

Instructor and Class Information

Office Location:	WLD 102	Class Days:	M-Th
Office Phone:	(501) 760-4334	Class Time:	9:00 – 12:15
Email:	jpole@np.edu	Class Location:	WLD 102
Office Hours:	By Appointment	Class Format:	Web-Enhanced,

Course Description

Course Description:

In this course, students will cover shop safety, tool and equipment identification and learn basic welding techniques in shielded arc metal welding, including cutting with oxyfuel equipment, electrode classification and testing welds using destructive and non-destructive methods. The lab portion of the course will provide opportunities for students to apply knowledge from theory based classes to practical exercises. This course covers the National Center for Construction Education and Research (NCCER) curriculum for Welding Level One.

Curriculum for this course is based on the National Center for Construction Education and Research (NCCER) accredited welding guidelines.

Rationale for Course:

The purpose of this course is to give students knowledge of the theory and application of basic oxyacetylene welding and cutting, Shielded Metal Arc Welding (SMAW), and plasma arc cutting.

The course is designed for any student wishing to gain knowledge of welding. It is assumed that you are comfortable using email and can navigate Blackboard.

Prerequisites: None

Co-requisites: None

Next Course in Sequence: WLD 1238 and WLD 1248

Required and Recommended Materials

Required Textbook:

Title of Textbook: NPC Welding
Publisher: Pearson

Additional Required Materials:

- Pencil/pen, notebook
- Required tools/supplies
- Safety Glasses
- Welding Jacket
- Welding Gloves
- Cutting Goggles (Shade 4 or 5)
- Wire Brush
- Soapstone w/holder
- Torch Tip Cleaner
- Flint Striker
- Chipping Hammer
- Welding Helmet Shade 10 or Electronic Quick Change (EQC) Helmet;
- Welper style welding cutter/pliers
- Other items as required (i.e.) Steel toed Boots, Welders Cap or Skull Cap and Ear Plugs or Ear Muffs .
- 25' Tape measure with fractional display

Recommended Materials:

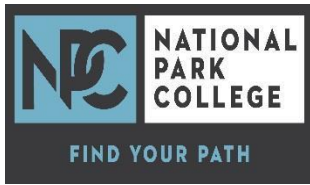
No additional material are needed.

Learning Objectives

General Education Goals and Objectives:

Upon successful completion of any degree at National Park College, the student will

1. Communicate effectively
 - 1.1. demonstrate a proficiency in the English language.
 - 1.2. utilize appropriate communication technology.
 - 1.3. present ideas and information orally and in writing in accordance with academic standards.
2. Reason scientifically and quantitatively
 - 2.1. demonstrate knowledge of mathematical and scientific principles.
 - 2.2. apply these principles to solve problems.
 - 2.3. interpret information presented in graphic form.
 - 2.4. apply scientific methods to the inquiry process.
3. Think critically
 - 3.1. read, understand, analyze complex ideas .
 - 3.2. locate, evaluate, and apply research information.
 - 3.3. draw inferences from facts.
 - 3.4. evaluate and present well-reasoned arguments.
4. Develop a global perspective
 - 4.1. recognize commonalities and differences among cultures.
 - 4.2. examine the significance of diversity in social interaction.
 - 4.3. interpret events and values within a given context.



The goals/objectives were adapted using the Capital Community College General Education Goals and Objectives.

Division Objectives:

Varies depending on major.

Discipline Specific Objectives:

Varies depending on major

Course Learning Objectives:

Students who successfully complete the course will be able to:

- Observe and comply with all shop safety procedures and environmental regulations.
- Recognize and safely use hand and power tools.
- Know proper material handling techniques.
- Demonstrate proper SMAW welding techniques in all positions.

Course Activities

To accommodate different learning styles, I will employ a variety of teaching methods in this course. Instructional methods may include lecture, demonstration, video, in-class discussion, and welding lab practice.

Interactive Activities (Discussions, Group Work, etc.)

You will be given the opportunity to interact with one another in a variety of ways. These will include such methods as in-class discussions and other methods as appropriate. It is very important students take advantage of the interactive activities provided.

