

Advanced Technology Applications – 8601900 - Class Syllabus

Syllabus 2011 - 2012

Instructors: Richard Platt Room 707 Ext: 2382

Introduction:

This course is a more advanced than the 3rd year course Engineering Technology 3. This course is the culmination of their previous 3 years in Engineering. Students will focus on sketching, designing and manufacturing real world products. They will design and build several projects using 3D modeling and traditional fabrication and also Computer Aided Manufacturing processes. Additionally, students will learn how to create collaterals for marketing their projects. Additionally, students will build a portfolio web site internal at school. This site can be later loaded to personal web site hosting company of their choice.

Students will be prepared to take any remaining Adobe Industry certifications they have not passed. Most importantly students will be prepared and take the test for the SolidWorks Certified Associates CSWA certification.

Students will need the following supplies for this course.

1. A white with transparency cover three ring (2") notebook.
2. Sheet protectors
3. One small bottle of Wood Glue (tightbond or elmers wood glue)
4. Standard ruler with Imperial and Metric units (Drafting kit from Engineering Tech 1 class will work)
5. Thumb Drive Memory Stick
6. Package of 100 grit sand paper

** Students will build a storage box for the above and below items. Please wait until their storage box is built before bringing in the items below.

7. Small tape measure (recommend the WorkForce 12' from Home depot)
8. Inexpensive Calipers (Harbor Freight is a good source and dual formats Imperial and Metric Units)
9. Standard and Phillips screw drivers
10. Pliers
11. Inexpensive Safety Glasses

Please do not spend a lot of money on the calipers and bring a small tape measure. Used tools are great and having one's own tools will greatly speed up work on projects in class. Have student put their name on all tools and keep them with them until their storage box is complete.

Grading:

Letter grading will follow the Manatee County Guidelines.

A: 90 - 100% B: 80 - 89% C: 70-79% D: 60-69% F: 0-59%

All Work is important. **PROJECTS** will count more than essential questions, vocabulary and homework assignments.

If your student has problems with getting these supplies and or you would like to donate tools, new or used please contact teacher in private.