



STARK STATE COLLEGE

CLASS SYLLABUS

Division Name: Engineering Technologies
Department Name: Industrial Technology
Term: Fall 2017

COURSE INFORMATION

Course Name: Dimensional Metrology & Inspection I
Course Number: IET270
CRN: 29094
Course Modality: Classroom/Lab Web 2 Web 3 Web 4
Class Days/Times: Tues/Thurs: 5:30PM – 6:50PM
Campus Location: Main
Room Number: T103 (of Advanced Technology Center)

INSTRUCTOR INFORMATION

Instructor(s) Name: Mark Christofferson
Office Hours: By Appointment
Office Location: T103 (of Advanced Technology Center)
SSC Email Address: mchristofferson@starkstate.edu

REQUIRED MATERIALS

Textbook(s): Metrology: The Science of Measurement, 2nd Edition. Suga (Order No. EDU 102-10)
Additional Materials: Problem Solving and Decision Making Illustrated Course Guide by Jeff Butterfield (ISBN-10: 1-4390-4114-8, ISBN-13: 978-1-4390-4114-7)

METHODS OF ASSESSMENT / METHODS OF EVALUATION

Methods of Assessment	Percentage Value of Total Grade
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Chapter Homework Assignments (GLO 2, 3, 4)	45%
Lab Experiments, Lab Reports, and Math Problems (GLO 1, 2, 3, 4, 6)	50%
In-Class Exercises (GLO 1, 3, 4, 6)	5%

GRADING SCALE

A = 100 - 90%, B = 89 - 80%, C = 79 - 70%, D = 69 - 60%

CLASS POLICIES

1. Class assignments will be due by the end of the class period in which they are due.
2. Assignments submitted after the due date will receive a 10% penalty reduction in their value prior to grading.
3. Assignments submitted after the end of second class following their due date will not be accepted and will receive a grade of zero.
4. One (1) Make-up Lab will be permitted.

ADDITIONAL INFORMATION/REQUIREMENTS

Attendance Policy

The federal government now requires that all colleges monitor attendance. This is necessary in order to document that students are eligible for the federal funds they receive. The federal government mandates that non-attenders be dropped or withdrawn and federal monies be returned to the federal government. Therefore, Stark State will monitor class attendance for ALL students since it is not obvious which students receive federal funds. Students not in attendance of their classes risk being dropped or withdrawn from courses and having their financial aid canceled or reduced.

WITHDRAWAL DATES

POLICY:

A student may drop a course or all courses from the College during the first 8 calendar days (excluding holidays) of any academic period without academic penalty. Any changes made during this period will not become a part of the student's academic record. Students should refer to the posted refund schedule available at www.starkstate.edu/<semester>-refund-schedule.

After the first 8 calendar days, the College gives students an opportunity to withdraw from a course or all courses. It is the student's responsibility to withdraw by the published withdrawal date and to satisfy any financial obligations to the College. A student is officially withdrawn from a course once a signed "Schedule Change" form has been submitted to the Gateway Student Services Center. A grade of "W" will appear on the student's academic record.

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Beyond the published withdrawal date through the end of the last instructional day, a student with an emergency or extenuating circumstance may receive a grade of “W” only upon consultation with the instructor and approval from the department chair. Sufficient supporting documentation shall be provided by the student when making such a request.

If a student is a financial aid recipient, it is strongly recommended the student consult with a financial aid representative to discuss ramifications of withdrawing.

PROCEDURE:

1. After the first 8 calendar days (excluding holidays), the College requires students to obtain the instructor’s, advisor’s, or department chair’s signature, and to submit the form to the Gateway Student Service Center to process the withdrawal. The person signing the Schedule Change form should discuss the reason for the withdrawal with students to ensure they are aware of all their options. Web 3 and Web 4 students can submit an electronic request for withdrawal, including discussion of all options, via the instructor, advisor, or department chair to the Gateway Student Service Center. The Schedule Change form is available via the mystarkstate portal.
2. A student is officially withdrawn from a course once a signed “Schedule Change” form has been submitted to the Gateway Student Services Center. A grade of “W” will appear on the student’s academic record after the first 8 calendar days (excluding holidays) of any academic period, as long as the student withdraws before the published withdrawal date.
3. Failure to follow the procedures may result in the student remaining registered for the class and accepting the grade outcome on the academic record at the end of the semester.

Deadline to Process Withdrawal Form for This Class: Monday, November 20th, 2017

COURSE OUTLINE/CALENDAR

In case of events beyond the control of faculty that interfere with class times and teaching, adjustments may be made to date of coverage, order of coverage, and date of exams and assignments to ensure full coverage of course content.

Date/Week	Assignments
Week 1	Course Introductions, Technical Report Writing (w/ Data Charts), Chapter 1 History
Week 2	Chapter 1 History – Continued, Steel Rule/Scale Lab
Week 3	Chapter 2 Fundamentals
Week 4	Chapter 3 Gauge Blocks
Week 5	Chapter 3 Gauge Blocks – Continued
Week 6	Chapter 5 Statistics (Mean, Median, Mode)
Week 7	Chapter 5 Statistics (Standard Deviation) – Continued
Week 8	Chapter 4 Micrometers
Week 9	Chapter 5 Calipers
Week 10	Chapter 6 Indicators
Week 11	Chapter 7 Height Gauges

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Date/Week	Assignments
Week 12	Chapter 8 Go/No-Go Gauges, Chapter 9 Optical Comparator
Week 13	Chapter 9 Optical Comparator – Continued, Chapter 15 CMM
Week 14	Chapter 15 CMM – Continued
Week 15	Problem Solving, Critical Thinking, and Decision Making

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