



## Special topics class-Plasma Table WLDG 1391

Course Syllabus: Spring 2017

“Northeast Texas Community College exists to provide responsible, exemplary learning opportunities.”

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Office Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Online
	2:30-5:00	2:30-5:00	2:30-5:00	2:30-5:00	2:30-5:00	

The information contained in this syllabus is subject to change without notice. Students are expected to be aware of any additional course policies presented by the instructor during the course.

**Course Description for WLDG 1391:** Three credit hours. A study of CNC Plasma table operation. Emphasis placed on terminology, graphic description, and operating processes, including systems of measurement and industry standards. Interpretation of plans and drawings used by industry. 2 hours lecture and 4 hours lab each week. Students enrolled in his course must have a set of hand tools that they may furnish. Additional course fee: 2x (4’x8’ 16G sheet metal) \$\_\_\_\_\_

### Required Supplies

Access to a computer outside of classroom with capability to run our current software we use to operate the table in order to complete homework.

4-8 GB jump drive

Basic PPE including Steel toe boots

**Recommended Reading(s):** None

**End-of-Course Outcomes:** Define terms and abbreviations; and identify and explain object views, lines, and dimensions. Demonstrate the proper use of measuring devices; read and interpret prints, calculate dimensions and material, troubleshoot typical program errors, correct plasma settings, X, Y, Z coordinates, operate drafting program, plotting program, as well cutting software.

**Exemplary Educational Objectives:** N/A

### SCANS Skills:

#### Course Objectives

Upon successful completion of this course, the student will be able to:

Objectives for this course are listed in the handout that covers Competencies/tasks.

**Lectures & Discussions:**

Task Code	Task Description
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Demonstrate how to maneuver thru the programs required to operate machine
Troubleshoot typical program errors
Calculate dimensions and material
Understand X,Y,Z coordinates
Demonstrate identify and explain lines, and dimensions
Demonstrate proper start up procedures for plasma table
Demonstrate correct plasma settings

**Evaluation and Grading**

The grades you will receive for this class will be based upon these areas:

**Assignments:**

**Review Questions: At the end of the assigned units by your instructor**

1. Quizzes and assignments	30%
A minimum of 3 tests covering class lectures, assigned readings, films,	
2. Handouts and competencies/task shop work.	30%
3. <b>Sketching a detailed part and cutting it on Plasma Table</b>	
<b>As a FINAL TEST</b>	<b><u>40%</u></b>
<b>TOTAL</b>	<b>100%</b>

**SLEEPING IN CLASS WILL RESULT IN A ZERO FOR THE DAY!**

**Other Course Requirements:****General Classroom and Lab Policies**

The Mechanical Power Technology program, like most other vocational programs, has policies that must be followed. These policies will give you, the student, a better opportunity to learn the mechanical power trade. *The general classroom and lab policies are in the Mechanical Power Technology Shop Safety Manual.* The instructor may have additional policies for their class.

**General Safety Policies**

Anyone with extremely long hair must have some way to keep it up (hair net, hat). There will be no open-toe shoes worn in the shop (sandals, flip flops). Each student will be required to have a pair of safety glasses to be at all times. *The general safety policies are in the Mechanical Power Technology Shop Safety Manual.* The instructor may have additional safety policies for their class.

**Student Responsibilities/Expectations:**

It is important to present a professional image in the work place. Therefore, students are required to wear 100% cotton long sleeve shirts. They may be purchased in the bookstore or you can purchase in town. If

your employer furnishes uniform shirts, they may be worn in place of the school shirt. These shirts should be clean and neat at all times. You must have an approved uniform Welding Clothing by the second week of class. If you do not, you will not allowed to start any hands-on welding in the lab and 10 points will be deducted from your professionalism grade each class period proper welding clothing is not worn. **Shorts and sandals are not allowed. Professional appearance is part of your grade**

#### **NTCC Academic Honesty Statement:**

"Students are expected to complete course work in an honest manner, using their intellects and resources designated as allowable by the course instructor. Students are responsible for addressing questions about allowable resources with the course instructor. NTCC upholds the highest standards of academic integrity. This course will follow the NTCC Academic Honesty policy stated in the Student Handbook."

### **Conduct of Course**

#### **Attendance Policy**

Regular and punctual attendance at all scheduled classes is expected. Attendance is necessary for successful completion of course work. If you are absent, you are responsible for initiating procedures for make-up work. All course work missed, regardless of cause, is to be completed to the satisfaction of the instructor. Every time the student comes late to class will be adding deduction points into his final grade. *More than three absences are considered excessive!* **It is up to you to initiate a course drop in the Office of Admissions and Records.** (At the discretion of the instructor, a student with nor more than two absences and with an "A" average will be exempt from the final exam.)

#### **Academic Ethics**

The college expects all students to engage in academic pursuits in a manner that is beyond reproach. Students are expected to maintain complete honesty and integrity in their academic pursuit. Academic dishonesty such as cheating, plagiarism, and collusion is unacceptable and may result in disciplinary action. Refer to the student handbook for more information on this subject.

#### **ADA Statement:**

It is the policy of NTCC to provide reasonable accommodations for qualified individuals who are students with disabilities. This College will adhere to all applicable federal, state, and local laws, regulations, and guidelines with respect to providing reasonable accommodations as required to afford equal educational opportunity. It is the student's responsibility to arrange an appointment with a College counselor to obtain a Request for Accommodations form. For more information, please refer to the NTCC Catalog or Student Handbook.

#### **Family Educational Rights And Privacy Act (Ferpa):**

The Family Educational Rights and Privacy Act (FERPA) is a federal law that protects the privacy of student education records. The law applies to all schools that receive funds under an applicable program of the U.S. Department of Education. FERPA gives parents certain rights with respect to their children's educational records. These rights transfer to the student when he or she attends a school beyond the high school level. Students to whom the rights have transferred are considered "eligible students." In essence, a parent has no legal right to obtain information concerning the child's college records without the written consent of the student. In compliance with FERPA, information classified as "directory information" may be released to the general public without the written consent of the student unless the student makes a request in writing. Directory information is defined as: the student's name, permanent address and/or local address, telephone listing, dates of attendance, most recent previous education institution attended, other information including major, field of study, degrees, awards received, and participation in officially recognized activities/sports.

**Other Course Policies:**

**Class recognition certificates may be distributed at the end of the course. The awarding of such certificate is at the sole discretion of the instructor**

**LOCKERS AND TOOLS BOXES AT THE END OF EACH SEMESTER**

**Each student has to clean up his/her own locker, take all personal items out the locker box and return ALL WELDING TOOLS. IF ANY WELDING TOOL IS MISSING, HE/SHE WILL NOT RECEIVE A FINAL GRADE UNTILL ALL THEM ARE RETURNED BACK AS THEY WERE ISSUED AT THE BEGINNING OF THE SEMESTER.**

I HAVE READ THE SYLLABUS FOR THIS COURSE AND UNDERSTAND WHAT IS REQUIRED TO PASS. I UNDERSTAND THE EVALUATION AND GRADING POLICIES IN THIS COURSE.

I WILL FOLLOW ALL SAFETY AND CLASSROOM POLICIES BOTH WRITTEN AND VERBAL.

ALL QUESTIONS I HAD WERE ANSWERED BY THE INSTRUCTOR TO MY SATISFACTION.

COURSE WLDG 1391.

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Student Signature

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Date