

Course Information

Semester & Year: Fall 2021
Course ID & Section #: CT 80 V2321
Instructor's name: Glavich
Course units: 3

Instructor Contact Information

Office: AT 104
Office hours: By appointment
Email address: derek-glavich@redwoods.edu

Catalog Description

A study of residential construction methods and materials. This class parallels progress on the student-build project house. Topics will include building layout, foundations, floor, wall, and roof framing, wall and roof sheathing.

Course Student Learning Outcomes

1. Define terms used in residential construction.
2. Apply mathematical processes (measuring, computing, applying trigonometry) used in residential construction.
3. Interpret construction documents.

Prerequisites/Co-Requisites/ Recommended Preparation

Math 10 recommended prep or co-requisite.

Required Materials

Textbook: *The Complete Visual Guide to Building a House* by John Carroll and Chuck Lockhart. ISBN: 978-1-60085-022-6

Accessibility

College of the Redwoods is committed to making reasonable accommodations for qualified students with disabilities. If you have a disability or believe you might benefit from disability-related services and accommodations, please contact your instructor or [Disability Services and Programs for Students](#) (DSPS). Students may make requests for alternative media by contacting DSPS based on their campus location:

- Eureka: 707-476-4280, student services building, 1st floor
- Del Norte: 707-465-2324, main building near library
- Klamath-Trinity: 530-625-4821 Ext 103

If you are taking online classes DSPS will email approved accommodations for distance education classes to your instructor. In the case of face-to-face instruction, please present your written accommodation request to your instructor at least one week before the needed accommodation so that necessary arrangements can be made. Last minute arrangements or post-test adjustments usually cannot be accommodated.

Evaluation & Grading Policy

Grades **will be earned** as follows:

4 quizzes – 50 points each	200 points possible
5 Construction Questions – 5 points each	25 points possible
9 Homework assignments – 5 points each	45 points possible
14 Discussions – 5 points each	70 points possible
Construction Research Paper	20 points possible
Midterm – 100 points	100 points possible
Final – 100 points	<u>100 points possible</u>
TOTAL	560 points possible

Late assignments/quizzes will receive a maximum 50% of point value

Final grades will be determined according to the following breakdown:

- A 90 – 100 %
- B 80 – 89 %
- C 70 – 79 %
- D 60 – 69 %
- F 59% or less

Course Calendar

Week 1 8/21-8/28:

Introduction to The Construction Technology Program. Do Math Review and Homework #1 on Canvas. **Lecture:** Construction Technology Program. **Lecture:** Building Materials and Terminology. Discussion #1.

Week 2 8/29-9/4:

Do Homework #2: Building Plans and Codes on Canvas. Do Tape Measure Quiz on Canvas. **Lecture:** Building Plans and Codes. Construction Question #1. Discussion #2.

Week 3 9/5-9/11:

Read Ch. 1 pp 6-33: Building Foundations. Do Homework #3: Building Layout on Canvas. **Lecture:** Building Layout. Discussion #3. **Quiz #1.**

Week 4 9/12-9/18:

Read Ch.1 pp. 34-49: Building Foundation Walls. Do Homework #4: Concrete Form Construction on Canvas. **Lecture:** Concrete Form Construction. Discussion #4.

Week 5 9/19-9/25:

Turn in Construction Question #2 on Canvas. **Lecture:** Pre-Pour. **Lecture:** Concrete. Discussion #5. **Quiz #2.**

Week 6 9/26-10/2:
Read Ch.2 pp. 50-70: Framing Floors. Do Homework #5: Floor Framing on Canvas. Lecture: Floor Framing. Discussion #6.
Week 7 10/3-10/9:
Floor Framing video. Turn in Construction Question #3 on Canvas. Lecture: Floor Framing (cont.) Discussion #7. Midterm.
Week 8 10/10-10/16:
Read Ch.2 pp. 71-97: Framing Walls. Do Homework #6: Wall Framing on Canvas. Lecture: Wall Framing. Discussion #8.
Week 9 10/17-10/23:
Lecture: Wall Framing (cont.) Discussion #9.
Week 10 10/24-10/30:
Lecture: Wall Framing (Cont.) Wall Framing video. Discussion #10. Quiz #3
Week 11 10/31-11/6:
Read Ch. 4 pp.142-181: Framing Roofs 2: Trusses, Eaves, Rakes, and Sheathing. Do Homework #7: Trusses and Roof Sheathing on Canvas. Turn in Construction Question #4 on Canvas. Lecture: Trusses and Roof Sheathing. Discussion #11.
Week 12 11/7-11/13:
Read Ch. 3 pp 98-141: Framing Roofs 1: Raftered Roofs. Do Homework #8: Raftered Roofs on Canvas. Lecture: Roof Framing. Discussion #12.
Week 13 11/14-11/20:
Lecture: Roof Framing. Roof Framing Video. Construction Research Paper due 11/21. Discussion #13.
Week 14 11/21-11/27:
No Class. Thanksgiving Break.
Week 15 11/28-12/4:
Read Ch. 5 pp.184-230: Do Homework #9: Roofing on Canvas. Turn in Construction Question #5 on Canvas. Lecture: Roofing. Discussion #14.
Week 16 12/5-12/10:
Final Review – Open Forum.
Finals Week 12/11-12/17:
Final Exam.

