

ARCH 3012: Architecture Studio VI

4 Credit Hours

Prerequisite: ARCH 3011

This course is a continuation of ARCH 3011 and the integration of building technologies. Students design a medium to large-scale project within a dense urban setting with a focus on the contemporary workplace. Emphasis is placed on site context and systems and materials research in support of design intent. The first half of the semester is devoted to project design and the latter half is spent examining construction tectonics through large-scale physical models.

ARCH 3112: Architecture Culture II – The Renaissance through 1850

3 Credit Hours

This course examines the rise of renaissance architecture and architectural theory and traces the spread of their influence across Europe into the enlightenment. The architectural impact of colonial expansion is studied as European architecture interacts with or displaces the local traditions of colonized areas in Asia, Africa, and the Americas.

ARCH 3113: Architecture Culture III: Historicism and the Emergence of New Traditions

3 Credit Hours

This course explores the innate relationship between the making of architecture and architectural theory as the events of the nineteenth and twentieth centuries unfold. Nineteenth century historicism in Europe and the United States is introduced and followed by an examination of the changing relationship to history that precedes the turn of the twentieth century. This course then begins an investigation of the diverse regional and conceptual approaches to modernity, covered up to the International Style Exhibition.

ARCH 3211: Architecture Structures II: Steel and Wood

3 Credit Hours

Prerequisite: ARCH 2211

This course builds on ARCH 2211 with a focus on design and analyses of statically determinate wood and steel structure systems, mainly frames. Upon completion students would be able to apply design techniques in defining a frame system and selecting or sizing wood or steel members, particularly beams and columns, trusses, diaphragms, and connections. Knowledge and skills are applied in a final team project that highlights a structural form employing wood and steel.