



***Manufacturing MathII – SPRING 2016***  
***Course #: MFG K105 T1 CRN 13492***  
***Wednesday: 6:30 PM – 9:15 PM, Room D124***

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**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](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](mailto: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 Spring 2016 semester is May 9, 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:

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

**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.

## Spring 2016 Standard 15 Week Session

<b>Jan 18</b>	<b>Martin Luther King Day - College Closed</b>
<b>Jan 19</b>	New Student Orientation
<b>Jan 20</b>	Professional Day
	Registration deadline and Last Day for Full Tuition Refund
<b>Jan 21</b>	<b>Classes Begin</b>
	Add and Drop Periods Begin
<b>Jan 28</b>	Last Day for Registered Students to Add a Class
<b>Feb 3</b>	Last Day to Drop a class and Partial Tuition Refund
<b>Feb 12-15</b>	<b>Lincoln and Washington's Birthday Observed - College CLOSED, Classes NOT in Session</b>
<b>Feb 17</b>	Last Day to Select Audit Option
<b>Mar 15</b>	Last Day to Apply for Summer (August '16) Graduation
<b>Mar 19-27</b>	<b>Spring Break - Classes Not in Session</b>
<b>Mar 25-26</b>	<b>College Closed</b>
<b>Mar 31</b>	Last Day to Select Pass/Fail Option - 15 Week Session
	Last Day to Submit Incomplete Work from Fall '15 semester and Intersession '15 Sessions
<b>Apr 1</b>	Continuing Degree-Seeking Student Registration for Summer '16 Session and Fall '16 Semester
<b>Apr 18</b>	New Student and Non-Degree Seeking Student Registration for Summer '16 Session and Fall '16 Semester
<b>May 5</b>	Make-up/Supplemental Day - Instructor Discretion/ Reading Day
<b>May 9</b>	Last Day to Withdraw from Classes
<b>May 16</b>	Last Day of 15 Week Session
<b>May 17-18</b>	Make-up/Supplemental Day - Instructor Discretion
<b>May 19</b>	<b>Commencement</b>
<b>May 20</b>	Final Grades Due
<b>May 25</b>	Student Grades Available on Web
<b>May 30</b>	<b>Memorial Day - College Closed</b>
<b>June 15</b>	Last Day to Apply for Fall (December '16) Graduation