



Course Syllabus

Course #: WET 2600 Course Name: Inspection

Division: Engineering and Industrial Technologies

Class Days:	Class Time:
Location: Classroom:	Laboratory:
Credit Hours:	Contact Hours:
	Lab Hours:
	Lecture Hours:

Instructor: _____	Office Location:
Phone: _____	Email Address: _____

Office Hours: TBD

Division Office/Location: Engineering Building Division Fax: 419-334-2300

Full-time Contact Person: Jayne Bowersox Phone(s): (419) 559-2410

Course Description:

An overview of the functions and responsibilities of the welding Inspector, including the study of the applicable welding codes. The requirements for the american welding society certified Welding inspector examination are reviewed.

Prerequisite(s): None

Corequisite(s): None

Entry Level Skills and Knowledge:

Required Texts, Supplies and Equipment:

American welding society - "certification manual for welding inspectors", third edition.

Grading:

- = A
- = B
- = C
- = D
- Below = F

Learning Outcomes:

General Education

1. **Communicate effectively**
2. **Evaluate arguments in a logical fashion**—Competence in analysis and logical argument are explicit learning goals for most general education programs, although these skills go by a variety of names (e.g., critical thinking, analysis, logical thinking, etc.). **Students will be able to demonstrate competence in problem solving in communication, mathematics, and in team settings.**
3. **Employ the methods of inquiry characteristic of natural sciences, social sciences, mathematics, and the arts and humanities;** general education introduces students to methods of inquiry in several fields of study and thereby prepares students to integrate information from different disciplines.

Assessment of Student Learning:

Assessment Project and Measurement in course (if any):

Plan of Work:

1	introduction
2 chapter 1	the welding inspector
3 chapter 2	inspector responsibilities
4 chapter 3	codes, standards & specifications
5	quiz #1, over chapters 1, 2 & 3
6 chapter 4	welding terms
7 chapter 5	welding symbols
8 chapter 6	metallurgy & weldability
9	quiz #2, over chapters 4, 5 & 6
10 chapter 7	destructive testing
11 chapter 8	welding procedure & welder qualification
12 chapter 9	welding brazing & cutting operations
13	quiz #3, over chapters 7, 8 & 9
14 chapter 10	weld & base metal discontinuities
15 chapter 11	nondestructive examination
16 chapter 12	inspection reports

- 17 **quiz #4, over chapters 10, 11, 12**
- 18 **api code summary**
- 19 **asme code summary**
- 20 **ansi b31.1 summary**
- 21 **aws d1.1 summary**
- 22 **quiz #5, open code book**

Course Requirements:

Complete all assignments as required

- QUIZ #1 - 100 POINTS**
- #2 - 100 POINTS**
- #3 - 100 POINTS**
- #4 - 100 POINTS**
- #5 - 100 POINTS**

CUMULATIVE POINTS ACCURED

GRADE

460 - 500+	A
420 - 459	B
380 - 419	C
340 - 379	D
= TO OR < 339	F

NOTE: IT IS THE STUDENT'S RESPONSIBILITY TO MAKE ARRANGEMENTS WITH THE INSTRUCTOR FOR THE MAKE-UP OF WORK OR TESTS MISSED DUE TO ABSENCE FOR ANY REASON.

Policies

Course Withdrawing: If for any reason you need to withdraw from this course, be certain that you do so according to College procedure. It is your responsibility to know and follow this procedure. If you simply stop coming to class, without officially withdrawing from the course, your grade is an automatic "F." Please follow official College procedure for withdrawing from this or any course.

College Academic Policies are located in the College Catalog. A copy of the current catalog may be picked up in any of the division offices or admissions. The list of college policies is also available online at <https://www.terra.edu/register/Collegecat/policies.asp>.

Support Services: The College offers a number of support services to assist in your success in this course and all courses. Among these services are the Writing & Math Center in B105, the Office of

Learning Support Services, which coordinates the campus disability services and tutoring programs, the computer labs, and the computers in the atriums.

Any student who feels he/she may need an accommodation based on the documentation of a disability should contact the Office of Learning Support Services privately to discuss his/her specific issues. Please contact the OLSS at (419) 334-8400 X 208 or visit 100 Roy Klay Hall (Building A) to coordinate reasonable accommodations.

If you have a documented disability and are receiving academic accommodations through the Office of Learning Support Services, please schedule a meeting with your instructor in a timely manner so that we may discuss how these services will be arranged.

Tutoring services are available to students beginning the second week of every quarter. Students requesting tutoring services should obtain a tutor request form from the OLSS in 100 Roy Klay Hall (Building A) or online at the Terra website. Please note that instructor verification and acceptance of the Student Learner Agreement is necessary for all tutoring requests. All requests should be submitted to 100 Roy Klay Hall (Building A).