

College of the Redwoods
Drafting Technology Department Course Syllabus: DT-71
Architectural Drafting Fundamentals

InstructorCatherine Ory
SemesterSpring, 2017
Course numberE0807
Units3
Meeting timesMonday & Wednesday 10:05-12:35
Classroom.....AT 105
Office hoursMonday & Wednesday 9:30-10:00am (or by appointment)
OfficeAT 105
E-mailcat-ory@redwoods.edu

Course Description: A study of drafting with an emphasis on the development of architectural plans. Students will create plan sets with consideration for aesthetics, methods of construction, building codes, and common industry practices. CAD architectural drafting techniques will be emphasized.

Textbook: Jefferis, A. and Madsen, D. (2011). Architectural Drafting and Design. Clifton Park, N.Y.: Del Mar/Thomson Learning.

Materials: In addition to the textbook, you will need a pencil, three ring binder (for notes and tutorials) and a U.S.B. storage device to store and submit your work.

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

1. Demonstrate knowledge of architecture and architectural drafting techniques.
2. Use CAD software to create 3D building information models (BIM) with consideration for common building practices, applicable codes, and CAD standards.
3. Research, document and present various aspects of architecture.

Class Format: Lecture/ lab

Course Management: This course will be managed using the CANVAS learning environment. Course information, announcements, and current grades are available through the CANVAS link at redwoods.edu

It is incumbent upon the student to check the accuracy of their grade. Please make your instructor aware of any mistakes, errors or omissions by **May 5, 2017**

Course Requirements: As a student drafter in DT-71 you are required to attend lectures, participate in labs in which you will work on and complete architectural drawings; read the text assignments and engage yourself fully in the tests, assignments, and projects. You are also required to submit two sets of drawings during the semester.

Grades are based on the following:

70% Projects
10% Textbook Questions & Assignments (homework)
10% Midterm
10% Final

Grading Criteria:

90 - 100% = A Excellent
80 - 89% = B Above Average
70- 79% = C Average
60 - 69% = D Below Average
0 - 59% = F Fail

Projects (70%)

- **Drafting Projects (60%)**
 - Lakeside Cabin (25%)
 - Habitat House (35%)
- **Architect's Biography (10%)**

Textbook Questions & Assignments (Homework) (10%)

Each chapter covered will have specific questions assigned. The assigned questions are homework. Whenever possible, the beginning of class will be a review of the chapter and additional information will be provided.

*Late work, for any reason, is penalized 20% and will not be accepted more than 2 class meetings after it is due.

Midterm (10%)

A computer-based midterm will take place on **Wednesday, March 8th**.

Final (10%)

A computer-based final exam will take place on **Wednesday, May 10th at 10:45am**.

*Per CR policy, students with 4 absences prior to March 31st will be dropped from the course and will not be provided a refund.

Other Important Information:

- The information in this document is subject to change, with notice, in the event of extenuating circumstances.
- The following items may be found on the Canvas site for this class:
 - Calendar
 - Assignments
 - Announcements
 - Grade book
 - Resources such as reading assignments and handouts.
- It is your responsibility to check Canvas frequently.
- It is expected that students attend every class, on time, and stay for the duration of the class. If you are absent it is your responsibility to get the missed information before the next class. Make use of the instructor's office hours to get missed information; there will not likely be time during class for the instructor to go over the missed instruction or assignment.
- The software used in this class (Autodesk Revit 2017) is available for free download. It is NOT required or expected that you have the software available outside of the CR lab. College staff does not provide technical support your personal software or computers.
- Some weekend lab hours will be available. Times are posted on the white board in the lab.
- **SPILLPROOF WATER BOTTLES ARE ALLOWED IN THE LAB. NO OTHER FOOD OR DRINK IS PERMITTED AT THE COMPUTER WORKSTATIONS.**

Special Accommodations: College of the Redwoods complies with the Americans with Disabilities Act in making reasonable accommodations for qualified students with disabilities. Please present your written accommodation request at least one week before the first test so that necessary arrangements can be made. No last-minute arrangements or post-test adjustments will be made. If you have a disability or believe you might benefit from disability related services and may need accommodations, please see me or contact [Disabled Students Programs and Services](#). Students may make requests for alternative media by contacting DSPS at 707-476- 4280.

Academic Support: Academic support is available at [Counseling and Advising](#) and includes academic advising and educational planning, [Academic Support Center](#) for tutoring and proctored tests, and [Extended Opportunity Programs & Services](#), for eligible students, with advising, assistance, tutoring, and more.

Academic Honesty: In the academic community, the high value placed on truth implies a corresponding intolerance of scholastic dishonesty. In cases involving academic dishonesty, determination of the grade and of the student's status in the course is left primarily to the discretion of the faculty member. In such cases, where the instructor determines that a student has demonstrated academic dishonesty, the student may receive a failing grade for the assignment and/or exam and may be reported to the Chief Student Services Officer or designee. The Student Code of Conduct (AP 5500) is available on the College of the Redwoods website at: <http://www.redwoods.edu/board/Board-Policies/Chapter-5-Student-Services>. Additional information about the rights and responsibilities of students, Board policies, and administrative procedures is located in the college catalog and on the College of the Redwoods website.

