

Introduction to Drafting and Design

Syllabus, Spring 2017
wheelerdrafting.weebly.com

Ms. Valerie Bolen
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Introduction to Drafting and Design

COURSE DESCRIPTION:

Introduction to Drafting and Design is the introductory course for both the Architectural and STEM Drafting and Design pathways. Emphasis is placed on safety, use of tools, sketching, lettering, geometric construction, fundamentals of Computer Aided Design (CAD) and multi-view drawing. Students learn hand drafting techniques and are then introduced to computer-aided drafting and design through use of Autodesk AutoCAD and Inventor software. Students will have the opportunity to learn basic digital fabrication through the use of the laser cutter/engraver and 3-D printer as well. Textbooks are used in class only. Students are expected to be engaged and work diligently in class as projects often can best be completed using lab computers, materials and equipment.

MATERIALS AND EQUIPMENT:

A class set of drafting equipment is provided to students as well a lab computer with software required for class assignments. Students must provide their own pencils (2H, 4H) and pink or white erasers. Optional supplies include: a USB drive, a sketchbook for notes/ideas, and model making materials (acrylic, foam core, etc.) for final projects later in the semester. Items are available at Wal-Mart, office supply or art stores. AutoDesk Software is available to download for free at www.autodesk.com/education/free-software/all.

GRADING:

| | |
|---|-------------|
| Class Participation/Daily Grade | 10 % |
| Tests/Quizzes | 20 % |
| *Drawings and Models | 50 % |
| *Comprehensive Final Exam, Project and SLO | 20 % |

**Major Assignments will be received late, but there will be up to 20% penalty for each day late.*

Per Wheeler policy, grades will be entered weekly and graded work returned within 5 days with the exception of the final project and exam. The final project and exam takes time to grade but will be returned to you as quickly as possible.

EXPECTATIONS:

1. Be respectful: Of yourself, others, our classroom environment, your work station, materials/equipment, our school, and our community. Keep your workstation neat and put supplies away at the end of class. Use classroom tools properly and for their intended use.
2. Be on time: Have a pass if you are late. Be prepared and complete assignments on time.
3. Be courteous: Be polite and helpful and willing to work with others.
4. Be actively engaged: Be attentive and participate in class activities, discussions, and presentations. Utilize class time and work diligently on projects and assignments. Lab computers and printers are for class related research and projects only. Videos, gaming or other non-class related activities including printing projects/papers for other classes are not permitted. Please have cell phones and other devices, food and drinks put away unless otherwise noted.
5. Class participation grades will be based on following class expectations and exhibiting workplace readiness and employability skills.

Note that students must adhere to all rules in the Wheeler High School Student Handbook. Take particular note of the rule of no cell phone use during class on page 34 of the handbook. Phones may be used on certain occasions with permission as a camera to document work. Otherwise, texting, making/receiving calls, gaming, selfies/videotaping, charging phones etc. is not permitted during class.

COMMUNICATION:

Please feel free to contact me if you have any questions or concerns. I can best be reached by email:

E-mail: valerie.bolen@cobbk12.org

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PLEASE SIGN AND RETURN THIS PART OF THE COURSE SYLLABUS. RETAIN THE SYLLABUS FOR YOUR REFERENCE. IF YOU HAVE ANY QUESTIONS, YOU MAY NOTE THEM BELOW OR CONTACT ME SEPARATELY.

Student's printed name

Class period

Student's e-mail

I have read and understand the terms of the Introduction to Drafting and Design Syllabus.

Student Signature

Date

Parent/Guardian Signature

Date

Parent/Guardian Printed Name(s)

Parent Phone Number

Parent Work/Daytime Phone Number

Parent Email Address (please print clearly)