

ARC212 Environmental Control Systems

Faculty of Architecture– Compulsory course

Credit: 3 ECTS: 3



Course Description: Environmental Control Systems explores the fundamental concepts and theories related to environmental and energy resources in architectural design. The course delves into the principles governing sustainable design, energy efficiency, and environmental control systems within the built environment.

Course Outcomes:

- Understand key concepts and theories about environmental and energy resources in architectural design.
- Critically analyze real-life applications of environmental control systems, evaluating their effectiveness and impact.
- Develop an original approach to integrating environmental and energy concepts into architectural design solutions.
- Prepare and deliver effective presentations on environmental control systems, demonstrating a thorough understanding of the subject matter.
- Evaluate personal work based on given criteria, fostering a reflective and self-improving approach to design practices.
- Assess the work of peers using specified criteria, encouraging constructive feedback and collaborative learning.
- Collaborate effectively in group projects related to environmental control systems, applying teamwork skills to achieve common objectives.
- Clearly articulate and explain complex concepts related to environmental control systems in the field of architecture.