ARCHITECTURE (ARCH)

ARCH 111 F Introduction to Architecture   3 Units
54 hours lecture per term. This course is designed for architecture majors as well as people interested in learning more about the architectural profession. The focus is split into two areas of emphasis. Architectural theory and history are explored from ancient civilizations to the present trends in design. The practical/business side of architecture is discussed; the topics include education requirements and job opportunities as well as the architect's perceived role in our society. (Degree Credit) (CSU) (UC)

ARCH 113 F Architectural Drawing I   3 Units
36 hours lecture and 72 hours lab per term. This course is designed to develop graphic and visualization skills, and its link as a means of externalizing, evaluating and communicating ideas. It will include both freehand and mechanically constructed type of orthographic, axonometric, oblique and lineal perspective drawings on two-dimensional surfaces. It is intended to develop the use of instruments, lettering, line weights, graphics and presentation layout. The media to be used will include pencil, ink, colored pencil and markers. (Degree Credit) (CSU) (UC)

ARCH 114 F Architectural Materials and Methods   3 Units
54 hours lecture per term. This course covers the various types of building materials used in construction and their applications in the formulation of specifications for building design. (Degree Credit) (CSU)

ARCH 124 F Architectural CAD I   3 Units
36 hours lecture and 54 hours lab per term. This is a beginning course in using the CAD system for architectural applications. The course covers elementary principles associated with the various menu and command structures in computer-assisted drafting. Topics included are file management, layering, symbol libraries, orthographic projection, dimensioning, line types and the generation of text. (Degree Credit) (CSU)

ARCH 125 F Design Studio I   4 Units
Prerequisite(s): ARCH 111 F with a grade of C or better.
Advisory: ARCH 113 F
54 hours lecture and 54 hours lab per term. This course introduces the student to the formal and spatial language of architecture. Assignments will be explored in the form of studio projects. Such projects will be the analysis of case studies, and their integration in the design process (CSU) (Degree Credit)

ARCH 215 F Design Studio II   4 Units
Prerequisite(s): ARCH 125 F with a grade of C or better.
54 hours lecture and 54 hours lab per term. The course is a continuation of Design Studio I to further enhance skills in the development of a personal theory of design. Students will extend their understanding in such areas as visualization, decision making, and evaluation. (CSU) (Degree Credit)

ARCH 225 F Design Studio III   4 Units
Prerequisite(s): ARCH 215 F with a grade of C or better.
54 hours lecture and 54 hours lab per term. This course is a continuation of Design Studio II to further enhance skills in understanding the organization of design and emphasis on the means of architecture. Site analysis and building orientation will be explored. Two- and three-dimensional drawings and model building will be produced. (Degree Credit) (CSU)

ARCH 227 F Internship in Architecture   2-4 Units
18 hours lecture and 54-162 hours of supervised employment, paid or unpaid internship per term. This course is designed to provide learning opportunities through employment in an architectural firm or related type of business. No more than three units may be applied toward the degree or certificate. This course may be taken up to four times. (Degree Credit) (CSU)

ARCH 924 F Architectural CAD II   3 Units
Advisory: ARCH 124 F
36 hours lecture and 54 hours lab per term. This is an intermediate course that utilizes the CAD system for architectural applications. The course incorporates principles associated with the various menu and command structures in computer-assisted drafting to develop solutions to 2D and 3D design problems. (Degree Credit)

ARCH 934 F Architectural CAD III   3 Units
Prerequisite(s): ARCH 924 F with a grade of C or better.
36 hours lecture and 54 hours lab per term. This is an advanced course utilizing the CAD system to produce a set of construction documents. This course deals with commercial construction as applicable to the present professional standards in terms of technical drafting and 2-D and 3-D computer drafting. (Degree Credit)