



Course Syllabus

Course Code	Course Title	ECTS Credits
ARCH-441	History and Theory of Sustainable Design	4
Prerequisites	Department	Semester
-	Architecture	Fall
Type of Course	Field	Language of Instruction
Required	Architecture	English
Level of Course	Lecturer(s)	Year of Study
1 st Cycle	Alessandra Swiny	4 th
Mode of Delivery	Work Placement	Corequisites
Face to face	N/A	-

Course Objectives:

The main objectives of the course are to:

- Promote a view of architecture that transcends constricted and arbitrary self-expression and instead shifts focus on environmental sustainability and on an ecological collective
- Provide a comprehensive understanding of the principles of sustainable architecture/design within a historical, theoretical and socio-developmental context
- Encourage students to detach from overusing umbrella terms such as *ecological* and *green* and learn to recognize valuable, environmentally-responsible features
- Improve students writing and reading skills, develop a deep understanding of text analysis, become expert note takers, and develop creative presentation techniques

Learning Outcomes:

After completion of the course students are expected to be able to:

1. Illustrate an understanding of the history and theory of sustainable design and demonstrate how a paradigm shift in their design priorities has emerged
2. Demonstrate an understanding of ecological systems and express an intrinsic concern for their preservation
3. Appraise notable contributions in the realm of sustainable architecture, technology, urban, rural, and product design, as well as environmental ethics and politics historically responsible for the current state of affairs
4. Develop research, writing and visual and verbal presentations applying skilful

- communication skills
5. Analyze and justify sustainability in design through participation in discussions showing a high level of maturity in their expression techniques and knowledge

Course Content:

- Sustainable architecture and design
- Environmental science
- History of sustainability within an architectural framework
- Our current state – ethics, lifestyle and sustainable cities
- Sustainability in practice - case studies
- Biomimicry
- Emergency architecture

Learning Activities and Teaching Methods:

Lectures, in-class writing exercise, in-class student presentations, directed weekly reading and analysis, weekly writing assignments, case study analysis, videos, note taking, presentation techniques, group discussions and debates, student participation

Assessment Methods:

In-class presentations, In-class writing exercise, At-home writing exercise, Final Packet and Attendance, discussion, development and participation.

Required Textbooks / Readings:

Title	Author(s)	Publisher	Year	ISBN
The greening of architecture: a critical history and survey of contemporary sustainable architecture and urban design	Tabb, Phillip and Deviren, A.Senem	Routledge Ashgate Publishing, NY	2013	<ul style="list-style-type: none"> • 9781409447399
Sustainable design:	Contal, M & Revedin, J.	Birkhäuser GmbH	2009	<ul style="list-style-type: none"> • 3764399384 • ISBN-13:

towards a new ethic in architecture and town planning		Basel		<ul style="list-style-type: none"> 978-3764399382
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Recommended Textbooks / Readings:

Title	Author(s)	Publisher	Year	ISBN
Design like you give a damn: building change from the ground up	Architecture for Humanity	Harry N. Abrams	2012	978-0810997028
Cradle to cradle: remaking the way we make things	Braungart Michael and McDonough William	North Point Press NY	2002	978-0865475878
Architecture for the poor	Fathy, Hassan	University of Chicago Press, Chicago	1973	978-0226239163
Silent spring	Carson, Rachel	Houghton Mifflin Company	1962	978-0618249060