



**AMERICAN UNIVERSITY
OF CYPRUS**

Course Code SAR 402	Course Name Sustainability & Resilience II	ECTS Credit 6
Pre-Requisite Sustainability & Resilience II	Course Type Compulsory	Language of Instruction English
Year of Study 4 th	Level of Course 8 th Semester	Mode of Delivery On Campus

Course Objectives:

The course focuses on integrating knowledge from previous years with new insights into sustainable construction. It categorizes the world's resources into three main types: natural (flora, seas, hills), man-made (buildings, roads, schools), and intangible (customs, folklore). These resources collectively shape societal goals and decisions for the future. Their interconnectedness is essential for sustaining development, as they rely on continuous relationships that evolve. The dynamics of these relationships foster balance and interdependence among people, nature, and culture, creating diverse social and environmental landscapes. Disruptions in these relationships can lead to imbalances, but they may also catalyze new developments, ultimately allowing the system to adapt and become resilient.

Learning Outcomes:

- Focus on landscapes, cultural heritage, and forms of relationships in place. Students have the opportunity to apply what they have been taught in Sustainability and Resilience I, which concerns basic principles, into practice. The course is supported by advanced textbooks.
- Further knowledge about resilience (smart resilience, cultural resilience, carrying capacity) and sustainability (smart cities, EU goals, etc)
- Understanding of the places through the study of a resilience and sustainable city
- Ability to gather and interpret relevant data to formulate judgments involving reflection on related social, scientific or ethical issues.
- Communicate information, ideas, problems, and solutions to both specialized and non-specialized audiences.

Teaching Methodology:

The course is based on illustrated lectures, oral and case studies. Students engage in critical discussions and group dialogue

Course Content:

The main theme of this lesson can be the correlation of place with sustainability and resilience as an effort to identify sustainable and resilient cities, through bibliographic and practical research. The students will be called to first create teams and then select a case study. The case study will include a resilient and sustainable city. It also empowers students to critically address the concept of sustainability, formulate critical views on contemporary sustainable design, and envision practices for a more sustainable future.

The lesson will be divided into the following steps:

1. Introduction to examples of sustainable and resilience cities and new knowledge (smart cities, carrying capacity, etc)
2. Representative case studies of resilient and sustainable cities
3. Selection of the case study: Bibliographic research

Assessment Methods:

Exam, Group Project, Case Study

Required Textbooks/Reading:

Title	Author(s)	Publisher	Year
Environmental Impact Assessment and Strategic Environmental Assessment:	Abaza, H., Bisset, R. & Sadler, B.	UNEP	2004
“Social and Ecological Resilience: Are they related?”	Adger W. N		2000
‘A Framework for Sustainability Indicators at EPA’			2012
A Case Study Approach to understanding Regional Resilience	Foster K. A.	IURD Working Paper	2007
Snapping Back: What Makes Regions Resilient?	Foster K. A	National Civic Review	2007
Resilience Capacity Index: Data, Maps and Findings from Original Quantitative Research on the Resilience Capacity	Foster K. A	US Metropolitan Regions	2011