Course Information
CAD 152: Computer – Aided Design 1
3 Credits
Fall 2019
August 26, 2019 through December 13, 2019
Class: Tuesday 5:30 PM – 9 PM

Instructor Information

Course Description
This is a hands-on laboratory based course in computer assisted design/drafting using AutoCAD software. Subjects covered include creating and modifying entities, layers, viewing commands, blocks, and plotting. Students prepare drawings, create designs, and produce a portfolio of their work. Course fee required.

Textbook and Course Materials
AutoCAD 2019 Tutorial – First Level: 2D Fundamentals. Publisher: SDC Publications

Student Learning Outcomes
- CAD 152 – Computer-Aided Design is the first course in a sequence of courses that includes CAD 153 – Computer-Aided Drafting and CAD 226 – Computer-Aided Design: Architectural and/or CAD 228 – Computer-Aided Design: Solid Modeling.
- It is projected that 80% of the students enrolled in this course will continue on to complete the sequence of courses. Upon completion of this course, students are expected to present a portfolio of their work that consists of a series of CAD drawings.

General Education Outcomes:
- Students will be able to design and assemble fluid components using basic mathematics and engineering principles.
- Students will understand how to read schematics/ blueprints.

Definition of Credit Hour: Classroom Courses
To earn one academic credit at HCC, students are required to complete a minimum of 37.5 clock hours (45 fifty-minute “academic” hours) of coursework per semester. Those hours of coursework may be completed through a combination of hours within the classroom and hours outside the classroom. Certain courses may require more than the 37.5 minimum hours of coursework per credit. For most classes, students should expect to do at least 2 hours of coursework outside of class for each hour of in-class coursework.
## Minimum clock hours required for this course

<table>
<thead>
<tr>
<th>In-class “lecture”</th>
<th>DIRECT Faculty Instruction</th>
<th>Student Work</th>
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</thead>
<tbody>
<tr>
<td>37.5 hours REQUIRED</td>
<td>37.5 hours</td>
<td>100 hours REQUIRED</td>
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<table>
<thead>
<tr>
<th>3 Exams (2 Tests and Final Exam)</th>
<th></th>
<th>20 hours</th>
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</thead>
<tbody>
<tr>
<td>Quiz/activity for each chapter</td>
<td></td>
<td>20 hours</td>
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<tr>
<td>Student Lecture</td>
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<td>20 hours</td>
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<tr>
<td>Homework</td>
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<td>40 hours</td>
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**Total Hours**

| 37.5 hours | 100 hours |

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**Services for students with disabilities:**

Students may receive reasonable accommodations if they have a diagnosed disability and present appropriate documentation. Students seeking accommodations are required to contact the Disability Support Services (DSS) office as early as possible. Students may contact a DSS staff member for an appointment at dss@hagerstowncc.edu or at 240-500-2530.