

Honorary	Department Coordinator
Instructor	Jay C. Anders
E-Mail	Jay.anders@clarendoncollege.edu
Phone	806.665.8801
Office Hours	Generally, one hour before evening class, one hour after morning class, or call for appointment.
Catalog Year	2018-2019
Disability Statement	Any student who, because of a disabling condition, may require some special arrangements in order to meet course requirements should contact Instructor or student Advisor.
Course Title	Advanced Oxyfuel Cutting and Welding
Course Name and Number	WLDG- 2439
Course Section	231
Semester	
Prerequisites	
Course Description	Instruction and practice of equipment inspection, maintenance, repair and set up for manual and mechanized oxyfuel gas cutting (OFC). Instruction and practice in production cuts on carbon steel using manual and mechanical oxyfuel systems. Instruction and practice soldering and brazing carbon steel, stainless steel and copper using oxyfuel equipment. Practice and production of assembly cuts to be examined and tested according to Section 8 AWS SENSE QC10.
Department Expectations	
Hours	(3 sem hrs; 2 lec, 3 lab)
Class Type	On Campus Course
Textbooks	<p><u>HANDYMAN~IN~YOUR~POCKET</u> Young/Glover Published by Sequoia ISBN 1-885071-29-9</p> <p><u>OXYACETYLENE WELDING, CUTTING AND BRAZING</u> Hobart Institute of Welding Technology Item #EW-369 FCAW</p>
Supplies	List as furnished by instructor.

**Student
Performance**

Thermal Cutting I

1. Perform safety inspections of manual oxyfuel gas cutting (OFC) equipment and accessories.
2. Make minor external repairs to manual OFC equipment and accessories.
3. Set up for manual OFC operations on carbon steel.
4. Operate manual OFC equipment on carbon steel.
5. Perform straight, square edge cutting operations in the flat position on carbon steel.
6. Perform shape, square edge cutting operations in the flat position on carbon steel.
7. Perform straight, bevel edge cutting operations in the flat position on carbon steel.
8. Perform scarfing and gouging operations to remove base and weld metal, in flat and horizontal positions on carbon steel.
9. Perform safety inspections of mechanized (OFC) equipment and accessories.
10. Make minor external repairs to mechanized OFC equipment and accessories.
11. Set up for mechanized OFC operations on carbon steel.
12. Operate mechanized OFC equipment on carbon steel.
13. Perform straight, square edge cutting operations in the flat position on carbon steel.
14. Perform straight, bevel edge cutting operations in the flat position on carbon steel.

Perform soldering and brazing on various metals.

Instruction and practice of equipment inspection, maintenance, repair, and set up for manual and mechanized oxyfuel gas cutting (OFC). Instruction and practice in production cuts on carbon steel using manual and mechanical oxyfuel systems. Instruction and practice soldering and brazing carbon steel, stainless steel, and copper using oxyfuel equipment. Practice and production of assembly cuts to be examined and tested according to Section 8 AWS SENSE QC10.

Students
Rights and
Responsibilities

Student Rights and Responsibilities

Student Rights and Responsibilities are listed on the College website at:

<http://www.clarendoncollege.edu/Resources/Student%20Services/StudentRightsResponsibilities>

The role of Clarendon College is to encourage individuals of all ages to develop their talents based on their abilities and interests, so that collectively they may contribute to the development of this democracy. College policies, procedures, and regulations are formulated to provide an appropriate teaching and learning environment where each student has the freedom to learn where the constitutional rights of others are protected.

The concept of rights and freedom, no matter how basic or widely accepted, carries with it corresponding responsibilities. Students, as well as other members of the college community, have the same constitutional and civil rights guaranteed all citizens; at the same time, they are subject to the same responsibilities. As members of the nation, the State of Texas, and the local community. All members of the college community have a strong responsibility to protect and maintain an academic climate in which the freedom to learn is enjoyed by all. To this end, certain basic regulations and policies have been developed to govern the behavior of students as members of the college community.

Violations of student conduct regulations will be handled through the Office of the Director of Student Services. Violations of federal, state, and/or local laws make a student subject to criminal action in addition to disciplinary action by the College. Each student is responsible for knowing the policies and regulations of the College.

Freedom of Expression

The rights of free speech and peaceable assembly are fundamental to the democratic process. The College supports the rights of students of the college community to express their views on actions or ideas, to associate freely with others, and to assemble peacefully.

Whether expressing themselves as individuals or in organized groups, members of the college community are expected to conduct themselves responsibly, according to law, and to respect the educational goals of the College. Accordingly, the College insists that free expression not infringe on the rights of others. Disruption of the educational process and functions of the College, or violation of the policies and regulations of the College, would constitute such a violation.

Students wishing to assemble must complete an official request with the Vice-President of Student Services. The institution reserves the right to determine the time and location of student assembly in order to ensure that the educational process is not disrupted. The use of amplified equipment is prohibited in student assembly and speech. The institution will not tolerate hate speech, or "...the lewd and obscene, the profane, the libelous, and the insulting or 'fighting' words – those which by their very utterance inflict injury or tend to incite an immediate breach of the peace." (Chaplinsky v. State of New Hampshire, 315 U.S. 568, 1942)

Freedom of Access

Within the limits of its resources, Clarendon College shall be open to all applicants who are qualified according to current admission requirements. Clarendon College does not discriminate on the basis of race, creed, color, national origin, mental or physical disabilities, age, or sex in any of its practices, or procedures. This includes, but is not limited to, admissions, employment, financial aid, educational services, programs, and activities.

