

WEST VALLEY COLLEGE
Course Outline

Department: Architecture

Course Number and Title: ARCH 053 - Introduction to Architectural & Environmental Design

Length of course in weeks: 16

Units: 3

Total Class Hours/Week: 3

Lecture Hours/Week: 3

Grade Type: Grade/Credit/No Credit

Catalog Description: This course is an overview of the field of environmental design and introduces the design process as a basis for architectural decision-making. Other topics include the professional fields of architecture, engineering, city planning, landscape architecture, allied profession, and construction.

Schedule Description: This course is an overview of the field of environmental design and introduces the design process as a basis for architectural decision-making.

Course Outcomes: Student Learning Outcomes

1. **Outcome:** Students will be able to analyze the social implications of environmental design decisions.

Assessment: Field Trip Reports

2. **Outcome:** Students will be able to compare and contrast different built environments in the areas of product design, interior design, landscape architecture, architecture, urban design, and sustainable design.

Assessment: Final Exam.

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

1. Describe the design concepts, personalities, and movements pertinent to architecture, architectural engineering, city planning, landscape architecture, allied professions, and construction.
2. Describe the built environment with an awareness of the issues, context, and compromises that shaped its development.
3. Begin to formulate a personal attitude towards environmental design.
4. Describe the requirements of professional registration and analyze the responsibilities that go with registration.
- 5.

Assessment: Students in this course will be graded base on the following four categories:

1. **Writing Assignments:** term or other paper(s) and reading report(s)
2. **Problem Solving Demonstrations:** quizzes
3. **Skill Demonstrations:** field work
4. **Examinations:** multiple choice, true/false, and matching items

Repeatability: 1 time

Methods of Instruction: Lecture

Lecture Content:

1. Introduction: Definition, Design, and Development of the Built Environment.	5.00 %
2. Central Issues: Human-Environmental-Technical Dimensions of a Quality Environment.	10.00 %
3. The Design and Planning Components (Levels of Integration) in the Built Environment.	10.00 %
4. Products: Industrial and Product Design.	5.00 %
5. Interiors: Interior Design.	10.00 %
6. Structures: Architecture, Engineering, and Construction.	10.00 %
7. Landscapes: Landscape Architecture and Planning.	10.00 %
8. Cities: Urban Design and Planning.	10.00 %
9. Regions: Regional Planning and Management.	10.00 %
10. Earth: Global Policies, Planning, and Management.	10.00 %
11. Challenges: Designing and Planning a Quality Sustainable Environment for All.	10.00 %

Critical Thinking: Evaluate the environmental design of a significant architectural structure in the Bay Area.

College Level Required Reading, Writing, and other Outside-of-Class Assignments:

Over a 16 week presentation of the course, three hours per week are required for each unit of credit. Two hours of independent work done out of class are required for each hour of lecture. Outside of the regular class time the students in this class will be doing the following outside of class:

- **Study:** 2.00 additional hours
- **Required reading:** 2.00 additional hours
- **Written work:** 1.00 additional hour
- **Observation/Participation:** 1.00 additional hour

Textbook:

Bartuska Tom J., McClure Wendy R. The Built Environment: A Collaborative Inquiry Into Design and Planning. 2nd ed. Wiley and Sons Inc., 2007. ISBN: 9780470007525