



Manufacturing MathII – FALL 2016
Course #: MFG K105 T1 CRN 33052
Wednesday: 6:00 PM – 8:45 PM, Room B227

Course Instructor: Jodi Clark

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Office Hours: by appointment

Course Text: *Mathematics for Sheet Metal Fabrication*
Publisher: Delmar, Cengage Learning

Course Description: A study of arithmetic and algebraic operations applied to manufacturing circumstances. Fractions, decimals, tolerances, percentages, signed numbers, powers and roots, the metric system, as well as ratios and proportions are studied in depth. Introduction to algebraic, geometric and trigonometric functions necessary for sheet metal layout and fabrication.

Course Support: Tutorial services. Peers. Office hours with instructor.

Class Cancellation: To determine if the college is closed, please visit the TRCC webpage at <http://www.trcc.commnet.edu/> and/or sign-up for notification through MyCommNet ALERT.

MyCommNet Alert: *MyCommNet* is a system that sends text messages and emails to anyone signed up in the event of a campus emergency. Additionally, TRCC sends messages when the college is delayed or closed due to weather. All students are encouraged to sign up for *MyCommNet* Alert. A tutorial is available on the Educational Technology and Distance Learning Students page of the web site.
http://www.trcc.commnet.edu/div_it/educationaltechnology/Tutorials/myCommNetAlert/MIR3.html

Course Objectives: Upon completion of the course, student should be able to:

1. Develop and demonstrate the ability to use standard mathematical tools to develop and translate drawings to construct, layout and cutout sheet metal components.
2. Develop and demonstrate necessary occupational skills to allow the student to transition from the school environment to a work environment including communication skills and working in teams.
3. Develop and demonstrate the ability to think critically and identify evaluate and solve technical and non-technical problems.
4. Develop and demonstrate the ability to be lifelong learners.

Disabilities Statement:

Students with disabilities are guaranteed reasonable accommodation under the provisions of the Americans with Disabilities Act of 1992. Disclosure of a disability must be voluntary. For further assistance, please contact Matt Liscum in the Office of Disability Services at 860.215.9265 or mliscum@threerivers.edu. Please note that an instructor cannot provide disability accommodations until a student provides the necessary paperwork from the college's Office of Disability Services.

Academic Integrity:

At TRCC, we expect the highest standards of academic honesty. The Board of Regents' Student Conduct Policy prohibits cheating on examinations, unauthorized collaboration on assignments, unauthorized access to examinations or course materials, plagiarism.

Electronic Learning Portfolios:

All students are required to maintain an online learning portfolio in [Digication](#) that uses the college template. Through this electronic tool students will have the opportunity to monitor their own growth in college-wide learning. The student will keep his/her learning portfolio and may continue to use the Digication account after graduation. A Three Rivers General Education Assessment Team will select and review random works to improve the college experience for all. Student work reviewed for assessment purposes will not include names and all student work will remain private and anonymous for college improvement purposes. Students will have the ability to integrate learning from the classroom, college, and life in general, which will provide additional learning opportunities. If desired, students will have the option to create multiple portfolios.

Attendance:

Attendance is required to succeed in this course. If you miss class on the day of a quiz or exam you will not be allowed to make it up. Attendance will be taken for all classes.

College Withdrawal Policy:

Course withdrawals are accepted up until the week before classes end. Withdrawal forms are available online or at the Registrar's office. The withdrawal does not have to be signed by the instructor but it is strongly advised that you speak with your instructor before withdrawing. If necessary, you can withdraw over the phone by calling the Registrar's Office at 860.215.9064. Emails and faxes are also accepted. If you are receiving financial aid, it is strongly recommended that you contact the [Financial Aid Office](#) before withdrawing. Withdrawal may affect your financial aid for current and/or future semester(s). It is your responsibility to confirm that the withdrawal has been received.

The last day to withdraw from the Fall 2016 semester is December 9th, 2016

Evaluation Criteria:

The following criteria will be considered in evaluating student performance:

- a. Classroom participation and in-class assignments**
 - b. Weekly homework assignments**
 - c. Quizzes/Projects**
 - d. Exams and final exam**
- a. Classroom participation and in-class assignments**
Lateness and absences will have a negative impact on your grade. If attendance becomes an issue and you decide not to return to class, it is YOUR responsibility to officially withdraw from the course. There will be periodic in-class graded assignments throughout the semester. If you are absent on the day of an in-class assignment, a make-up assignments will not be provided.

b. Weekly homework assignments

There will be assigned homework throughout the semester. Please have assignments done before the start of the following class as we will review homework and any questions about homework at the beginning of each class.

c. Quizzes/Projects

Regular quizzes will be given throughout the semester. There will also be a project that is directly related to sheet metal & welding and mathematics. Students will work in groups to complete their projects.

d. Exams and final exam

During the semester there will be 3 exams and a final exam. Exams cannot be made up unless arrangements have been made with the instructor *prior* to the time of the exam.

Grading Policy:

Your final grade will be earned by the following component breakdowns:

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|-----------------------|-------------|
| • Quizzes | 10% |
| • Class Participation | 10% |
| • Projects | 20% |
| • Exams | 40% |
| • <u>Final Exam</u> | <u>20%</u> |
| TOTAL | 100% |

Grading Equivalents:

Your final letter grade will be determined according to the following equivalents:

A: 93 – 100, A-: 90 – 92
B+: 87 – 89, B: 83 – 86, B-: 80 – 82
C+: 77 – 79, C: 73 – 76, C-: 70 – 72
D+: 67 – 69, D: 63 – 66, D-: 60 – 62
F: below 60
N: if the student completed less than 60% of work.

FALL 2016 Standard 15 Week Session

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| Aug 25 | New Student Orientation |
| Aug 28 | Registration deadline and last day to drop classes for full tuition refund - online (Aug 26 - in person) |
| Aug 29 | Classes begin, Add and Drop Periods Begin |
| Sep 5 | Labor Day - college closed |
| Sep 6 | Last day for registered students to add a class |
| Sep 7 | Convocation |
| Sep 11 | Last day to drop classes and partial tuition refund |
| Sep 16 | Constitution Day (observed) - classes in session |
| Sep 26 | Last day to select audit option |
| Oct 14 | Professional Day |
| Oct 31 | Advising day (classes in session) |
| Nov 1 | Continuing Degree-Seeking Student Registration for Winter '16 Intersession and Spring '17 Semester Advising day (classes in session) |
| Nov 7 | Last day to select pass/fail option, last day to submit incomplete work from Spring '16 and Summer '16 |
| Nov 15 | New Student and Non Degree-Seeking Student Registration for Winter '16 Intersession and Spring '17 Semester, and last day to apply for spring graduation (May '17) |
| Nov 23 | College Open - No classes in session |
| Nov 24-27 | Thanksgiving Recess |
| Dec 6 & 9 | Reading/make-up days |
| Dec 9 | Last Day to withdraw from classes |
| Dec 16 | Last Day of 15 Week Session |
| Dec 23 | Final grades due to Registrar's Office |
| Dec 26 | Christmas Day Observed - college closed |
| Dec 28 | Grades available on web |