

Intro./Non-Destructive Testing

NDT - 1110 101

Course Description

An introduction to the five major non-destructive testing methods, certification requirements, inspectors responsibilities, visual testing and the use and operation of gauges.

Course Student Learning Outcomes

- Approach practical problems by choosing and applying appropriate mathematical techniques.
- Use and interpret information represented as data, graphs, tables, and schematics in a variety of disciplines.
- Apply mathematical theory, concepts and methods of inquiry appropriate to program specific problems.
- Demonstrate effective problem solving.
- Apply scientific methods to the inquiry process.

Course Prerequisites

None

Transfer/Certification/Licensure/Employment Information

Not applicable

Engagement Plan

Example language:

- I will respond to email within [24 hours]. I will offer feedback on major assignments within [24 hours]. The best way to contact me is via the Canvas Inbox, as I will prioritize this email over other modes of communication.
- In this course I will be posting interactive announcements which will offer specific opportunities for class questions and extra credit every other week.
- Additionally, I will be participating in the discussion forums with you to share my perspective within the discipline and to offer some nuances of interpretation that may not be present in your textbook.
- Lastly, we'll be holding small group Q & A sessions, where we can learn from our peers (and faculty) on some of the more difficult units within the course.

Keys for Success (how to succeed in the course)

Attend class, complete worksheets and practice quizzes.

Course Content Advisory

Not Applicable

Required Text or Materials

Title: Manufacturing Processes (Online)

For more information on textbook accessibility, contact Accessibility & Disability Services at ads@slcc.edu.

Brief Description of Assignments/Exams

Students will be responsible for the reading requirements and the material presented in class. It is expected that students will attend class and participate in class activities and discussions. Some assignments will be conducted and completed in class. In order to

receive credit for these assignments, students must attend the corresponding class. No audio or visual recording shall take place during class.

It is the responsibility of the student to retain all reports, lab assignments and record until the end of the semester, attend class on time, complete homework and lab assignments in a legible process, study as needed and put your name on all papers as required by industry standards.

Assignment Schedule

Due Date	Assignment Name	Assignment Type	Points
	Eddy Current Wrk	Assignment	4
	Infrared Wrk	Assignment	23
	Introduce Yourself	Discussion	0
	Liquid Penetrant Quiz	Assignment	10
	Liquid Penetrant Wrk	Assignment	4
	Magnetic Particle Quiz	Assignment	10
	Magnetic Particle Wrk	Assignment	4
	Module 1 Quiz	Assignment	16
	Roll Call Attendance	Assignment	100
	RT- Quiz	Assignment	14
	UT- Quiz	Assignment	10
	UT- Wrk	Assignment	4
	VT Module 3 Wrk 1-13	Assignment	13
	VT Module 2 p 1-13	Assignment	4

Due Date	Assignment Name	Assignment Type	Points
	VT Module 2 p 14-18	Assignment	4
	VT Module 2 p 19-27	Assignment	4
	VT Worksheet Module 1	Assignment	4
9/11/25	Ch 1 Inherent	Quiz	14
9/15/25	Ch 2 Casting Tech	Quiz	24
9/18/25	Ch 3 Processing	Quiz	14

Grading Scale

A = 93-100 %

B- = 80-82%

D+ = 67-69%

A- = 90-92 %

C+ = 77-79%

D = 63-66%

B+ = 87-89 %

C = 73-76%

D- = 60-62%

B = 83-86 %

C- = 70-72%

E = 0-59%

Academic Integrity

Code of Student Rights and Responsibilities | SLCC can be reviewed at:

www.slcc.edu/policies/policies/student_affairs/8.1.050.aspx

How to Navigate to Canvas

Institutional Policies

As members of our academic community, we would like to invite you to review the Institutional Syllabus which covers important policies and procedures. This document contains important links for students on the code of student rights and responsibilities, academic integrity, and grading policies, Title IX and other important acknowledgements. By familiarizing yourself with this information, you can help us create a safe and respectful environment for everyone.

For more information, navigate to the Institutional Policies tab on the [Institutional Syllabus](#) page.

Learning Support and Tutoring Services

We are pleased to offer a range of tutoring and learning support services to help you achieve your academic goals. Whether you need assistance with a specific subject or want to improve your study skills, you have many options for tutoring or other support.

To learn more about the services we offer and how to access them, visit the [Institutional Syllabus](#) page under the Tutoring and Learning Support tab. We encourage you to take advantage of these resources to help you succeed in your studies. If you have any questions or would like to schedule a tutoring session, please don't hesitate to reach out to us. We are here to support you in any way we can.

Advising and Counseling Support Services

At our institution, we are committed to supporting your academic and personal growth. That's why we offer a range of advising and counseling services to help you navigate the challenges of college life. To learn more about the resources available to you and how to access them, visit the [Institutional Syllabus](#) page under the Advising and Counseling Support Services tab. Our advising team and the support centers across campus are here to support you in achieving your goals and overcoming any obstacles you may face.

Student Academic Calendar

As students you should be aware of all important dates in the semester, such as the day that courses begin and end, as well as the drop date and the last day to withdraw. To learn more about those dates, navigate to the Student Academic Calendar below:

[SLCC Student Academic Calendar](#)

Additional Policies

None