

Course Name

MFG 115
Sum 2020

Number of Credits: 2

Instructor: Matt Higgins

Days Class Meets: N/A online

Contact Phone: see JetNet

Meeting Times: Fully Online

Contact Email: higginsdavidm01@jccmi.edu

Location/Venue : Online

Online Office Hours: by apt. – online only

Course Description

This course will provide the student with a working knowledge and understanding of a variety of Geometric Dimensioning and Tolerancing techniques as they relate to the ANSI Y14.5 2003 standard.

Prerequisite(s)

MFG 105 – Basic Blueprint Reading.

Course Goals

Insert an overview of the course direction, orientation or purpose. Description of student activities, the amount and relative difficulty of reading assignments, or the level of skill required of enrolling students are issues that can be included in this section.

Course Objectives

After completing this course students will be able to:

- Identify ANSI symbols and terminology
- Demonstrate understanding of all GDT symbols and their meaning/placement
- Utilize shop level math in determining tolerances and various calculations
- Demonstrate proper application of the GDT symbols to drawings.
- Calculate true position and demonstrate how gages can be used for testing

Textbook (chose appropriate options below)

- ***No Textbook is required – all materials are presented online***

Extras

- No extra equipment is necessary

Grading Procedure

Learning Modules :

Students will have 9 online modules to complete throughout the 7 week course. Each module is worth a maximum of 10 points. Each module is presented through the learning management system hosted by Toolingu.com. Each student will register for this system and the cost is INCLUDED in your course tuition. Students have the opportunity to take each module quiz 3 times before the due date. Students need to obtain at least an 80% to receive any points for a module.

Weekly Assignment / Mini Projects :

Students will have a weekly assignment in weeks 1,2,3 and 5, and 6. Each assignment will be worth 10 points. Assignments will require some research and/or short written explanations of topics presented in that week.

Examinations :

There will be two examinations, one at week 4 and one at week 7. Each will be worth 20 points.

Grading Breakdown :

9 modules x 10 points = 90 points

5 assignments x 10 points = 50 points

2 examinations x 20 points = 40 points

Total possible points = 180 points

Grading Scale

GPA	GRADE RANGE
4.0	94-100%
3.5	89-93%
3.0	84-88%
2.5	78-83%
2.0	72-77%
1.5	66-71%
1.0	60-65%
0.5	55-59%
0.0	0-54%

Failure

Any circumstances under which a student could be dismissed from or failed in the course that is not covered in other college publications. In pass/fail courses, a listing of minimal competencies.

Academic Honesty Policy

Academic Honesty is defined as ethical behavior that includes student production of their own work and not representing others' work as their own, by cheating or by helping others to do so.

Plagiarism is defined as the failure to give credit for the use of material from outside sources.

Plagiarism includes but is not limited to:

- Submitting other's work as your own
- Using data, illustrations, pictures, quotations, or paraphrases from other sources without adequate documentation
- Reusing significant, identical or nearly identical portions of one's own prior work without acknowledging that one is doing so or without citing this original work (self-plagiarism)

Cheating is defined as obtaining answers/material from an outside source without authorization. Cheating includes, but is not limited to:

- Plagiarizing in any form
- Using notes/books/electronic material without authorization
- Copying
- Submitting others' work as your own or submitting your work for others
- Altering graded work
- Falsifying data
- Exhibiting other behaviors generally considered unethical

Allowing your work to be submitted by others

Accessibility

Jackson College understands that cultivating a broadly diverse community is crucial to our educational mission and to our foundational commitment to leadership and service. Jackson College is fully committed to ensuring our courses are accessible to everyone including those with disabilities. We are currently working to increase accessibility and usability of our course materials in order to meet or exceed the requirements of Section 508 of the Rehabilitation Act of 1973, the Americans with Disabilities Act of 1991 and Web Content Accessibility Guidelines (WCAG) 2.0. For more information about Jackson College's efforts to ensure accessibility please visit the [Jackson College accessibility web page](#).

If you have an accessibility need in any of our classes please e-mail the Center for Student Success at JCCSS@jccmi.edu or visit the [Center for Student Success web page](#).

At the Center for Student Success (CSS), we are committed to providing all students the opportunity to achieve academic success by providing a variety of support services free of charge to Jackson College students. This includes, but is not limited to, peer and faculty tutoring, mental health referral, temporary assistance with transportation, various workshops/seminars, and the TRIO program.

In addition, the CSS staff is committed to adapting the College's general services to meet the individual needs of otherwise qualified students with disabilities, for the purpose of providing equal access to all programs and facilities.

Course Management

Students are required to produce work and meet certain tasks before the due date as presented. No late work will be accepted and failure to meet certain tasks by the due date will lead the student to be dropped from the course. **DUE DATES for everything due within that week are posted on the Sunday evening before – please refer to JetNet for all course due dates and communications.**

Makeup Policy

There will be no make-up or extra credit work for this course.

Help

Available learning services or opportunities for students seeking help with their course work. May include information about tutors, learning centers, reserved library materials, counseling services.

Academic Advising

It is important to contact a Center for Student Success professional prior to the start of the semester in order to receive accommodations in a timely manner. While we will make every effort to coordinate accommodations in a timely manner, failure to self-identify prior to the start of the semester may delay notification to instructors and timeliness of acquiring accommodations.

Accommodations do not automatically carry over to the next semester. Please e-mail JCCSS@jccmi.edu or visit the [Accommodations for Students with Disabilities](#) web page

Student Responsibilities

Requirements beyond scheduled classes or laboratories, e.g., clinicals, extra credit assignments, TBA sessions, field placement, special project instructions, contract learning conditions, study hours required outside class, unscheduled class meetings, attendance at concerts or other required events.

Attendance- Participation Policy

For online sections:

Just as in a traditional classroom course, regular class participation and keeping up on the reading and assignments is strongly correlated with survival in college. It is my recommendation that you plan to do your assignments and take your exams BEFORE the last day they are due. If problems occur, there is time to fix them before the deadline.

In compliance with Federal Title IV funding requirements, as well as college initiatives, I will be monitoring student participation on a regular basis and officially reporting student activity throughout the term to assure compliance with college policy and federal regulations. It is imperative that you log in to the course and actively participate *within the first couple days of the term* to validate your enrollment in the course. After that, not actively participating in class may result in you being withdrawn from the course. Being withdrawn from a course can have an impact on financial aid, billing, athletic eligibility, and housing status. As a college student you are responsible for how your participation impacts your academic progress; the accountability lies with you.

Calendar

Below is the approximate calendar of events for this course. Please refer to the weeklyJetNet postings. Generally ALL assignments are due Saturday midnight for each week. There are other specific due dates that may be sooner at the beginning of the term.

**Also include a statement that calendar timelines and assignments are an approximation and could be changed.*

WEEK #	MODULES	ASSIGNMENTS	EXAMINATIONS
1	#131, #121	Weekly Summary	None
2	#301 #311	Rules Summary Research	None
3	#200, #312	Application Assignment	None
4	NONE	NONE	Examination #1
5	#310, Virtual Condition Packet	Virtual Condition Exercise	None
6	#321,#331, True Position Packet	True Position Exercise	None
7	None	None	Examination #2

