Syllabus for WT54-E3130 General Gas, Braze (emphasis) Welding and Soldering

Course Information

Semester & Year: Spring 2022
Course ID & Section #: WT54-E3130 General Gas, Braze (emphasis) Welding and Soldering
Instructor's name: Jerry Goodrow
Day/Time of required meetings: Monday Lecture - 8:30am to 9:35am, Lab - 9:40am to 12:55pm
Location: Lecture:AT127, Lab: AT142
Course units:2

Instructor Contact Information

Office location AT142A, or *Online: (Zoom meetings can be arranged).
Office hours: By appointment
Phone number: 707-476-4595 (campus office), 707-599-5512 (cell)
Email address: jerry-goodrow@redwoods.edu

The best way to contact the instructor is by cell phone and/or email. Although regularly checked, please expect that either of these methods may not be checked daily, and response may be over a day or more…especially during school breaks and holidays. Additional contact may be our Division Secretary Augusta Solem 707-476-4341, Augusta-Solem@Redwoods.edu; our Division Dean is Mike Haley.

Catalog Description

An introduction to and practice in oxyacetylene (OAW), braze weld (OABW), solder (AAW), SMAW and repair welding theory, equipment, and processes. Students will produce, analyze and test welds to accepted industry standards. No prior experience in welding is needed. Includes coordinated lab experience.

Students provide their own required safety gear and equipment (a requirements list and discussion is given at the first class meeting/ also, check page 3 student expenses). OSHA approved safety glasses required by second class meeting.

Course Student Learning Outcomes *(from course outline of record)*

1. Safely weld mild steel with OABW and OAW processes, and solder copper pipe.
2. Explain the gas welding processes.

All new students to the welding program will attend the required safety instruction and successfully complete a safety exam. The first two class meetings discuss general welding safety and the proper use of equipment specific to the College of the Redwoods welding facility. Once the student has successfully completed and signed the exam, it is filed and kept on record. The student only does this once in any one class of the welding program. Returning students are exempt.

Prerequisites/co-requisites/ recommended preparation

No prerequisites or co-requisites.

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.

Information for this class, Evaluation & Grading Policy

Students can obtain a free Office 365 license (includes Word, Excel, PowerPoint and more) with a valid CR email.

Class size - Maximum number of students per class is 20

Grading Standard – Grade only, NOT a pass/no pass.

Course Requirements--Six welds from weld grade sheet, midterm and final exam. The welds should be: two OAW, three OABW, and one AAW (or solder). The student is expected to *read the assigned chapters before coming to class*. Although not a requirement*, it is highly recommended* that the student take notes during the lectures which may be used when taking the exams. So, bring paper and pencils into the lectures, discussions, and films.

Course Outline-- OAW welding 30%, OABW welding 50%, and AAW 20%

Course Calendar –The course calendar handed out in the first class session shows weekly progress and assignments. It is also posted on a clipboard on the dry erase board. Please do not remove the public calendar from the blackboard.

Student Expenses--The student must provide a basic tool set (handout sheet given by the instructor) and pay the class materials fee ($49.00) required at registration. Basic tools include personal protective equipment (PPE), such as safety glasses, leather gloves, ear plugs, welding goggles, and fire-resistant clothing, and spark lighter, soapstone, pliers.

Textbook--Welding Principles and Practices 5E by Edward R. Bohnart/ publisher McGraw Hill ISBN# 978-0-07-337386-7. Note: This book is available in our bookstore, or may be ordered online. If you need assistance in ordering a text, ask the instructor. There are many sources such as Amazon.com, AdAll, or type the book title into a browser for other sources.

Methods to Measure Student Achievement-- Exams and quizzes will be multiple choice/ true or false/

fill-ins....or a combination of these. A Scantron answer card and #2 pencils are required. Student will maintain their individual weld sheet (provided by instructor). It is recommended that the student leave their weld sheet in the classroom and on the appropriate clipboard which is marked by course. It is the students' responsibility to approach the instructor with welds to be graded.