Admissions Deadlines & Enrollment Policies

Fall 2021 Dates

- *Classes begin: 8/21/21*
- *Last day to add a class: 8/27/21*
- *Last day to drop without a W and receive a refund: 9/03/21*
- *Labor Day Holiday (all campuses closed): 09/06/21*
- *Census date: 9/07/21 or 20% into class duration*
- *Last day to petition to graduate or apply for certificate: 10/28/21*
- *Last day for student-initiated W (no refund): 10/29/21*
- *Last day for faculty-initiated W (no refund): 10/29/21*
- *Veteran's Day (all campuses closed): 11/11/21*
- *Fall Break (no classes): 11/22/21 – 11/26/21*
- *Thanksgiving Holiday (all campuses closed): 11/24/21 – 11/26/21*
- *Final examinations: 12/11/21 – 12/17/21*
- *Last day to petition to file P/NP option: 12/17/21*
- *Semester ends: 12/17/21*
- *Grades available for transcript release: approximately 01/07/22*

Students who have experienced extenuating circumstances can complete & submit the **Excused Withdrawal Petition** to request an Excused Withdrawal (EW) grade instead of the current Withdrawal (W) or non-passing (D, F & NP) grades. The EW Petition is available from the Admissions and Records Forms Webpage. Supporting documentation is required.

Academic Dishonesty

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. 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 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, the student 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. 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](#).

Inclusive Language in the Classroom

College of the Redwoods aspires to create a learning environment in which all people feel comfortable in contributing their perspectives to classroom discussions. It therefore encourages instructors and students to use language that is inclusive and respectful.

Setting Your Preferred Name in Canvas

Students have the ability to have an alternate first name and pronouns to appear in Canvas. Contact [Admissions & Records](#) to request a change to your preferred first name and pronoun. Your Preferred Name will only be listed in Canvas. It does not change your legal name in our records. See the [Student Information Update form](#).

Canvas Information

This class will be entirely run through Canvas. You will submit assignments and access materials through Canvas. To access Canvas for the first time go to <https://redwoods.instructure.com> the password is your 8 digit birth date. When you first access the Canvas page you will find a video showing you how to navigate Canvas. Feel free to email me with any questions you might have, but I may send you to IT for tech help. The email address is its@redwoods.edu or call 707-476-4160. You can also access Canvas Help for students: <https://www.redwoods.edu/online/Help-Student> or visit the Canvas online orientation workshop: <https://www.redwoods.edu/online/Home/Student-Resources/Canvas-Resources>

Community College Student Health and Wellness

Resources, tools, and trainings regarding health, mental health, wellness, basic needs and more designed for California community college students, faculty and staff are available on the California Community Colleges [Health & Wellness website](#).

[Wellness Central](#) is a free online health and wellness resource that is available 24/7 in your space at your pace.

Students seeking to request a counseling appointment for academic advising or general counseling can email counseling@redwoods.edu.

Emergency procedures / Everbridge

College of the Redwoods has implemented an emergency alert system called Everbridge. In the event of an emergency on campus you will receive an alert through your personal email and/or phones. Registration is not necessary in order to receive emergency alerts. Check to make sure your contact information is up-to-date by logging into WebAdvisor <https://webadvisor.redwoods.edu> and selecting 'Students' then 'Academic Profile' then 'Current Information Update.'

Please contact Public Safety at 707-476-4112 or security@redwoods.edu if you have any questions. For more information see the [Redwoods Public Safety Page](#).

In an emergency that requires an evacuation of the building anywhere in the District:

- 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 campus authorities.