Self-check, Practice, Reflection

There will be a variety of opportunities for welding practice and discussion of technique provided throughout the semester.

Assessments (Exams, Projects, Papers, etc.)

Your grade this semester will come from a variety of activities as shown in the table at the right. A brief description of each is provided here:

- **Assignments:** Problems and textbook problems will be assigned to provide additional practice on the concepts. These assignments may be collected and graded to provide feedback.

- Quizzes: Announced or unannounced quizzes may be given. Makeup quizzes are at the discretion of the Instructor.
- Examinations: There will be an examination worth 100 points each at the end of each module. Any score below 70 percent is considered as failed. Students will be required to take the exams in class or in a proctored environment. Alternative testing sites are acceptable but **MUST BE APPROVED BY THE INSTRUCTOR PRIOR TO THE EXAM.**
- Final Exam: There will be a final comprehensive assessment of the course material worth approximately 100 to 200 points.
- Lab requirements: Lab work will consist of NCCER performance evaluations. These will be given a score of pass or fail only.

Grading Policy

At the end of the course, the overall numerical grade will be converted from a numerical scale to the following letter grade scale as indicated in the Grading Scale.

Final Grade	%
A	90 – 100%
B	80 – 89%
C	70 – 79%
D	60 – 69%
F	Below 60%

Evaluating Student Work

Grading varies depending on the type of assignment.

Late and Make-up Work

Late work will be accepted with prior arrangements and approval by the instructor.

Extra Credit

Extra credit may be earned in this course on the work ethic score.

Feedback

I will typically respond within:

- 24 hours, Monday-Friday, to messages or emails.
- 48 hours, Monday-Friday, with grades and feedback for graded work that is submitted on time.



Course Policies

Student Responsibility

Students are responsible for reading the textbook material and completing homework assignments on time. Points will be deducted for work that is turned in late!

Attendance policy

The College assumes that regular class attendance is essential to its academic operations. Students not attending regularly scheduled classes are considered absent. Faculty members have the responsibility to deal with absences, to decide makeup work required, if any, and to drop students for absences that exceed the instructor's policy. Students are personally responsible for the academic consequences of a poor attendance record.

Students may be administratively dropped if they fail to do ALL of the following:

- 1) Attend at least 85% of class meetings to date. There are no unexcused absences. Students are allowed SIX (6) absences. The Seventh will result in being dropped from the class. Any student late more than three times will accrue one (1) absence per occurrence. Anyone leaving early, without permission, will be assessed one (1) absence per occurrence. Leaving early, with permission, will be assessed one (1) tardy.
- 2) Make satisfactory academic progress

Cell Phone Policy/Classroom Etiquette

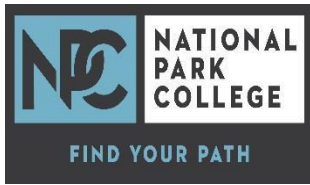
- The use of pagers and cellular phones is prohibited during class time and site visits. Cell phones are to be kept in your assigned locker. Violation of this will result in zero points for the day. The instructor must approve exceptions to this policy in advance. Follow all campus rules, policies, and expectations outlined in the NPCC Student Handbook/Calendar.
- Students are expected to behave as adults, be attentive & participate in a positive manner in this class.
- Demonstrate respect and regard for the ideas of others.
- No horseplay
- Fighting will not be tolerated, and will result in the dismissal of all involved
- Racial slurs will not be tolerated, and could lead to dismissal
- LGBT slurs will not be tolerated, and could lead to dismissal
- Sexual harassment, male on male, female on female, male on female, female on male will not be tolerated, and could lead to dismissal.

Laboratory Policy

At all times, students are expected to comply with all Shop Rules. Clothing should be worn that is appropriate for welding trades. No short pants or open toed shoes are allowed in the laboratory.

Any student not wearing PPE in the lab will receive a failing grade for the day. No Exceptions.