A rubric is currently in place to assess the required welds which typically deducts 5% for each weld flaw where a "perfect" industry standard weld would rate 100%. The five percent may be subject to decrease or increase depending on the severity of the flaw. Such flaws may be undercut, porosity, inclusion, excessive reinforcement, under-fill, cold lap, brittle, uneven weld.

The grade related to number as follows: A+ (100), A (95), A- (90), B+ (87.5), B (85), B- (80)...and so on.

A second method of assessment is also used when testing American Welding Society-AWS certification of welders. A mechanical bend test is done on these welds and qualifying or passing is subject to the AWS parameters and accepted flaws.

Method of Evaluation-- Attendance is looked upon as if you were showing up for a job and may qualify the grade that you receive, Active participation is expected, and one of the most important things that you can do to succeed in this course is to attend every class meeting. If an employer calls for reference, your attendance may be reported. If you miss five classes, the instructor may drop you.

Midterm exam = 16%, Final exam = 16%, Manipulative = 66%-- Missed work may be made up upon discretion and arrangement of the instructor. Extra credit can be earned by work such as extra welds, written papers, projects, and will increase a grade dependent on the amount, quality, and level of work. If extra welds are done, the highest six scores are averaged for grade and the remaining are considered extra credit. Any welds recorded are not able to be used in future welding classes with the idea to increase welding technique and skill. **Final exam will be held on May 09, 2022 at 8:30am**…If you have a conflict or need special testing needs, arrangements can be made with the instructor.

Grade scale: 100-90 = A, 89-80 = B, 79-70 =C, 69-60 = D, 59-0 = F

Withdrawal--The responsibility is solely upon the student to be within college calendar dates. See the attached admissions deadlines and enrollment policies. Please notify and discuss withdrawing with the instructor prior to dropping the course. Again, if you miss five classes, the instructor may drop you.

Parking Passes are available online at MyCampusPermit.com

Turn off cell phones or put on silent in the classroom…Please.

Canvas— an interactive website that allows you to download information needed for this class. Students have an account on Canvas that will allow them to access all class information. For online class help, log in to Canvas, click on **Help** in the upper tight hand corner, then click on "report a problem".

Final Grades are available for student viewing on their **Canvas** and/or **WebAdvisor** account.

Caveat--The above schedule and procedures are subject to change in the event of extenuating circumstances and "the instructor" reserves the right to make changes.

Student Support

Good information and clear communication about your needs will help you be successful. Please let your instructor know about any specific challenges or technology limitations that might affect your participation in class. College of the Redwoods wants every student to be successful.

Admissions deadlines & enrollment policies

Spring 2022 Dates

- *Classes begin: 01/15/22*
- *Last day to add a class: 01/21/22*
- *Martin Luther King, Jr's Birthday (all campuses closed: 01/17/22*
- *Last day to drop without a W and receive a refund: 01/28/22*
- *Census date (or 20% into class duration): 01/31/22*
- *Last Day to file P/NP (only courses where this is an option) 02/11/22*
- *Lincoln's Birthday (all campuses closed): 02/18/22*
- *Presidents Day (all campuses closed): 02/21/22*
- *Last day to petition to graduate or apply for certificate: 03/03/22*
- *Spring Break (no classes): 03/14/22-03/19/22*
- *Last day for student-initiated W (no refund): 04/01/22*
- *Last day for faculty-initiated W (no refund): 04/01/22*
- *Final examinations: 05/07/22-05/13/22*
- *Semester ends: 05/13/22*
- *Grades available for transcript release: approximately 05/30/22*

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. This does not change your legal name in our records. See the Student Information Update form.

Canvas Information

If using Canvas, include navigation instructions, tech support information, what Canvas is used for, and your expectation for how regularly students should check Canvas for your class.
Log into Canvas at https://redwoods.instructure.com
Password is your 8 digit birth date
For tech help, email its@redwoods.edu or call 707-476-4160
Canvas Help for students: https://webapps.redwoods.edu/tutorial/
Canvas online orientation workshop: Canvas Student Orientation Course (instructure.com)

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 emergencies 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 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 services to eligible income disadvantaged students including: textbook award, career academic and personal counseling, school supplies, transportation assistance, tutoring, laptop, calculator and textbook loans, priority registration, graduation cap and gown, workshops, and more!
- 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