

Spring 2026

College of the Redwoods



Course Information

Semester & Year: Spring 2026

Course ID & Section #number: CT-78B E9941

Instructor's name: Robert Satava

Day/Time of required meetings: Th 5:30pm-9:45pm

Location: AT105

Number of proctored exams: 0

Course units: 2



Instructor Contact Information

Office location or Online: N/A

Office hours: N/A

Phone number: N/A

Email address: robert-satava@redwoods.edu



Required Material

House Wiring, 5th edition, by Greg Fletcher, ISBN: 978-1337402415



Catalog Description

A continuation of the electrical theory, principles and skills learned in CT-78A. Topics include service calculations, installation of residential wiring circuits and fixtures, use of conduit in wiring, remodel wiring, estimation and line drop calculations and completion of the wiring of the student project house.



Course Student Learning Outcomes

- Calculate the size of a main service panel.
- Install main service, electrical rough-in and finish installations for a single family residence.
- Draw a cable layout and wiring diagram for a branch circuit.



Course Calendar

Week 1 Jan. 22	First day of class introduction and lecture
Week 2 Jan. 29	Begin rough-in at project house
Week 3 Jan. 25	Continue rough-in at project house Complete site report on Canvas
Week 4 Feb. 12	Continue rough-in at project house Complete site report on Canvas



Week 5 Feb. 19	Presidents Day No Class
Week 6 Feb. 26	Continue rough-in at project house Complete site report on Canvas
Week 7 Mar. 5	Continue rough-in at project house Complete site report on Canvas
Week 8 Mar. 12	Finish rough-in at project house Complete site report on Canvas
Mar. 19	Spring Break No class
Week 9 Mar. 26	Begin finish/trim-out at project house Complete site report on Canvas
Week 10 Apr. 2	Continue finish/trim-out at project house Complete site report on Canvas
Week 11 Apr. 9	Continue finish/trim-out at project house Complete site report on Canvas
Week 12	Continue finish/trim-out at project house



Apr. 16	Complete site report on Canvas
Week 13 Apr. 23	Continue finish/trim-out at project house Complete site report on Canvas
Week 14 Apr. 30	Continue finish/trim-out at project house Complete site report on Canvas
Week 15 May 7	Continue finish/trim-out at project house Complete site report on Canvas
May 14	Final Day



Evaluation & Grading Policy

Student Contribution

Students are expected to spend time reading assigned material, answering chapter review questions, and studying for tests as necessary outside of normal class time. Attendance is critical in this course. Lectures may contain material not included in the textbook and students will be responsible for this material. The student will be expected to participate in all lectures, preferably as “interactive aides”, but minimally as “active listeners”. Each student is responsible for all material presented in this course regardless of class attendance. Students will be expected to adhere to the College of the Redwoods Student Code of Conduct and Discipline at all times.

Course Participation Policy

Every occupation participation is critical and this course is no different. Everyone has a task and something to contribute, we all depend on each other in order to realize our goals. In order to fully participate, students must be present and actively engaged in whatever the current task is. Punctuality is an important part of participation. If someone is late for work, it not only reflects poorly on their character, it puts the entire process behind schedule.

**Attendance is required: 10 points for each class attended (0 points if class is missed, 5 points if you



are late or leave early)**

Assignments/Exams

Assignments and exams are to be completed as assigned. Assignments and exams are posted in Canvas with a description of how to complete the assignments and when it is due. If there are questions about the requirements for any assignment or exam, it is the student's responsibility to seek clarification from the instructor. There will be no substitutions for assigned course work, as a general rule.

Late and/or Missing Work

By default, all late and missing work is the responsibility of the student and should be completed as assigned. The instructor assumes no obligation to offer make-up work or any type of alternative arrangement for late and/or missing assignments.

Missed Assignments/Exams

Some assignments and exams can only be completed if students are in class. If a student must miss a class, for any reason, their ability to make up the missed assignment is up to the discretion of the instructor. If a student must miss an exam, it is their responsibility to notify the instructor PRIOR to the scheduled exam. A student's ability to make up a missed exam is mostly dependent on how much notice the instructor is given. The process for makeup exams entails students making an appointment with the Testing Center at the Academic Support Center in the Learning Resource Building on campus. The exam must be made up prior to the post exam review that follows the original exam date. Typically, an exam is scheduled on a certain day and the following week the exam is returned to students and a post exam review is held in class. Therefore, typically, a makeup exam must be completed either before, or within a week of, the original exam date.

