Course Description:
A continuation of practices and techniques used in basic computer-aided drafting emphasizing the
development and use of prototype drawings, construction of pictorial drawings, construction of 3
dimensional drawings, interfacing 2d and 3d environments and extracting data.
Basic rendering techniques will be developed.

Course Pre-requisites: DFTG 1409 or equivalent or Instructor Approval.

Course Materials/Supplies Needed
1) AutoCAD and Its Applications Basics Advanced 2017  By Shumaker and Madsen
   If you choose to use the MVC CAD Lab #2 and #3 applies to you.
2) 1 CDR or a USB Flash Drive
3) Computer Headphones

All required resource materials must be provided by the student. If you fail to provide your resource
materials, you will be denied assistance in the lab. (Financial Aid is available if needed)
Student Learning Outcomes
After successful completion of this course the student should be able to:
   A. Visualize and develop isometric drawings.
   B. Convert 2D (AutoCAD) geometry of an object into 3D solid geometry.
   C. Manipulate the advanced (AutoCAD) commands required for efficient 3D generation.
   D. Create rendered images with multiple scenes plus, export and import raster files.
   E. Generate complex 3D parts and assemblies using external references.

Course Outline: On separate spreadsheet file

Instructor Attendance Policy:
Students are expected to monitor their own attendance in class throughout the semester.
Announcements online are spaced once per class day to mirror a normal face to face to class. Grades are determined by the completion of the given assignments.

Students must begin attendance in all classes of enrollment. No exceptions. Financial Aid will not be granted to students who have been certified as not attending, by the certification date. For this lecture course, your physical participation in class, on or before the certification date will allow you to receive credit for FA purposes. For certification dates, check with the division or FAO for further information. Students, who are not certified as beginning class, are responsible for any payments due as a result of non-certification, to include the dropping of courses.

Certification Procedures:
After the online student reads this syllabus he or she must take the syllabus assessment located in “Course Information” on eCampus. This must be done prior to July 14, 2017. If not, the student will be reported as “non attended” to the district.

Grading Scale:
<table>
<thead>
<tr>
<th>Category</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Assignments</td>
<td>75%</td>
</tr>
<tr>
<td>Final Product</td>
<td>25%</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>100%</td>
</tr>
</tbody>
</table>

Evaluation Procedures:

**Drawing Due Date:**
Drawings will be due 1 week after the assignment is given.
The student will have 2 weeks to correct the drawing and resubmit it for a maximum score of 90.
Drawings turned in late will be penalized 10 points and will not be eligible to be resubmitted.

**Drawing Deadline:**
After 1 week past the due date the assignment will not be accepted and the student will receive a grade of zero.

Grading percentages and the final letter grade will be as follows:
   90% - 100% = A
   80% - 89% = B
   70% - 79% = C
   60% - 69% = D
   < 59% = F
Laboratory Policies:

Students taking distance learning classes may use the CAD Lab at MVC to do their work if they choose to do so. Open Hours are posted in the Lab. To use the lab during class meeting times at night and Saturdays obtain permission from the instructor conducting class. The last lab day of the semester is August 10, 2017. No assignments or projects will be accepted after midnight of this date and time.

Rules & Regulations

Students who use the CAD Lab must comply with these rules.

There is No Food, No Drinks, No Cell Phones, and No Children allowed in the CAD Lab or Lecture Lab. All cell phones should be turned off prior to entering the class. If your cell phone goes off, or if you bring food, drink, or children into the lab, you will be asked to leave for that day.

Students who have disruptive behaviors will be expelled from the classroom.

Withdrawal Policy:

If you are unable to complete this course, it is your responsibility to withdraw formally. The withdrawal request must be received in the Registrar’s Office by August 3, 2017. Failure to do so will result in your receiving a performance grade, usually an "F."

If you drop a class or withdraw from the college before the official drop/withdrawal deadline, you will receive a "W" (Withdraw) in each class dropped.

Students often drop courses when help is available that would enable them to continue. I hope that you will discuss your plans with me if you feel the need to withdraw.

Academic Dishonesty:

Students that caught plagiarizing an assignment will be subject to an “F” in the course and possible expulsion from the college.

Academic honesty is expected, and integrity is valued in the Dallas County Community Colleges. Scholastic dishonesty is a violation of the Code of Student Conduct. Scholastic dishonesty includes, but is not limited to, cheating on a test, plagiarism, and collusion. As a college student, you are considered a responsible adult. Your enrollment indicates acceptance of the DCCCD Code of Student Conduct published in the DCCCD Catalog. More information is available at https://www1.dcccd.edu/catalog/ss/code.cfm.

Institution Policies: Please visit http://www.mountainviewcollege.edu/Academics/Documents/Institutional%20Policies.pdf for a complete list of institutional policies (Stop Before You Drop; Withdrawal Policy; Repeating a Course; Financial Aid; Academic Dishonesty; Americans with Disabilities Act Statement; Religious Holidays; and Campus Emergency Operation Plan and Contingency Plan.).