Freedom of Association

Students are free to associate to promote their common interests. They have the right to join through official procedures, and establish organizations of their choosing so long as such organizations do not conflict with the educational purposes of the College. Students have the right to affiliate with any recognized campus organizations of their choice, within the requirements of those organizations and to membership.

Academic Rights of Students

The College has the responsibility of providing a program of quality education in keeping with its financial resources; students have protection through campus-designed procedures against

<p>Log in using the CC student Portal</p>	
<p>Expected Student Behavior</p>	<p><u>Notebook & Class Equipment</u> Students are required to take notes during lectures and should maintain a class notebook. Notebook should contain handouts, reference material, formula sheets, test, assignments, and task list. Student shall furnish a scientific calculator and personal protective equipment to include safety glasses. Student shall have their own personal hand tools similar to those on the department service tool list. Student shall furnish necessary computer media for information transfer. Student shall furnish required text and Handyman Pocket Handbook.</p> <p><u>Shop Policy</u> Read safety handouts provided, use common sense, maintain safe shop practices, keep <u>your</u> Lab clean, and orderly. Keep all safety shields/guards, and equipment in place at all times. Notify your Instructor of faulty wiring/equipment, worn or damaged tools, or missing parts. No horseplay is allowed whatsoever. Academic disciplinary measures will be promptly administered to offending person(s). Please help the Instructor to maintain order so that he can be free to use <u>your</u> time for more effective teaching, and less time housekeeping. We all can enjoy the benefits of an effective and conducive learning environment. Remember to use your safety glasses when entering the shop area. Always perform proper Lock-out / Tag-out.</p> <p><u>Tools, Equipment, and Clothing</u> Students shall wear appropriate clothing to perform any work task assigned. Tools and equipment specified for this class and any preliminary class in the curriculum are to be furnished by the student. Failure to dress for work or bring needed equipment may count as an absence. All tools should be properly used and cared for, thus allowing for longevity and safety of both the user and the tool.</p> <p>Stealing, vandalism, or pilferage will be dealt with severely!! No drugs, tobacco, drinks, or food allowed!</p> <p>DISABILITY STATEMENT "Any student who, because of a disabling condition, may require some special arrangements in order to meet course requirements should contact your Instructor or your Counsler.</p>
<p>Grading Criteria</p>	<p><u>Course Evaluations:</u> Students should complete all performance tasks on time at REQUIRED MASTERY LEVEL. Tasks, projects, and various assignments will be scored based on time; accuracy; neatness; completeness; procedure; skill; detail; motivation and attitude; safety practices; clean up; care of manuals, logbooks, and references; and other grading criteria. No task score shall be recorded until assignment is complete. <u>Complete</u> shall include condition and cleanliness of equipment; clean up of work areas; tool condition and return; all projects, supplies and materials being stored properly. Failure to bring books, notes, notebook, and equipment for a given class will result in a loss of grade for that class period. Unless the instructor specifies otherwise, all homework is due at the beginning of the next class.</p>

	<p><u>Final (Overall) Grade Policy:</u> The final overall grade will be computed using the following relevant components:</p>			
	Attendance/Participation	40%	>89%	A
	Lab, projects, notebooks, homework	30%	80-89%	B
	Exams	20%	70-79%	C
	Final Exam	10% min	<70%	F
	<p>Students are responsible for getting notes from other students when absent. Lab activities will continue on schedule. There will not be special lab sessions or classes. Missing lab activities may prevent individuals from performing advanced lab exercises for safety and expense reasons.</p>			
Attendance	<p>Attendance and participation in class and lab is regarded as a requirement and an obligation for learning practice oriented disciplines. Students are responsible for participating in an attendance record management system as designated by the instructor. Attendance / participation grade points may also reflect homework; class preparation; punctuality; housekeeping; proper dress; and required equipment, supplies, and text.</p>			
Calendar				
Additional Information				

Campus Carry

The 84th Session of the Texas Legislature passed two bills which relate to guns on the premises of college campuses:

Effective January 1, 2016, House Bill 910 (commonly referred to as the “Open Carry” bill) allows a Texas Concealed Handgun License holder to openly carry a holstered handgun, except on the campus of a higher education institution. The law remains unchanged that a firearm may be stored or transported in a locked privately owned or leased motor vehicle by a person who holds a license to carry.

Effective August 1, 2016, for four year Universities and Colleges, and August 1, 2017 for Junior Colleges Senate Bill 11 (commonly referred to as the “Campus Carry” bill) allows a license holder to carry a concealed handgun while on the campus of an institution of higher education. This bill provides that, after consulting with students, staff, and faculty regarding the nature of the population and safety considerations, the Chief Executive Officer of the institution of higher education shall establish reasonable rules, regulations, and provisions regarding carrying on the campus. The established rules and regulations may not generally prohibit license holders from carrying concealed handguns on campus. Information regarding the portions of the campus where license holders may not carry, referred to as Gun Free Zones, can be found within the Concealed Campus Carry Regulations.

It continues to be an offense if the license holder carries a partially or wholly visible handgun and intentionally/knowingly displays the handgun in plain view to another person on the premises of the campus to include driveways, streets, sidewalks, parking lot, parking garage, or parking area of the institution of higher learning.

Anyone with questions or concerns regarding the Campus Carry Policy can contact the President's Office at 806-874-4808