

# North High School

## Course Syllabus

**Course:** Drafting I

**Prerequisite:** None

**Next Course in Sequence:** Drafting II

### Overview:

This course is designed to provide you the opportunity to successfully work with AutoCAD. You will learn key concepts of drafting and design through real-world based assignments. You will experience drafting of both the old and new ways. We will concentrate on the old ways for most of the quarter. A final project and assessment will be issued towards the end of the quarter.

### Objectives:

This Industrial Technology course is designed to help you become:

- Identify and use appropriate drafting equipment to complete a drawing
- List reasons why we make sketches
- Create basic orthographic projections
- Describe the importance of CAD in the manufacturing process
- Convert isometric views to a three-view orthographic drawing and vice versa
- Dimension drawings according to appropriate practices
- Create pictorial drawings like oblique and isometric sketches of a geometric object
- Identify and draw different types of lines in drafting
- Collect measurements from an object for creating an orthographic projection

### Course Outline:

1. Measuring, Scaling
2. Lettering
3. Basic Geometry
4. Drawing Orthographically
5. Drawing Isometric
6. Learn how to dimension
7. Learn AutoCAD R14
8. Learn about layers
10. Develop Working Drawings
11. Finish Projects
12. Evaluation on projects
13. Review
14. Final Exam

### Classroom/Laboratory Expectations:

Each Student Will:

- ✓ Abide by all classroom safety rules.
- ✓ Abide by all computer rules.

- ✓ Bring a pencil and notebook to class.
- ✓ Be quiet and attentive during lecture and tests

**Attendance:**

Students are expected to comply with all attendance policies as established by building administration. Participation is an important part of your grade. Missing a class (laboratory activity) is difficult to make up and may cause a reduction in your grade. It is the students responsibility to make-up all missed work.

**Tardy Policy:**

Students are expected to be in their seats when the bell rings. In event that does not happen then the following is our tardy policy:

- 1<sup>st</sup> & 2<sup>nd</sup> Tardy      Verbal warning
- 3<sup>rd</sup> Tardy              The student and parent will be notified that the next tardy will result in a "After School detention"
- 4<sup>th</sup> Tardy              "After School detention"

**Discipline:**

Teachers will document and make students aware of disruptive behavior. Students are expected to take corrective action. Consequences such as detention may be assigned. Repeat violations will result in parent involvement. Further disruptions will result in the student being referred to the administration with a recommendation of removal from class.

**Assessment Procedures:**

Activities	45%
Written	35%
<u>Participation</u>	<u>20%</u>
Total	100%

(60% and above is considered a passing grade)

**Grading Policy:**

90% and above	A
89-80%	B
79-70%	C
69-60%	D

59% and below                      F            (as defined by the instructor)

**Product Fee: \$10.00** product fee will be charged for supplies (paper, toner, computer upkeep, etc.).