Shop clean up is mandatory. Failure to clean your immediate, and assigned area will result in a grade of zero (0) points for the day. NO EXCEPTIONS



Make-up Policy

Make-ups on regular exams will be given at the instructor's discretion. It is the student's responsibility to work this out with the instructor. If an exam date is missed, the student must provide a written request for makeup work. Any supporting documentation may be attached. Any missed projects; quizzes, discussion board postings, papers, and any other class assignments may be made-up only at the discretion of the instructor.

Academic Integrity

Students are responsible for familiarizing themselves with the College policies on academic integrity. Any instance of academic dishonesty, especially cheating or plagiarism, will be dealt with harshly and may result in failure on the exam or assignment, failure in the course, or dismissal from the College.

NPC Policies

Attendance Policy: The National Park College attendance policy may be found at <http://catalog.np.edu/content.php?navoid=496&catoid=4>

Academic Honesty Policy: The Academic Honesty Policy was most recently updated on ??/??/???. The policy may be found at <http://catalog.np.edu/content.php?navoid=553&catoid=4>

Blackboard Policy: Blackboard is the official learning management system (LMS) for the college. All students are expected to complete the Blackboard Student Training prior to the first day of class during your first semester here.

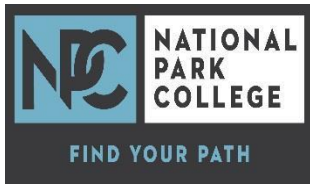
Other Policies

Privacy Policy: Links to the privacy policies for all external tools used in the course are provided in Blackboard. You can find the various privacy policies by clicking on Student Policies, Resources, and Procedures link in the navigation pane in each of your courses.

Accessibility Statement: Links to the accessibility statements all technologies required in the course are provided in Blackboard. You can find the various privacy policies by clicking on Student Policies, Resources, and Procedures link in the navigation pane in each of your courses.

Netiquette Policy: The netiquette policy for this course is located in your Blackboard course. You can find the Netiquette policies by clicking on the Netiquette Link in the navigation pane in each of your courses.

Flexibility Clause: The aforementioned requirements, assignments, policies, evaluation procedures, etc., are subject to change. Learners experiences and needs, as well as emerging knowledge, will be considered in modifying this course syllabus.



Student Resources

ADA Statement: National Park College's ADA statement may be located at <http://catalog.np.edu/content.php?navoid=557&catoid=4>. Students with disabilities should visit our website at <https://np.edu/students-services/disability-services/> for more information.

Academic Success Center: The Academic success center provides tutoring and other resources to help students succeed. Visit our webpage at <http://www.np.edu/students-services/tutoring/>

Computer Resource Center: The Computer Resources Center provides computing resources for students. Visit our webpage at <http://www.np.edu/computer-services/>

NPC Library: The NPC Library provides a wide variety of services to students. Visit the website at <http://www1.youseemore.com/npc/>

Technical Support: Information relating to specific technical support needs and requirements can be found in Blackboard. Click on the Technical Requirement and Support link in the Navigation pane within your course.

Testing Center: The testing center provides test support for students and faculty. To learn more about the testing center visit our webpage at <https://np.edu/students-services/testing-center/>

Course Evaluations

Students will be asked to evaluate their instructor and course near the end of the semester. These student evaluations are very important to the improvement in the quality of instruction and course materials. All results are anonymous and shared with the faculty only after the semester is over and grades have been posted.

Course Schedule

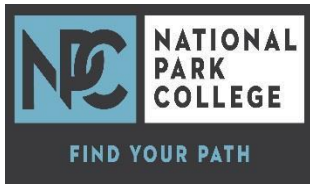
Because of the individual advancement nature of this course, the schedule will vary from student to student.

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DOL Attribute

This course is part of a program at National Park College that is (wholly or partially) funded by a DOL TAACCCT grant, awarded to the SouthWest Arkansas Community College Consortium in 2013.



Legal Disclaimer

The schedule, policies, and assignments in this course are subject to change in the event of extenuating circumstances or by mutual agreement between the instructor and the students. The instructor will always inform the students of any changes in a timely manner.