

Glendale Community College

Department of Architecture

Course Syllabus – Fall 2011

Course Title: Building Codes I (3 Units) - On-line class

Office Hours: M,W 5:55 – 6:55pm; T, Th, F 2:25 – 3:25pm
Location: AT 223 (Inside AT 220)

Note: Even though this is an on-line class, students are welcome to come in for one-on-one or small group help during office hours.

Catalog Number: Arch 106

Instructor: Mr. Dave Martin

Phone: (818) 240-1000 ext. 5528

Email: Use the Blackboard email system to contact the instructor for class-specific questions. Otherwise, use dmartin@glendale.edu.

Webpage: www.glendale.edu/dmartin/

Description: Architecture 106 offers students fundamental instruction regarding the use of current, relevant codes and standards required to review and check plans and specifications in compliance with non-structural aspects of the Uniform Building Code (UBC).

Course Duration: This is an on-line course one semester in duration of approximately fifteen (15) weeks.

Prerequisite: Architecture 101 or equivalent
Recommended Preparation: Eligibility for English 120 or ESL 151.

Course Grading System

Area	% Value
Chapter Assignments	20
Chapter Quizzes	40
Final Exam	40
Total	100%

- All work is graded based on a percentage and is averaged to find the total grade.

Required Text and Materials: Building Codes Illustrated – A Guide to Understanding the 2009 International Building Code®, Francis Ching, 2009, John Wiley & Sons Inc., Hoboken, NJ, 2007.
ISBN: 978-0-470-19143-9

Attendance Policy

Since this is an on-line class there will be no attendance grade. Students are expected to participate in the class by viewing on-line lecture files, taking quizzes, and completing the on-line final exam. All content will be accessed through the Blackboard content management system.

The class is a three unit lecture class. This means that if the student were taught in a traditional setting, the class would meet for a total 48 hours. In addition the class is designed for the student

to spend an additional 2 hours for every hour that the class meets for other class-related tasks. This gives a total of 144 hours. Depending on how fast the student picks up the material, the time that they spend on the class may vary.

Academic Honesty

It is extremely important the students are honest in their education. It is unacceptable for a student to copy the work of another student and turn it in as their own. This includes answers on quizzes and exams. If a student is caught cheating that assignment will receive a failing grade and further disciplinary action will be taken (i.e. being dropped from the course). Please refer to the GCC catalog for further information.

Grade Change Policy

It is the policy of the Instructor and Glendale College to only allow grade changes for the following reasons:

- Clerical error on the part of the instructor.
- Computer problem (technical error during submission of grade by instructor).
- Revaluation of student's work (at instructor's discretion).
- Grade change from an incomplete (I) grade.

Unless arrangements are made with the instructor prior to the end of the semester, the grade given is the final grade. Grades **will not** be changed by the instructor for work that is turned in after the end of the semester.

Students with Disabilities

All students with disabilities requiring accommodations are responsible for making arrangements in a timely manner through the Center for Students with Disabilities. Although not required, the student should notify the instructor of any special needs.

Student Learning Outcomes

1. Students will apply the Uniform Building Code (UBC) when planning the design of a residential or commercial structure.
2. Students will classify structures based on their method of construction methods.
3. Students will compare and contrast combustible and non-combustible construction methods.
4. Students will determine methods of egress (exiting) to meet requirements of local building departments.
5. Students will identify Americans with Disabilities Act (ADA) standards used in architecture.

Internet Access

- A Blackboard page has been created for this class. Go to <http://bb.glendale.edu/webct/> for access. Use for student ID# for your login. For those students new to Blackboard, your initial password will be your birth date (MMDDYY).
- All class information will be available on the Blackboard page.
- It is recommended that students who have not taken an on-line class attend a Blackboard Class Orientation. See the GCC webpage for more information.

Arch 106 - Weekly Schedule

<u>Week</u>	<u>Description of Topics</u>
1 (8/29-9/3)	Introduction to Course, Effective Use of the Building Code Chapter 1 – Building Codes
2 (9/4-9/10)	Chapter 1 - Continued Chapter 2 – Navigating the Code Ch. 1 Assignment
3 (9/11-9/17)	Quiz #1 (Chpts. 1 & 2) Chapter 3 - Use and Occupancy Ch. 2 Assignment
4 (9/18-9/24)	Chapter 4 – Special Uses and Occupancies Ch. 3 Assignment
5 (9/25-10-1)	Quiz #2 (Chpts. 3 & 4) Chapter 5 – Building Heights and Areas Ch. 4 Assignment
6 (10/2-10/8)	Chapter 6 - Types of Construction Ch. 5 Assignment
7 (10/9-10/15)	Quiz #3 (Chpts. 5 & 6) Chapter 7 - Fire-Resistive Construction Ch. 6 Assignment
8 (10/16-10/22)	Chapter 8 – Interior Finishes Ch. 7 Assignment
9 (10/23-10/29)	Quiz #4 (Chpts. 7 & 8) Chapter 9 – Fire-Protection Systems Ch. 8 Assignment
10 (10/30-11/5)	Chapter 10 - Means of Egress Chapter 11 – Accessibility Ch. 9 Assignment
11 (11/6-11/12)	Quiz #5 (Chpts. 9 & 10) Chapter 12 – Interior Environment Chapter 13 – Energy Efficiency Ch. 10 & 11 Assignments
12 (11/13-11/19)	Chapter 14 – Exterior Walls Chapter 15 – Roof Assemblies
13 (11/20-11/26)	Chapter 16 – Structural Provisions Chapter 17 – Structural Tests and Special Conditions
14 (11/27-12/3)	Chapter 18 – Soils and Foundations Chapter 19 – Building Materials and Systems
15 (12/4-12/10)	Chapter 20 – Existing Structures Final Exam (The final will be available until the end of finals on 12/14/2011.)

Notes:

1. Schedule is subject to change. Students will be given advance notice.
2. This a recommended schedule for the class. Students must maintain at least this pace but can work ahead if they desire.
3. Quizzes and Chapter Assignments will be due on Monday of the 2nd week after they are assigned.