

## **FAE430 Sustainability and Architecture**

Faculty of ARCHITECTURE – Elective course

Credit: 3      ECTS: 3



**Course Description:** This course is a comprehensive exploration of the critical intersection between sustainability and architecture. We will focus on the comprehensive integration of sustainable development strategies into architectural design. Students will gain a deep understanding of architectural projects through a sustainability lens, identifying ways to minimize environmental impact while promoting social and economic sustainability. The course also underscores the importance of designing for future generations, ensuring students are equipped to consider long-term sustainability in their projects. Through comprehensive discussions on the UN Sustainable Development Goals (SDGs), students will master sustainability concepts and learn how to apply these principles in their designs.

### **Course Outcomes:**

- Understand the core concepts of sustainability in architecture.
- Perform building analysis based on sustainable architectural approaches.
- Identify various sustainability strategies within architectural contexts.
- Develop sustainable application strategies in architectural design.
- Create architectural designs that reflect sustainable principles for future generations.