

**Syllabus for** [name of class here] – Eureka Campus

<b>Semester &amp; Year</b>	Spring 2018	
<b>Course ID and Section #</b>	DT-71 E3694	
<b>Instructor's Name</b>	Catherine Ory	
<b>Day/Time</b>	M&W 10:05-12:35	
<b>Location</b>	AT-105	
<b>Number of Credits/Units</b>	3	
<b>Contact Information</b>	<i>Office location</i>	AT-105
	<i>Office hours</i>	M&W 9:30-10:00am
	<i>Phone number</i>	
	<i>Email address</i>	Cat-ory@redwoods.edu
<b>Textbook Information</b>	<i>Title &amp; Edition</i>	Architectural Drafting & Design 7 <sup>th</sup> Edition
	<i>Author</i>	A. Jefferis, D. Madsen
	<i>ISBN</i>	978-128565738
<b>Course Description</b>		
A study of architectural drafting that emphasizes the creation of building information models (BIM). Students will develop proficiency in the application of architectural CAD software to develop residential architectural plans.		
<b>Student Learning Outcomes</b>		
<ol style="list-style-type: none"> <li>1. Demonstrate knowledge of architecture and architectural drafting techniques.</li> <li>2. Use CAD software to create 3D building information models (BIM) with consideration for common building practices, applicable codes, and CAD standards.</li> <li>3. Research, document and present various aspects of architecture.</li> </ol>		
<b>Special Accommodations</b>		
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 <a href="#">Disabled Students Programs and Services</a> . Students may make requests for alternative media by contacting DSPS at 707-476-4280.		
<b>Academic Support</b>		
Academic support is available at <a href="#">Counseling and Advising</a> and includes academic advising and educational planning, <a href="#">Academic Support Center</a> for tutoring and proctored tests, and <a href="#">Extended Opportunity Programs &amp; Services</a> , for eligible students, with advising, assistance, tutoring, and more.		
<b>Academic Honesty</b>		
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: <a href="http://www.redwoods.edu/board/Board-Policies/Chapter-5-Student-Services">http://www.redwoods.edu/board/Board-Policies/Chapter-5-Student-Services</a> , and scroll to AP 5500. Additional information about the rights and responsibilities of		

**Syllabus for** [name of class here] – Eureka Campus

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> and scroll to AP 5500.

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/Eureka-Map>; choose the evacuation map option). 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](mailto:security@redwoods.edu) if you have any questions.

*College of the Redwoods is committed to equal opportunity in employment, admission to the college, and in the conduct of all of its programs and activities.*

## College of the Redwoods

### Drafting Technology Department Course Syllabus: DT-71

#### Architectural Drafting Fundamentals

Instructor .....Catherine “Cat” Ory

Semester .....Spring, 2018

Course number .....E3694

Units .....3

Meeting times .....Monday & Wednesday 10:05-12:35

Classroom.....AT 105

Office hours .....Monday & Wednesday 9:30-10:00am (or by appointment)

Office .....AT 105

E-mail .....cat-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. – 7<sup>th</sup> Edition (2017). 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 (Optional - for notes and tutorials) and a U.S.B. storage device to store 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](http://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 **Friday, May 4, 2018.**

**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.

#### **Grades are based on the following:**

60%	Project
10%	Textbook Questions & Research Paper/Presentation
10%	Midterm
10%	Final
10%	Participation

#### **Grading Criteria:**

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

## **Project (60%)**

### House Project

- Throughout the semester, students will work on drafting a house project.

## **Textbook Questions & Assignments (10%)**

- **Textbook Questions:** 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.
- **Research Paper & Presentation:** Each student will give a presentation on a specific type of architecture style of home and turn in a corresponding research paper.

\*Late work, for any reason, is penalized 10% and will not be accepted more than 2 class meetings after it is due.

## **Midterm (10%)**

The midterm will take place on **Wednesday, March 7<sup>th</sup> at the regular class meeting time.**

## **Final (10%)**

The final exam will take place on **Wednesday, May 9<sup>th</sup> at 10:45am.**

## **Participation (10%)**

Per the Course Requirements noted above, each student is required to attend class and participate throughout the entire scheduled time. Students are expected to arrive on time and be prepared to engage in all lectures and lab time. Points will be deducted if a student arrives late to class, leaves early, or is not participating in class related activities.

\*Per CR policy, students with 4 absences prior to March 30<sup>th</sup> 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.
  - Attendance/Participation
- 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:** 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](mailto:security@redwoods.edu) if you have any questions.

## College of the Redwoods

### DT-71 Homework & Project Schedule

Jan. 17	Introductions, Course Orientation, Lab Account #'s, Syllabus review
Jan. 22	Introduction to Revit, Creating a Revit Template
Jan. 24	Site Orientation DUE: CH-13: 1, 2, 5, 13, 14, 15, 16, 20 & CH-14: 1, 2, 4-7, 18-21, 23, 24, 26
Jan. 29	Walls & Dimensioning DUE: CH-16: 4, 5, 8, 10-16, 21-23
Jan. 31	Adding Doors & Windows, Tags
Feb. 5	California Building Codes & Regulations DUE: CH-9: 1, 3-10, 13-16
Feb. 7	Rooms & Schedules DUE: CH-10: 1-11, 13, 14
Feb. 12	Creating Roofs in Revit DUE: CH-22: 1, 2, 5-7, 10, 12-15
Feb. 14	Printing to PDF & Paper DUE: Progress Plans: Site Plan, Floor Plans, Schedules & Legends
Feb. 19	NO CLASS – PRESIDENT’S DAY
Feb. 21	DUE: Roof Plans
Feb. 26	Creating Elevations in Revit
Feb. 28	DUE: PRESENTATION & RESEARCH PAPER – HOUSE STYLES
Mar. 5	Print Plans DUE: Progress Plans: Entire set to date
Mar. 7	<b>MIDTERM</b>
Mar. 12-16	SPRING BREAK
Mar. 19	Creating Stairs DUE: CH-39: 1-7, 9, 10
Mar. 21	Creating a Cover Sheet, Camera Views, Notes
Mar. 26	Lab Workday
Mar. 28	Creating Sections DUE: CH-37: 1, 3, 4, 5
Apr. 2	Lab Workday
Apr. 4	Lab Workday DUE: Sections
Apr. 9	Creating Reflected Ceiling Plans DUE: CH-19: 1, 2, 5, 6, 8, 10-13, 15
Apr. 11	Lab Workday
Apr. 16	Lab Workday
Apr. 18	Lab Workday DUE: Electrical Plans/Reflected Ceiling Plans
Apr. 23	Lab Workday – Details?
Apr. 25	Lab Workday – Framing Plans?
Apr. 30	Lab Workday
May 2	<b>DUE: HOUSE PROJECT – ENTIRE SET</b>
May 9	<b>FINAL – 10:45am</b>