Del Norte Campus Emergency Procedures

Please review the [Crescent City campus emergency map](#) for campus evacuation sites, including the closest site to this classroom (posted by the exit of each room). For more information see the [Redwoods Public Safety Page](#).

Eureka Campus Emergency Procedures

Please review the [campus emergency map](#) for evacuation sites, including the closest site to this classroom (posted by the exit of each room). For more information on Public Safety go to the [Redwoods Public Safety Page](#) It is the

responsibility of College of the Redwoods to protect life and property from the effects of emergency situations within its own jurisdiction.

In the event of an emergency:

1. Evaluate the impact the emergency has on your activity/operation and take appropriate action.
2. Dial 911, to notify local agency support such as law enforcement or fire services.
3. Notify Public Safety 707-476-4111 and inform them of the situation, with as much relevant information as possible.
4. Public Safety shall relay threat information, warnings, and alerts through the Everbridge emergency alert system, Public address system, and when possible, updates on the college website, to ensure the school community is notified.
5. Follow established procedures for the specific emergency as outlined in the College of the Redwoods Emergency Procedure Booklet, (evacuation to a safe zone, shelter in place, lockdown, assist others if possible, cooperate with First Responders, etc.).
6. If safe to do so, notify key administrators, departments, and personnel.
7. Do not leave campus, unless it is necessary to preserve life and/or has been deemed safe by the person in command.

Klamath Trinity Campus Emergency Procedures

Please review the responsibilities of, and procedures used by, the College of the Redwoods, Klamath-Trinity Instructional Site (KTIS) to communicate to faculty, staff, students and the general public during an emergency. It is the responsibility of College of the Redwoods, Klamath-Trinity Instructional Site (KTIS) to protect life and property from the effects of emergency situations within its own jurisdiction.

1. In the event of an emergency, communication shall be the responsibility of the district employees on scene.
 - a. Dial 911, to notify local agency support such as law enforcement or fire services.
 - b. If safe to do so, notify key administrators, departments, and personnel.
 - c. If safe to do so, personnel shall relay threat information, warnings, to ensure the school community is notified.
 - d. Contact Jolene Gates 530-625-4821 to notify of situation.
 - e. Contact Hoopa Tribal Education Administration office 530-625-4413
 - f. Notify Public Safety 707-476-4111.
2. In the event of an emergency, the responsible district employee on scene will:
 - a. Follow established procedures for the specific emergency as outlined in the College of the Redwoods Emergency Procedure Booklet.
 - b. Lock all doors and turn off lights if in lockdown due to an active shooter or similar emergency.
 - c. Close all window curtains.
 - d. Get all inside to safe location Kitchen area is best internal location.
 - e. If a police officer or higher official arrives, they will assume command.
 - f. Wait until notice of all is clear before unlocking doors.
 - g. If safe to do so, move to the nearest evacuation point outside building (Pooky's Park), directly behind the Hoopa Tribal Education Building.
 - h. Do not leave site, unless it has been deemed safe by the person in command. Student Support Services (required for online classes)

Student Support Services

The following online resources are available to support your success as a student:

- [CR-Online](#) (Comprehensive information for online students)
- [Library Articles & Databases](#)
- [Canvas help and tutorials](#)

- [Online Student Handbook](#)

[Counseling](#) offers assistance to students in need of professional counseling services such as crisis counseling.

Learning Resource Center includes the following resources for students

- [Academic Support Center](#) for instructional support, tutoring, learning resources, and proctored exams. Includes the Math Lab & Drop-in Writing Center
- [Library Services](#) to promote information literacy and provide organized information resources.
- [Multicultural & Diversity Center](#)

Special programs are also available for eligible students include

- [Extended Opportunity Programs & Services \(EOPS\)](#) provides financial assistance, support and encouragement for eligible income disadvantaged students at all CR locations.
- The TRiO Student Success Program provides eligible students with a variety of services including trips to 4-year universities, career assessments, and peer mentoring. Students can apply for the program in [Eureka](#) or in [Del Norte](#)
- The [Veteran's Resource Center](#) supports and facilitates academic success for Active Duty Military, Veterans and Dependents attending CR through relational advising, mentorship, transitional assistance, and coordination of military and Veteran-specific resources.
- Klamath-Trinity students can contact the CR KT Office for specific information about student support services at 530-625-4821

Instructor Disclaimer

In the event of extenuating circumstances, the instructor reserves the right to alter or change the policies, procedures, or statements listed in this document and holds complete rights to make these changes as deemed appropriate.