Disruptive Classroom: Behavior Student behavior or speech that disrupts the instructional setting will not be tolerated. Disruptive conduct may include, but is not limited to: unwarranted interruptions; failure to adhere to instructor's directions; vulgar or obscene language; slurs or other forms of intimidation; and physically or verbally abusive behavior. In such cases where the instructor determines that a student has disrupted the educational process a disruptive student may be temporarily removed from class. In addition, he or she may be reported to the Chief Student Services Officer or designee. The Student Code of Conduct (AP 5500) is available on the College of the Redwoods website at: <http://www.redwoods.edu/board/Board-Policies/Chapter-5-Student-Services> Additional information about the rights and responsibilities of students, Board policies, and administrative procedures is located in the college catalog and on the College of the Redwoods website.

Emergency Procedures for the Eureka campus: Please review the campus evacuation sites, including the closest site to this classroom (posted by the exit of each room). The Eureka **campus emergency map** is available at: <http://www.redwoods.edu/aboutcr/EurekaMap>. For more information on Public Safety, go to <http://www.redwoods.edu/publicsafety>. In an emergency that requires an evacuation of the building:

- Be aware of all marked exits from your area and building.
- Once outside, move to the nearest evacuation point outside your building:
- Keep streets and walkways clear for emergency vehicles and personnel.
- Do not leave campus, unless it has been deemed safe by the Incident Commander or campus authorities. (CR's lower parking lot and Tompkins Hill Rd are within the Tsunami Zone.)

RAVE: College of the Redwoods has implemented an emergency alert system. In the event of an emergency on campus you can receive an alert through your personal email and/or phones at your home, office, and cell. Registration is necessary in order to receive emergency alerts. Please go to <https://www.GetRave.com/login/Redwoods> and use the "Register" button on the top right portion of the registration page to create an account. During the registration process you can elect to add additional information, such as office phone, home phone, cell phone, and personal email. Please use your CR email address as your primary Registration Email. Your CR email address ends with "redwoods.edu." Please contact Public Safety at 707-476-4112 or security@redwoods.edu if you have any questions.

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DT-71 Homework & Project Schedule

Jan. 18	Course Orientation, Syllabus review, Lab Account #'s, Autodesk Community, Revit Screen Introduction.
Jan. 23	H.W.: CH-1: 7-12 Introduction to Lakeside Cabin Project HANDOUT: Assignment #1
Jan. 25	H.W.: CH-6: 6, 7, 10, 14, 17, 44, 45, Problem 6-3 DUE: Assignment #1
Jan. 30	HANDOUT: Architect's Biography
Feb. 1	H.W.: CH-9: 1, 3-8, 10, 12-16
Feb. 6	H.W.: CH-22: 2, 5-8, 12, 15, 19 / CH-23 (no questions)
Feb. 8	H.W.: CH-10: 2, 5, 7, 8, 10, 11, 13-15 HANDOUT: Assignment #2
Feb. 13	H.W.: CH-11: (no questions) DUE: Assignment #2 HANDOUT: Assignment #3
Feb. 15	DUE: Assignment #3
Feb. 20	NO CLASS – PRESIDENT'S DAY
Feb. 22	H.W.: CH-13: 1, 2, 5, 13-16, 20 / CH-14 (no questions) DUE: Lakeside Cabin Project
Feb. 27	H.W.: CH-18: 2, 3, 6, 14, 15, 18 Introduction to Habitat House Project
Mar. 1	H.W.: CH-16: 5, 8, 11-15, 18, 21, 22 / CH-17 (no questions)
Mar. 6	Revit Review & Lab Workday
Mar. 8	MIDTERM
Mar. 13-17	Spring Break
Mar. 20	H.W.: CH-14: (no questions)
Mar. 22	H.W.: CH-15: 2, 3, 6, 7, 12, 21 DUE: Habitat House Site Plan
Mar. 27	H.W.: CH-19: 1, 2, 4-8, 10-13, 15
Mar. 29	Lab Workday
Apr. 3	Lab Workday
Apr. 5	H.W.: CH-24: 1, 2, 3, 4, 8 / CH-25: 3, 6, 8, 9
Apr. 10	DUE: Habitat House Elevations & Electrical Plan
Apr. 12	H.W.: CH-36: 1-3, 5-8, 10
Apr. 17	H.W.: CH-32 (no questions)
Apr. 19	Lab Workday
Apr. 24	Lab Workday
Apr. 26	Lab Workday
May 1	DUE: Habitat House Project
May 3	Revit Review & Questions DUE: Architect's Biography
May 8	FINAL – 10:45am