

METROPOLITAN STATE UNIVERSITY OF DENVER
Office of Academic and Student Affairs

REGULAR COURSE SYLLABUS

School of: Professional Studies

Department: Engineering Technology

Prefix & Course Number: ARCH 2002 Crosslisted With*:

Course Title: Architectural Design – Studio 1

Banner course title (30 characters): Architectural Design Studio 1

Check All That Apply: Required for Major: Required for Minor: Specified Elective:
Required for Concentration: Elective: Service Course:

To receive Title IV financial aid funds, all institutions of higher education must comply with the federal definition of a credit hour. The Higher Learning Commission requires institutions to maintain policies and procedures for verifying compliance with this definition.

Federal Credit Hour Definition: A credit hour is an amount of work represented in intended learning outcomes and verified by evidence of student achievement that is an institutionally-established equivalency that reasonably approximates not less than:
(1) one hour of classroom or direct faculty instruction and a minimum of two hours of out-of-class student work each week for approximately fifteen weeks for one semester or trimester hour of credit, or ten to twelve weeks for one quarter hour of credit, or the equivalent amount of work over a different amount of time; or (2) at least an equivalent amount of work as required in paragraph (1) of this definition for other activities as established by an institution, including laboratory work, internships, practica, studio work, and other academic work leading toward to the award of credit hours. 34CFR 600.2 (11/1/2010)

Credit Hours: 3 (2+2)

Face-to-Face or Equivalent Hours per course:

Lecture 30 Lab 30 Internship Practicum Other (please specify type and hours):

Additional Student Work Hours per course: 90

Schedule Type: B Grade Mode: L

Variable topics umbrella course: No Yes If Yes, number of credit hours allowed

Specified repeatable course: No Yes

APPROVED:

Fuzia Balogh Department Chair OR Program Director [Signature] Date Jan. 28, 2014

Dean OR Associate Dean [Signature] Date 1-30-14

Associate VP, Academic and Student Affairs [Signature] Date 03/13/14

*If crosslisted, attach completed Course Crosslisting Agreement Form

Prefix and Course Number: ARCH 2002

Prerequisite(s): CET 1215 with grade "C" or better

Corequisite(s):

Prerequisite(s) or Corequisite(s):

Banner Enforced:

Prerequisite(s): CET 1215 with grade "C" or better

Corequisite(s):

Prerequisite(s) or Corequisite(s):

Registration restrictions: Level _____ Class _____ Program/Major _____ Student attribute _____

Catalog Course Description:

In this course students will focus on a practical residential building design. The small-scale dwelling design will include the overall planning process from creating a basic building concept to its finished plan and documentation.

Required Reading and Other Materials will be equivalent to:

Required Reading:

BIELEFELD, Bert – EL KHOULI, Sebastian (2007). *Basic Design Ideas*, Basel.Boston.Berlin, Germany, Birkhäuser Verlag AG

Other Materials:

1. Sergeant, John (1976). *Frank Lloyd Wright's Usonian Houses – The Case for Organic Architecture*, New York: Whitney Library of Design, Watson- Gutpill Publications
2. Linton, Harold and SUTTON Scott (1993). *Sketching the Concept – Perspective Illustration for Architects, Designers & Artists*. New York, USA: Design Press
3. Steele, James (1996). *How House – RM Schindler*. Great Britain: Academy Editions
4. Dean, David (1983). *Architecture of the 1930s – Recalling the English Scene*. USA: Rizzoli International Publications, The Royal Institute of British Architects Drawings Collection, Inc.

Specific, Measurable Student Behavioral Learning Objectives:

Upon completion of this course the student should be able to:

1. Discuss the different trends in architecture theory.
2. Describe planning techniques.
3. Examine visual communication techniques.
4. Interpret environment design and the contemporary state of architecture.
5. Apply their individual creativity with the knowledge of technical skills.
6. Analyze the design problems and the built environment.
7. Design a complex residential building in an architecturally creative style.

Detailed Outline of Course Content:

- I. Residential Buildings
 - A. History of Residential Building Design
 - B. Architectural Methodology
 - C. Architectural Theories
 - D. Architectural Purposes in Residential Building Design
 - E. Contemporary Examples
- II. Path of the Residential Building Design
 - A. The Location
 - B. The Plot
 - C. Form
 - D. Space – Structures in the Building

Prefix and Course Number: ARCH 2002

- E. Program
- F. Function
- G. Furnishing and Function
- H. Materials of the Residential Building
- I. Sustainability
- III. Planning Points, Project Parts
 - A. Visual Communication Methods
 - B. Graphic Examples
- IV. Residential Buildings – Contemporary
 - A. Reasons
 - B. Naive, Folk, Popular
 - C. Trends, Future
 - D. Analyses, Examples

Evaluation of Student Performance:

1. Project
2. Exam
3. Homework
4. Oral presentation
5. Class participation