

ENER-137 READING MEASUREMENT TOOLS .5 CREDITS

SYLLABUS

CATALOG DESCRIPTION

Reading Measuring Tools builds a solid foundation of skills that workers can use across a broad spectrum of applications. It develops the basis for mastering more advanced measuring tasks to ensure that students get the accurate measurements needed for the high technology equipment of today's industry. With this program, workers will master the essentials of handling, applying and reading the most common gauges from steel rulers to micrometers and height gauges.

Prerequisites: None

Semester Offered: All

COMMON STUDENT LEARNING OUTCOMES

Upon successful completion of San Juan College programs and degrees, the student will demonstrate competency in...

BROAD AND SPECIALIZED LEARNING

Students will actively and independently acquire, apply, and adapt skills and knowledge with an awareness of global contexts.

CRITICAL THINKING

Students will think analytically and creatively to explore ideas, make connections, draw conclusions and solve problems.

CULTURAL AND CIVIC ENGAGEMENT

Students will act purposefully, reflectively, and ethically in diverse and complex environments.

EFFECTIVE COMMUNICATION

Students will exchange ideas and information with clarity in multiple contexts.

INFORMATION LITERACY

Students will be able to recognize when information is needed and have the ability to locate, evaluate, and use it effectively.

INTEGRATING TECHNOLOGIES

Students will demonstrate fluency in the application and use of technologies in multiple contexts.

Student work from this class may be randomly selected and used anonymously for assessment of course, program, and/or institutional learning outcomes. For more information, please refer to the Dean of the appropriate School.

COURSE LEARNING OUTCOMES

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

1. Identify the basic types of measuring tools.

A copy of this approved syllabus is on file in the dean's office.

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2. Practice methods of measuring with precision instruments.
3. Learn the terminology associated with measuring tools.
4. Discover the proper use of the different types of measuring tools.
5. Properly calibrate precision instruments before use.
6. Learn to take accurate readings with inside and outside micrometers.
7. Understand when to use different instruments to archive that most accurate data.
8. Perform hands on measurement using different types of instruments.