

STARK STATE COLLEGE MASTER SYLLABUS

Division Name:	Engineering Technologies
Department Name:	Industrial Technology

COURSE INFORMATION

Course Name: Course Number: Credit Hours:	Dimensional M IET270 3	1etrology & Inspe	ection I			
Contact Hours:	3		Lecture Hours:	3		
	If more than one lab type needed, use both lab sections					
	Type of Lab:	NA	Lab Hou	rs:	0	
	Type of Lab:	NA	Lab Hou	rs:	0	
Prerequisites: Co-requisites:	MTH093/094 o None	or Proficiency				
This course is approved for transfer based on the following category:						

OTM: CTAG: MTAG:

For more information, please visit the <u>Ohio Department of Higher Education</u> website (https://www.ohiohighered.org/transfer).

COURSE DESCRIPTION

TAG:

This course provides an in-depth study of measuring principles, instruments, and techniques. The measuring instruments most commonly used in industry, including coordinate measuring machines, are covered. Emphasis is placed on proper use of equipment in terms of prevention and minimization.

GENERAL LEARNING OUTCOMES

Stark State College has identified six general learning outcomes (GLOs) which represent the knowledge, skills, and abilities needed by students who graduate from our institution.

The outcomes designated below are addressed in this course

- 1. Effective Communication (Written/Oral /Reading/Listening)
- 2. Quantitative Literacy (Includes Computational Skills)
- 3. Information Literacy



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4. Critical Thinking

5. Global and Diversity Awareness

6. Civic, Professional, and Ethical Responsibility

COURSE OBJECTIVES

Upon successful completion of this course, students should be able to:

- Gain an understanding of measuring instruments (GLO 3)
- Develop an awareness of the principles of measurement and principle errors (GLO 2, 3, 4)
- Be able to use the steel rule, micrometer, dial indicator, height gage, and gage blocks (GLO 3, 4)
- Have a basic understanding of a coordinate measuring machine (CMM) (GLO 3, 4)
- Create a technical report discussing measurement results (GLO 1, 2, 3, 4)
- Collaborate with other students while performing measurement and inspection techniques (GLO 1, 4, 6)

STARK STATE COLLEGE POLICIES

Please refer to the Policies and Procedures manual on *my*starkstate for more information on all college policies and procedures:

- Honesty in Learning
- Withdrawal
- Attendance
- Student Complaint
- Incomplete
- Grade Appeal
- Standards of Academic Progress
- Anti-Harassment/Title IX
- Sexual Assault
- Student Code of Conduct

DISABILITY SERVICES

The Disability Support Services (DSS) office offers a variety of services and accommodations to students with disabilities based on appropriate documentation, nature of the disability, and academic need. In order to initiate services, students should meet with DSS early in the semester to discuss their needs. The DSS staff will determine specific accommodations and services. If a student with a disability does not request accommodations through the DSS office, the instructor is under no obligation to provide accommodations. Students may contact the DSS office at 330-494-6170, ext. 4935, or schedule an appointment in B104.

COMPUTER USAGE

Students are expected to observe the Student Computer Usage Guidelines concerning the appropriate use of computers at the College. The guidelines are posted in all areas where computers are located, and on the <u>Stark State website</u>.

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Help Desk Services provides support for the following computer issues:

- questions regarding access to student accounts (login issues)
- connecting to a College resource
- connectivity issues with Blackboard (LMS learning management system) •
- using mystarkstate tools .
- software questions
- campus laptop checkout .
- reporting issues with computing or technical resources .

Help Desk Services is located in B219 on the Main campus. Contact them at 800-797-8275 (800-79-STARK), ext. 4357 (HELP). See the Help Desk website: http://www.starkstate.edu/helpdesk for hours and contact information.

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