

Rules and Expectations For Industrial Technology Classes

Mr. O's Ten Commandments

1. Thou shalt come to class on time.
2. Thou shalt be prepared for class.
3. Thou shalt not leave the class without permission.
4. Thou shalt not use the office without permission.
5. Thou shalt not use the office phone without permission.
6. Thou shalt respect thy neighbor's stuff.
7. Thou shalt respect thy neighbor's dignity.
8. Thou shalt be responsible for thine own assignments and projects.
9. Thou shalt respect thy teacher and his stuff.
10. Thou shalt respect thy school and its equipment.

These Ten Commandments you shall obey so that your life in my class will be long and you will have good success. They are there to guide you and remind you of these key words. CHOICE, RESPECT, RESPONSIBILITY, and ACCOUNTABILITY

Grading Policy

Grades shall be earned in the following areas

1. Quizzes
2. Projects
3. Tests
4. Progress on projects (weekly grade)
5. Written assignments

The grading scale is as follows

90-100	A
80-89	B
70-79	C
60-69	D
0-59	F

Four Short Steps

There are four short steps to being removed from class.

- First offense Verbal warning
- Second offense Sent to office for time out.
- Third offense Sent to office for time out, plus contract to come back into class and call to parents.
- Fourth offense Removal from class with a failing grade

Any of these steps can be skipped and taken to #4 if you are a safety hazard to any of the other students.

Syllabus

Exploring Technology

Grades 9-10

Course Description: In these classes the students will gain an understanding and sense of application for technology, including reading for interpretation and application of science, math, English, and computer literacy, into a meaningful technology learning experience. The structure of the curriculum material, with its integrated basic skills ensures that the technology class is a place for education and not just entertainment.

Beginning Woods

Grades 9-12

Course Description: This one semester course is a continuation of the woodworking and drafting program started in junior high. The review of the use of hand tools and the continual development of safe working habits will be stressed. Studying the safety operations of the power equipment used in the shop will help to develop the skills in handling the tools properly. This course will also be devoted to the importance of making good plans to follow when making a project, calculating board feet, to make a bill of materials, and to developing cooperation, communication and responsibility to others when working in groups. The students will demonstrate their ability to safely use the hand and power tools in the shop by drawing the plans and the construction of several required projects.

Advanced Woods

Grades 10-12

Course Description: This one semester course is a continuation of Beginning Woods It is designed to allow the student to sharpen their skills in wood working, allowing them to plan and produce their own project. Students will draw plans, make a bill of materials, buy the necessary wood, and construct their project. Project selection will be done on the basis of the skill level of the student in close consultation with the teacher and sometimes parent. Projects must be completed, right down to the last details by the end of the semester or a failing grade will be assigned to the student for incomplete work.

Mechanical Drafting

Grades 10-12

Course Description: This one semester course will cover basic geometric construction, measurement, orthographic projections, dimensioning, section views, and auxiliary views. Drawings will be done on both the drawing board and the computer using CAD. The goal of this course is to get students to visualize and understand drawings by having them create them on their own.

Architectural Drafting

Grades 10-12

Course Description: This one semester course is designed to teach students about the details of residential construction. Students will draw details of parts of houses and buildings while learning the parts. Students will then develop a full set of house plans which will include floor plans, foundation and footing plans, kitchen, electrical and elevations. A materials list will also be developed for each house that is designed.

Iowa Western Community College

Course Syllabus Principles of Building

2007-2008

I. Faculty Information:

Paul Oldberg.
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Office: Missouri Valley High School
Office Hours: 8:00 am – 4:00 pm

II. Course Information

<u>Course Prefix/No.</u>	<u>Course Name</u>	<u>Credits</u>
BUL542T	Principles of Building	3Cr

Course Description:

Principles of Building is designed to give students a deeper understanding of the building trades. The course is offered at Missouri Valley High School during the spring semester. Students will gain knowledge and skills through a variety of activities related to the construction field. Professionals in the HVAC, Plumbing, and electrical fields will be asked to share knowledge from their specific fields in order to expose the students to as many aspects of the construction fields as possible.

Prerequisites:

Beginning Woods, Advanced Woods (Prefer Architectural Drafting)

Course Meeting Times

M-F 12:00 – 1:45
off sight.

Course Location

MVHS Shop and various locations

Required Textbooks:

Textbooks are provided by Missouri Valley High School

Core Curriculum by NCCER (National Center for Construction Education and Research)

Carpentry by NCCER (National Center for Construction Education and Research)

Materials and Supplies to be furnished by Student:

Tool belt with various needed hand tools
Writing Instrument
Notebook paper

Course Learning Objectives (Course Competencies/Quality Standards)

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

1. Be familiar with the basic terminology and vocabulary.
2. Be able to do basic construction math.
3. Know appropriate materials to be used for specific applications
4. Be able to estimate materials needed for a job. (concrete, lumber, roofing, siding, etc.)
5. Gain in their skill level as they work on various construction jobs.

Honor Code – Academic Honesty:

Upon enrolling at Iowa Western Community College, each student assumes an obligation to conduct her/his academic affairs in a manner compatible with the standards of academic honesty established by the College and its faculty. If this obligation is neglected or ignored by the student, disciplinary action will be taken.

Course Practices:

- **Attendance Requirements**
 - Daily attendance is mandatory. The student if preparing for the world of work and developing the habit of regular attendance is essential to being successful in a career. Parent/Guardian must notify Missouri Valley Schools to verify absence. The student is responsible for completing all work. The student has 24 hours, upon returning to school, to obtain make-up work from his/her instructor. This is the student's responsibility. If the make-up work is not completed after 48 hours, the student receives a "0" for that work.
- **Late Papers and Assignments**
 - NO LATE PAPERS/ ASSIGNMENTS ACCEPTED. If the paper/ assignment are not handed in on time, the grade will be a zero.
- **Missed Tests/Make-up Tests**
 - The student is expected to be in class on days that tests are scheduled. Test dates are posted in advanced in the classroom. If the student misses the scheduled test date, they will be required to take the exam on the day of their return.
 - Quizzes may be scheduled or non-scheduled.
- **Behavior Policy**

The student is expected to be punctual and prepared with needed supplies and materials for class.

The student is expected to pay attention, take notes, ask questions, and participate in discussions and activities.

The student is expected to treat all others with respect and dignity that they expect to be treated with individually.

Instructional Techniques and Practices

Information is presented in a variety of method including, but not limited to, the following:
Classroom lecture, videos, demonstration, and readings.

Classroom Assessment Techniques

Assessment methods utilized include the following:
Written answers to text, scheduled and non-scheduled quizzes, participation in class activities.

Participation expectations:

A – Student needs to participate in the group activities more than 90% of the time, proactively looking for things to do to advance the project.

B – Student need to participate at least 80% of the time, ask for things to do when not actively working and then work toward completing the task.

C – Student has to be told what to do, then willingly does it but doesn't stay on task and needs prompts to to complete the task.

D – Student has to constantly be told what to do, then falls off task with little or nothing accomplished.

F – Student doesn't participate and distracts others from doing what they are suppose to do.

Grading

Grading Scale

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

The letter grade will be calculated from the number of points the student has earned.

Academic Integrity Policy

Upon enrolling in the College, I assume an obligation to conduct my academic affairs in a manner compatible with the standards of academic honesty established by the College and its faculty. If I neglect or ignore this obligation, I understand that disciplinary action will be taken.

Americans with Disabilities Act Statement

If you are an individual with a disability who requires an accommodation to fully participate in academic programs or campus activities, please inform your instructor so that proper contacts can be notified.