

ARCH 2030: Global Sustainability Strategies

3 Credit Hours

This is a study of International aspects of buildings related to social orientation by looking at design and construction around the world in the context of sustainability and the carbon footprint of how we live. Form factors are discussed and the issues of planning, design and construction explored. The Architect/Engineer/Construction Manager's perspectives will be completed by specific building examples.

International differences in the role of buildings/structures within our physical fabric will be explored, yet common threads will be found which can be useful in a shrinking world and a more universal construction industry. This course is open to all majors and undeclared students.

ARCH 2111: Architecture Culture I: Early Civilizations & Medieval

3 Credit Hours

The Architecture Culture sequence is designed as a historical survey of Architectural history and theory. Its aim is to develop an understanding of how architecture manifests the socio-cultural conditions of an era by examining the relationship between architecture and other cultural discourses such as philosophy, aesthetics, science, religion, politics and technology. It also examines how architecture, as a cultural artifact, transforms through time in response to alterations in its surrounding cultural context. This course introduces early architectural traditions and the formulation of European traditions through the Gothic.

ARCH 2211: Architecture Structures I – Introduction to Structures

3 Credit Hours

Prerequisite: (PHYS 1111 and PHYS 1111L) or (PHYS 2211 and PHYS 2211L)

This course is an introduction to architectural structures with an emphasis on statics and strength of materials concepts. Focus is on force systems, shear and moment diagrams and determination of section properties.