

# Three Rivers College

THE COMMUNITY COLLEGE OF SOUTHEAST MISSOURI

## Master Syllabus

### MEDR 135 Blueprint Reading

  3   Credit Hours

  3   Lecture Hours /   0   Lab Hours

**Semester:**

**Start Date:**      **End Date:**      **Last Day to Drop:**      **Last Day to Withdraw:**

**Prerequisite/Corequisite:** None

**Instructor:**

Office Location:

Phone:

Email:

Office Hours:

**Textbook(s) and Materials:**

Walter C. Brown, Print Reading for Industry, Goodheart-Wilcox Publisher, 2002

**Course Description**

**Catalog Description:** An introduction to blueprint reading through a study of the fundamental skills and concepts involved in reading, sketching, and interpreting drawings. Also time will be spent in proper use of the basic measuring instruments. SP

**Student Learning Outcomes:**

Upon successful completion of this course, student will be able to:

- Demonstrate an understanding of print reading terminology and terms associated with dimensioning and tolerancing.
- Practice making measurements using basic measuring instruments.
- Interpret information contained in the title block and drawing notes.
- Identify and locate information about specific features of a part in different views presented on the print and different line types and tolerancing.
- Review basic shop mathematics.

**Course Purpose (or Course Rationale):**

This is required for the AAS in the Industrial Technology- Power plant program. To introduce blueprint reading through a study of the fundamental skills and concepts involved in reading, sketching, and interpreting drawings.

**Course Evaluation Policy**

**Grading Scale:****Assessment Measures:**

Tests:	55%
Quizzes:	
Written Assignments:	30%
Portfolio:	
Laboratory/ Semester Work:	
Participation/Discussion Groups:	15%

A	90% - 100%	D	60% - 69%
B	80% - 89%	F	Below 60%
C	70% - 79%		

**Attendance:** It is important that you attend each class as much of the teaching/learning for this class is by means of hands-on work during each class session. Legitimate absences must be confirmed by the instructor on a case-by-case basis prior to start of class period. **Do not miss assessment days.** There will be no makeup tests unless instructor is contacted **PRIOR** to the start of the assessment.

**Missed Tests:** Pending circumstances if emailed prior to the assessment.

**Late Work:** 75% credit

**Extra Credit:**

**Course Procedures:**

Summary of written assignments, research, videos, class discussion, lab safety, cell phone policy, expectations of responsible behavior, timeliness, courtesy, and academic honesty as it applies to each class.

**Electronic Devices within the Learning Environment [ISE 6410]**

Electronic devices including, but not limited to, laptop/netbook computers, cellular devices, e-readers, and MP3 players will be turned off within the learning environment. Exceptions include the use of such devices for medical emergencies, or contacts which must be maintained due to work requirements. In such cases the student must advise the instructor, and the device must be in "silent mode." The instructor may make adjustments to this policy for specific usage in their unique learning environments. The usage of such electronic devices in relation to approved ADA accommodations is exempt from this regulation.

Disciplinary actions related to the violation of this regulation may include but are not limited to: a verbal warning to the student(s); the student(s) being asked to leave the learning environment; reductions in the grade for an assignments or examinations.

**Student Code of Conduct [SR 2610]**

Three Rivers College created for its students a Student Code of Conduct to clearly communicate to students what is expected of them. All students should go to <http://www.trcc.edu/forms/policiesregs/SR2610.pdf> to review the student code of conduct regulation and the list of expectations for students.

Week #	
1	Unit 1 Prints: The Language of Industry Unit 2 Reading a Steel Rule Unit 3 Applied Mathematics
2	Unit 4 Measurement Tools Unit 5 The Alphabet of Lines
3	<b>Test: Units 1 - 5</b> Unit 16 Detail Drawing
4	Unit 17 Assembly Drawings
5	Unit 18 Pictorial Drawings Unit 19 The Title Block Unit 20 List of Materials
6	Unit 21 Drawing Notes Unit 22 Drawing Revision Systems
7	Unit 6 Basic Technical Sketching, Lettering and Dimensioning Unit 7 Geometric Construction <b>Test: Units 16 - 22</b>
8	<b>SPRING BREAK</b>
9	Unit 8 Multiview Drawings
10	<b>Unit 9 Auxiliary Views</b> <b>Unit 10 Section Views</b>
11	Unit 11: Threads and Fasteners

**Harassment  
(Title IX) [GAR  
1240]**

It is the policy of Three Rivers College and its Board of Trustees that each employee and student be allowed to work and attend the college in an environment free from any form of improper discrimination. All students should go to

12	<b>TEST: Units 6-10</b> Unit 12 Dimensioning Unit 13 Tolerancing Unit 14 Machining Specifications & Surface Quality
13	Unit 15 Geometric Dimensioning and Tolerancing <b>Easter Break</b> Unit 25 Reading Numerical Control Documents <b>Easter Break</b>
14	<b>Test: Units 11 - 15</b> Unit 26 Plastic Parts
15	Unit 27 Precision Sheet Metals Unit 28 Welding Prints
16	Advanced Print Reading Exercises
17	<b>Test: Units 25-28</b>

<http://www.trcc.edu/forms/policiesregs/GAR1240.pdf> to review the student harassment regulation.

**Academic Assistance:**

Academic Resource Commons (ARC): Located in ARC with a library, computer resource center with printing, and web access. Visit <http://www.trcc.edu/arc/> for more information, call 573-840-9654, email [library@trcc.edu](mailto:library@trcc.edu) or send questions via text to 573-298-6105.

Tutoring and Learning Center (TLC): Located on the second floor of the ARC. Tutoring help is available for math, English, and some science classes. Computers with internet access are available. Call 573-840-9638 or email [tlc@trcc.edu](mailto:tlc@trcc.edu) with general questions. Email [writing@trcc.edu](mailto:writing@trcc.edu) with questions specific to writing and writing assistance.

ACHIEVE Program: Located on the second floor of the ARC. Provides free services to eligible students. Find information about services and eligibility at <http://www.trcc.edu/studentsuccess/achieve.php>.

Technical Difficulties: If you have difficulties accessing myTRCC, student email, or Blackboard, call 573-840-9605 or visit Login Assistance for more information

(<http://www.trcc.edu/loginhelp/> ). For all other non-login Blackboard issues, email [blackboard@trcc.edu](mailto:blackboard@trcc.edu).

**Students with Disabilities:** Three Rivers College complies with the Americans with Disabilities Act. If you need accommodations or academic adjustments due to a documented disability, please call the Office of Disabilities Accommodations at 573-840-9608 for assistance.

### **Course Schedule (Assignments and Activities):**

***This master syllabus has been approved by the Three Rivers College Faculty. All full-time and part-time faculty are required to follow this syllabus. Therefore, the course description, student learning outcomes, and the course rationale are not to be altered in any way. Participation in the assessment of student learning outcomes is required by all faculty.***