terminology.

W1.1 contents, objectives, lectures, evaluation criteria, bibliography

W1.2 the exercise, definitions

W2 The history of the environmental issues treated by the United Nations Organization, from the Stockholm Conference in 1972, to the Rio De Janeiro Conference in 1992, to the Sustainable Development Goals 2030. The main organizations involved on the topic at international and European level (the United Nations Environment Program, the International Union for Conservation of Nature, the Food and Agriculture Organization, the World Wildlife Fund, International Federation of Landscape Architects etc.).

W2.1 history of the environmental issue and main involved organizations

W2.2 Before the flood, movie projection

W2.3 Ecological urbanism: case studies

W2.4 7 case studies from Ecoworld

COURSE LECTURES

W3 Heritage and its role in the environmental process: presentation of the main causes of environmental degradation and of the potentialities related to heritage. Selection of case studies of sustainable planning of World Heritage Sites.

W3.1 Heritage definitions and World Heritage Convention

W3.2 Criteria, heritage in danger, tools for the management

W4 Heritage Sites' tourists-attractiveness; the ever-growing impact of tourism in Heritage Sites in terms of pollution, both for the emissions and for the waste production. A focus on the potentialities of evolution of the tourism industry in respect of the environment. Understanding of the spatial and architectural relationships between heritage, travel and dialogue among different actors and users of a Site. Selection of architectural, urban design and planning case studies.

W4.1 tourism and climate change

W4.2 selection of case studies

W4.3 the opportunities of tourism for intercultural dialogue

W4.4 a comparative analysis on World Heritage Sites for dialogue

W4.5 Case study: localhood in Copenhagen and Bhutan

W4.6 When the Olympics land on a site: Athens and Rio de Janeiro

EXERCISE

1

Creating a short basic bibliography on the selected topic and reading of the reference bibliography for the analysis.

2

Selection and critical analysis of the topic of the essay, looking at synergies between heritage and environment with a special focus on tourism.

3

Elaboration of the essay.

DIDACTIC METHOD

Multimedia presentations (ppt/pdf, videos).

Readings.

ASSESSMENT METHOD

Assessment method description	Pass threshold
Written examination of the lectures content	50%
Design elaboration	50%

STUDENT WORKLOAD

Contact hours with lectures, including:	45
Participation in lectures	15
Participation in exercise classes	30
Student's own work, including:	20
Preparation for examination	10
Individual elaboration of essay	10
Total time of student work	65
Summary number of ECTS credits for the course:	3

BASIC LITERATURE

- 1 UN, Report of the United Nation Conference on the Human Environment, 1972
- 2 UN, Rio Declaration on Environment and Development, 1992
- 3 ICOMOS, International Cultural Tourism Charter - Managing Tourism at Places of Heritage Significance, ICOMOS, Paris, 1999
- 4 UNWTO, Global Code of Ethics for Tourism, UNWTO, Madrid, 2001
- 5 Ritchie A., Sustainable Urban Design, Taylor & Francis, Abingdon, 2008
- 6 UNESCO, New life for historic cities, the historic urban landscape approach explained, UNESCO, Paris, 2013
- 7 UNESCO, Policy Document for the Integration of a Sustainable Development Perspective into the Processes of the World Heritage Convention, UNESCO, Paris, 2015
- 8 Fondazione Romualdo Del Bianco, World Heritage Sites for Dialogue, Masso delle Fate Edizioni, Firenze, 2016
- 9 Mostafavi M., Doherty G., Ecological Urbanism, Lars Muller Publishers, Baden, 2016
- 10 Fondazione Romualdo Del Bianco, Heritage for Planet Earth, Masso delle Fate, Florence, 2017
- 11 UNEP, Towards a Pollution-Free Planet, UNEP, Nairobi, 2017
- 12 IUCN, Global reintroduction perspectives: 2018, IUCN, Gland, 2018
- 13 IUCN, Biodiversity guidelines for forest landscape restoration opportunities assessments, IUCN, Gland, 2018
- 14 SURE Manual, Sustainable Urban Design in World Heritage Sites, 2019

ADDITIONAL LITERATURE

- 1 Partnerships for World Heritage Cities – Culture as a Vector for Sustainable Urban Development. Proceedings from the Urbino workshop, November 2002”, World Heritage Papers No.9, UNESCO, Paris, 2004 <http://whc.unesco.org/en/series/9/>
- 2 Koolhaas, R., Junkspace, Quodlibet, Macerata, 2006
- 3 Guide for city professionals “Historic Districts for all; a social and human approach for sustainable revitalisation”, UN-HABITAT and UNESCO, 2008 http://www.unhabitat.org/downloads/docs/10362_1_594123.pdf
- 4 Managing Historic Cities, World Heritage Papers No.27, UNESCO, Paris, 2010 <http://whc.unesco.org/en/series/27/>
- 5 Recommendation on the Historic Urban Landscape, UNESCO, Paris, 2011
http://portal.unesco.org/en/ev.phpURL_ID=48857&URL_DO=DO_TOPIC&URL_SECTION=201.html
- 6 Paolo Del Bianco, Heritage for Intercultural Dialogue, a New Commercial Offer for the Tourism Market with Life Beyond Tourism, in “Technical Transactions. Architecture”, Vol. 7/A, pp. 7-13, 2015
- 7 UNESCO, The Future of the World Heritage Convention for Marine Conservation, UNESCO, Paris, 2016
- 8 UNESCO, World Heritage in Europe Today, Paris, 2016

WEB SITES

United Nations Environment Programme <https://www.unenvironment.org>

Food and Agriculture Organization <http://www.fao.org/home/en/>

International Union for Conservation of Nature <https://www.iucn.org>

United Nations Sustainable Development <https://sustainabledevelopment.un.org/sdgs>

World Wildlife Fund <https://www.worldwildlife.org>

International Federation of Landscape Architects <http://iflaonline.org>



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