

## College of San Mateo Course Outline

- New Course  
 Update/No change  
 Course Revision (Minor)  
 Course Revision (Major)

Date: 02/15/2011

Department: Arch Number: 100  
Course Title: Survey of Modern Architecture Units: 3  
Total Semester Hours Lecture: 48 Lab: Homework: 96 By Arrangement:

### Length of Course

- Semester-long  
 Short course (Number of weeks \_\_\_)  
 Open entry/Open exit

### Grading

- Letter  
 Pass/No Pass  
 Grade Option (letter or Pass/No Pass)

Faculty Load Credit (To be completed by Division Office; show calculations.):  
48/16 = 3 FLC

1. **Prerequisite** (Attach Enrollment Limitation Validation Form.)
2. **Corequisite** (Attach Enrollment Limitation Validation Form.)
3. **Recommended Preparation** (Attach Enrollment Validation Form.)
4. **Catalog Description** (Include prerequisites/corequisites/recommended preparation. For format, please see model course outline.)  

Minimum of 48 lecture hours per term. Basic values and concepts in contemporary architecture as a synthesis of art and science. A study of the significant design work, principles, and visions of influential architects, planners, and designers from the end of the 19th century into the 21st century. Explores the critical relationships between architecture and environmental design and human experience, societal needs, building technique and community. Slides, films, lecture and individual research. (AA: Area E5c, CSU: Area C1, UC)
5. **Class Schedule Description** (Include prerequisites/corequisites/recommended preparation. For format, please see model course outline.)  

A study of influential architects and architecture from the end of the 19th century into the 21st century. The relationships between environmental design and individual and societal needs, building technique and community. The nature and experience of architecture as a creative synthesis of art and science. (AA: Area E5c, CSU:Area C1, UC)
6. **Student Learning Outcomes** (Identify 1-6 expected learner outcomes using active verbs.)  

Upon successful completion of the course, the student will be able to:

- Discuss visual and social elements embodied in 20th century movements in contemporary architecture.
- Discuss and identify critical relationships between architecture or environmental design and human experience and functional needs.
- Identify and describe the significant design work, concepts and principles of influential architects and environmental designers from the end of the 19th century to the 21st century.

7. **Course Objectives** (Identify specific teaching objectives detailing course content and activities. *For some courses, the course objectives will be the same as the student learning outcomes. In this case, "Same as Student Learning Outcomes" is appropriate here.*)

Same as Student Learning Outcomes

8. **Course Content** (Brief but complete topical outline of the course that includes major subject areas [1-2 pages]. Should reflect all course objectives listed above. In addition, a sample course syllabus with timeline may be attached.)

1. Confronting the 20th Century: Defining a Contemporary Architecture:

- Introduction, the realm of architecture and environmental design in society as a unity & synthesis of scientific and artistic sensibilities; "Design" as a creative problem solving process and as a response to human and social needs; "contemporary architecture" through history and indigenous societies; Firmness, commodity, delight;
- Architecture in the 19th c, eclecticism & historicism, école de beaux arts; Developments in late 19th art forms, photography;
- The Industrial Revolution;
- Growth of cities, new urban social needs, housing, environmental health & safety;
- New construction technologies, steel framing, reinforced concrete, glass, elevators
- Search for new expression: Art Nouveau, Regionalism, Arts & Crafts
- Early Modern Architects, concepts & work: Gaudi, Eliel Saarinen, Greene & Greene, Morgan, Maybeck, Organic Architecture, Sullivan, Frank Lloyd Wright, Le Corbusier, Walter Gropius, The Bauhaus, Mies van der Rohe, CIAM, The Sarraz Declaration, The Athens Charter

2. Mid-Century Contemporary: Theory into the Mainstream:

- The International Style & Post War Reconstruction, Corbusier, Mies & Wright build;
- Structure & the engineering aesthetic, Functionalism & the legacy of Mies, Philip Johnson & Marcel Breuer; Steel frame to space frame: Buckminster Fuller: Geodesic + doing more with less;
- Concrete & shells : Torroja, Candella, Pier Luigi Nervi
- Form & Expression: Eero Saarinen, Kenzo Tange, Jorn Utzon
- Modern Humanism & Expression: Alvar Aalto
- The corporate practice: SOM
- New models for habitation: Solari, Safdie, Eames, Case Study Houses
- Bay Area regionalism: William Wurster, Eichler Development
- City / Urban planning: rise of government intervention, urban renewal, zoning, redevelopment, 50's & 60's interventions; Loss of Place; Lessons learned.

3. Late 20th Century Contemporary: Pluralism, Learning from the Past & Envisioning New Design Solutions for the next Century.

- End of CIAM, Questioning & Abandoning Modern Orthodoxy;

- The Image of the City-Lynch 1960, Life & Death of Great American Cities-Jacobs, 1961; Complexity and Contradiction in Architecture- Venturi, 1965
- Recognizing complexity, context, problem definition & the lessons of history, the vernacular, regional identity; Identification of place, "sense of place"; Sustainability; The impact of digital technologies;
- Architects, concepts & work: Kahn, Venturi, Moore / MLTW, Graves, Piano & Rogers, Foster, Legorreta, Gehry, Maya Lin, Herzog & de Meurion, Zumthor, Joy; Regionalism: Esherick & Turnbull; post modernism, deconstructivism, phenomenology, regionalism, sustainability, parametric design, design & social responsibility;
- Late 20th C. urban issues & recent concepts in City Planning; Rediscovery of the City, New Urbanism; Sustainability, Community & Place;

9. **Representative Instructional Methods** (Describe instructor-initiated teaching strategies that will assist students in meeting course objectives. Describe out-of-class assignments, required reading and writing assignments, and methods for teaching critical thinking skills. **If hours by arrangement are required, please indicate the additional instructional activity which will be provided during these hours, where the activity will take place, and how the activity will be supervised.**)

Lecture presentations supplemented by appropriate slides and video. May also include field trips to local buildings and areas of interest.

10. **Representative Methods of Evaluation** (Describe measurement of student progress toward course objectives. Courses with required writing component and/or problem-solving emphasis must reflect critical thinking component. If skills class, then applied skills.)

Book reports (book selected from list relevant to course content)  
Textbook reading summaries.  
Midterm and final examinations (including slide identification)  
Term paper / research project

11. **Representative Text Materials** (With few exceptions, texts need to be current. Include publication dates.)

Modern Architecture, Kenneth Frampton, 4th ed., Thames & Hudson, 2007.  
Architecture After Modernism, Diane Ghirardo, Thames & Hudson, 1996.  
Why Architecture Matters, Paul Goldberger, Yale University Press, 2009.

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