

DFTG 2440 – Solid Modeling/Design**(2-4) 4 credit hours****INSTRUCTOR: Jim McPherson****OFFICE: ET ROOM 101****PHONE: (Work) – 335-6309****PHONE: (Home) – 520-5428****E-mail (Office): jmcperson@odessa.edu****E-mail(personal): magic.mac@suddenlink.net****OFFICE HOURS: M-W 10:00 a.m. -12:00 5:00 – 6:00 p.m.****T-TH 11:00 a.m. -12:00 1:00 – 2:00 p.m.****F By appointment only****OBJECTIVES OF THE COURSE:**

- A. Learn the command syntax of the 3D Modeling Program by producing 3D Models**
- B. Produce 3D Assembly drawings for Presentation**
- C. Produce 3D Drawing with animation**
- D. Produce 2D drawings from 3D Models**

INSTRUCTIONAL MATERIALS:

- A. Textbooks: Engineering Design & Graphics with Autodesk Inventor 2011
Pearson, ISBN 978-0-13-159225-4**

Introduction to Solid Modeling Using SolidWorks 2010**McGraw Hill, Howard ISBN 978-0-07-337532-8**

GRADING PROCEDURES: As this course will be composed of students taking either both or only one portion, a different grading procedure will be followed.

For students taking only one eight week section the following method will be used to determine your standing.

Drawing Average – 50%

Test Average – 25%

Final – 25%

For students taking class for the entire semester, you will be taking two finals...sorry about that. You will take one final exam for the Inventor program, and one for the SolidWorks program. You will receive a grade from each section using the formula above. The two grades will then be averaged together to determine your final grade for the class.

Prerequisites: DFTG 1405, DFTG 1409 or Instructors Permission

I guarantee that sometime during this semester a question will be asked to which I do not know the correct answer. When this does happen, I will either A) Find out myself, or B) Ask you to see if you can find the answer. If I ask you to find the answer and you do, I will probably give a few extra points to you somewhere down the road.

ATTENDANCE POLICY :

Student attendance at EVERY class is expected. You should understand that each absence will adversely affect your grade. Please see the instructor regarding anticipated absences or conflicts due to college sponsored activities.

ACADEMIC ETHICS POLICY :

Each student is expected to do their own work on the assignments, and take tests without notes or outside assistance. If unethical behavior is detected, by Odessa College Policy, all parties involved will be denied credit for the project or test. At the instructor's discretion, the student(s) may be dropped from the class. A report will be made to the department chairman for further action as deemed necessary by the department chair.

SPECIAL NEEDS:

Odessa College complies with Section 504 of the Vocational Rehabilitation Act of 1973 and the Americans with Disabilities Act of 1990. If you have any special needs or issues pertaining to your access to and participation in this or any other class at Odessa College, please feel free to contact me to discuss your concerns. You may also call the Office of Disability services at 432- 335-6861 to request assistance and accommodations.

IMPORTANT NOTES :

- 1. It is the policy of this instructor to help you complete this course. If you believe that you cannot complete this class due to medical, family, financial, social, job related or other problems or conflicts, you should see your instructor to discuss your options PRIOR TO THE FINAL DROP DATE.**
- 2. Make-up work is allowed only for absences due to college-sponsored activities. Exceptions to this policy may be granted at the discretion of the instructor.**