Safety

Workplace safety is of the highest priority in any industry. As we are learning, and in a sense training, to be electricians it is of the utmost importance that we discuss and practice workplace safety in everything we do. Some students may have taken courses designed for this while others have not. Therefore, while we are at the project house all students will conduct themselves in a safe and professional manner. Any lack of attention or regard for the safety of oneself or others can and will be handled by dismissal from the jobsite. We will cover many safe practices, but it is also the responsibility of the student to ask about proper safety practices before attempting any task that may be deemed "unsafe" without prior training. This includes, but is not limited to: climbing ladders, using power tools and working on or around live circuitry. **No student is authorized to energize any circuits without first receiving approval from the instructor. No student will ever be permitted to work on a circuit that is energized without first de-energizing the circuit.**

Drug and Alcohol Policy

Being under the influence of drugs or alcohol during class is unacceptable and is a violation of the student code of conduct. Any student suspected of being under the influence of drugs or alcohol will be asked to leave. Further action may include referral to the Chief Student Services Officer and/or removal from the program.



CT 78B Course Evaluation

Grades will be earned as follows:

Attendance - 10 points each/15 classes, 150 points possible

Chapter Quizzes/worksheets - 10 points each, (TBD) points possible

Late Homework submissions will be discounted 25%

Final - TBD

TOTAL – (TBD) points possible

A 90-100%

B 80-89%

C 70-79%

D 60-69%

F 59% and below



Prerequisites / Co-requisites / Recommended Preparation

CT-78A Residential Wiring I




Educational Accessibility & Support

College of the Redwoods is committed to providing reasonable accommodations for qualified students who could benefit from additional educational support and services. You may qualify if you have a physical, mental, sensory, or intellectual condition which causes you to struggle academically, including but not limited to:

- Mental health conditions such as depression, anxiety, PTSD, or bipolar disorder
- Common ailments such as arthritis, asthma, diabetes, autoimmune disorders and diseases
- Temporary impairments such as a broken bone, recovery from significant surgery, or a pregnancy-related disability
- Neurodevelopmental disorders such as a learning disability, intellectual disability, autism, acquired brain injury, or ADHD
- Vision, hearing, or mobility conditions

Available services include extended test time, quiet testing environments, academic assistance and tutoring through the [LIGHT Center](https://www.redwoods.edu/services/sass/light.php), counseling



and advising, alternate formats of course materials (e.g. audio books or E-texts), assistive technology, learning disability assessments, approval for personal attendants, interpreters, priority registration, on-campus transportation, adaptive physical education and living skills courses, and more. If you believe you might benefit from disability- or health-related services and accommodations, please contact [Student Accessibility Support Services \(SASS\)](https://www.redwoods.edu/services/sass/index.php)  (<https://www.redwoods.edu/services/sass/index.php>).

If you are unsure whether you qualify, please contact SASS for a consultation: SASS@redwoods.edu (<mailto:SASS@redwoods.edu>).

SASS office locations and phone numbers

Eureka campus

- Phone: 707-476-4280,
- Locations: Student Services building, first floor SS113

Del Norte campus

- Phone: 707-465-2353
- Location: Main building, near the Library

Klamath-Trinity campus

- 707-476-4280



Academic Integrity

In the academic community, the high value placed on truth implies a corresponding intolerance of scholastic dishonesty. In cases involving academic integrity, 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 a lack of academic integrity, 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 2024-2025 College Catalog and CR Board and Administrative Policies.



AI Use Class Policy

Recent advancements in generative artificial intelligence (AI) have made large language models such as ChatGPT and Google's Bard widely available. However, overuse of these tools in this class can undermine your learning and curtail the development of your critical and creative thinking skills. In



addition, AI outputs are often unreliable and frequently subject to bias. For these reasons, the policy of this class is that AI cannot be used at any point in the completion of class assignments, including discussion posts. Any or all of your assignment submissions and discussion posts may be screened by AI detection software, but the real penalty for AI misuse is that you will miss out on an opportunity to learn.



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. Additional information about the rights and responsibilities of students, Board policies, and administrative procedures is located in the [2024-2025 College Catalog](https://redwoods.elumenapp.com/catalog/2024-2025/home) and [CR Board and Administrative Policies](https://go.boarddocs.com/ca/redwoods/Board.nsf/Public?open&id=policies).

Spring 2026 Important Dates

- 01/30 – Last day to drop students without a W grade *and* receive a refund (business day before census day)
- 02/01 – Last day to drop students without a W grade (no refund; calendar day before census day)
- 02/01 – Last day to add students to your classes (day before census day)
- 02/02 – Census Day (20% of class)
- 02/09 – Census rosters due
- 04/03 – Last day to drop students with a W (62.5% of class)

