Glendale Community College

Department of Architecture www.glendale.edu/arch

Course Syllabus - Fall 2013

Course Title: Architectural Drafting and Design (3 Units)

T, Th 9:00am - 12:20pm Location: AT 220/200

(Class is taught at the same time/location as Arch 101)

Office Hours: T, Th 12:10 – 12:40 and T, Th, F 2:25 – 3:25pm

Location: AT 223 (Inside AT 220)

Catalog Number: Arch 102 Class Number: 3927

Instructor: Mr. Dave Martin

Phone: (818) 240-1000 ext. 5528 Email: dmartin@glendale.edu

Webpage: http://qcc.qlendale.edu/dmartin

Description: Architectural 102 is the study of the design of the single family dwelling with

emphasis on the ranch style structure. Discussion covers the latest construction innovations, framing techniques, scale detail drawing, and the drafting of working drawings. Study explores in greater detail the applicable building codes pertinent to residential construction, modular construction, solar planning, insulation requirements, orientation, and other facets of

construction. Prerequisite: Arch 101 or equivalent. Transfer Credit: CSU

Course Duration: Course is one semester in duration of approximately fifteen (15) weeks.

Prerequisite: Art 130 Design I (Art 130 may be taken concurrently)

Course Grading Systems

| Area | % Value |
|------------------------|---------|
| Attendance | 10 |
| Initial Projects | 10 |
| Major Project Drawings | 50 |
| Quizzes | 10 |
| Final Presentation | 20 |
| Total | 100% |

- All work is graded based on a percentage and is averaged to find the total grade.
- All projects will be graded on a 100 point grading system.
- Grades and other information will be posted on the Moodle page network.

Recommended Text and Materials: The Professional Practice of Architectural Working Drawings, 4th Edition, Osamu A. Wakita, 2011, John Wiley and Sons, New York, NY ISBN: 0-470-61815-9

- The proper tools. (An architectural drafting kit is available in the bookstore. Some additional tools may be required)
- A supply of "D" Size vellum. (Buy the type with the preprinted architectural title block.)
- Additional Sketch or Grid paper.
- A calculator is optional but recommended.

Attendance Policy

Attendance is worth 10% of the overall grade. The attendance grade is calculated as follows:

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1 Absence = 90%, 2 Absences = 80%, 3 Absences = 70%, 4 Absences = 60%,
5 Absences or more = 0%
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Attendance is taken at the beginning of class. If a student is late more than 15 minutes then a ½ absence will be counted toward the attendance grade. Students may also be dropped from a class for excessive absences. If a student misses the equivalent time the class meets in a two-week period then the student may be dropped (see GCC catalog for policy). Certain absences will be excused at the discretion of the instructor.

If a student does miss a class it is extremely important that they contact the instructor as soon as possible. Since it is difficult to make up missed class time, it is important that the student attend every class meeting!

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 drawings, answers on tests and quizzes, and other work done either inside or outside the lab. If a student allows another student to copy their work then both students will receive a zero (0%) on that assignment.

Other Course Guidelines

- All work is due on or before the date given. Drawings will be collected twice during the semester, once on the due date and again at the end of the semester.
- All work will be graded in pencil on the original drawing. CAD versions will be graded on printed drawing.
- It is your responsibility to make sure that your workstation is clean at the end of each class meeting. Be sure to move the parallel straightedge/drafting machine scale to the top of the table at the end of the class.
- Some drafting tools are available for student use. Please do not remove these from the classroom without permission from the instructor.

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 <u>will not</u> be changed by the instructor for work that is turned in after the end of the semester.

Electronic Device Policy

It is the policy of the department to only allow electronic devices to be on in class if they are in silent or vibrate mode. If the student receives a call during class they must either ignore it or leave the room to answer. Text messaging is only allowed outside of the classroom during lecture. Students may text message during open lab as long as they are not disturbing other students.

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 instructor should be notified by the student of any special needs.

Class Requirements and Instructor Expectations

- All work must be completed in the classroom. Work completed outside the room will not be graded.
- Drawings will be collected/graded twice during the semester, once on the due date and again at the end of the semester. If an assignment receives lower than an 80%, the student may resubmit the assignment. Both grades will be averaged together.
- All work will be graded in pencil on the original drawing.
- It is your responsibility to make sure that your workstation is clean at the end of each class meeting. If you find any equipment damaged or missing notify the instructor immediately.
- Projects are due on or before the date given.
- All work will be graded in pencil on the original drawing.
- In the event of an absence, the student must inform the instructor in advance to make up tests and assignments.

Student Learning Outcomes (SLOs)

- Students will be able to discuss the meaning of basic architectural/technical vocabulary terms.
- Student will demonstrate proficiency in drawing on vellum and in the use of drawing instruments.
- Students will complete a set of working drawings for a two or three bedroom residential structure.
- Student will discuss examples of the use of the Building Code as it applies to their final project.

Internet and Lab Access

- A Moodle page is available for this class. Go to: http://moodle.glendale.edu/ for access. Enter your username and password to login to Moodle. Your username is your Student ID number. If you are logging in for your first time, your default password is your six-digit date of birth (mmddyy). For example, if you were born on July 4, 1980 your password would be 070480.
- Handouts, Syllabi, Grades and other information will be available on the Moodle page.

Arch 102 - Weekly Schedule

| Week | <u>Description of Topics</u> |
|--------------------------|---------------------------------------------------------------------------------------------------------------|
| 1 (9/3, 9/5) | Introduction, Syllabus Floor and Site Planning Lecture – Floor Planning |
| 2 (9/10, 9/12) | Floor and Site Planning cont. Lecture – Site Planning Floor Plan Sketch, Site Plan Sketch, Square Footage Due |
| 3 (9/17, 9/19) | Roof Planning, Door Window Schedules Floor Plan Tracing Guide Due |
| 4 (9/24, 9/26) | Lecture - Elevations Elevations |
| 5 (10/1, 10/3) | Open Lab Site Plan - Complete, Elevation Sketches Due |
| 6 (10/8, 10/10) | Lecture Roof Framing Floor Plan, Door/Window/ Room Finish Schedules - Complete Due |
| 7 (10/15, 10/17) | Open Lab Elevations - Complete |
| 8 (10/22, 10/24) | Lecture – Foundation Plan/Details |
| 9 (10/29, 10/31) | Foundation Plan and Details Sketch Due |
| 10 (11/5, 11/7) | Lecture – Electrical, Fireplace Section, Wall Section Foundation Plan – Complete Due |
| 11 (11/12, 11/14) | Open Lab Foundation Details – Complete Due |
| 12 (11/19, 11/21) | Open Lab |
| 13 (11/26) | Open Lab Holiday - 11/28 - No Class |
| 14 (12/3, 12/5) | Begin Final Presentations |
| 15 (12/10) | 12/12 - Last Meeting 7:30-10:00am - Continue Final Presentations, Portfolio Due |

Notes:

- 1. Schedule is subject to change.
- 2. All projects are graded two weeks after being assigned.
- 3. Vocabulary quizzes will be given in class using the Moodle software.