MET 132 MET Computer Aided Drafting 2 Course Syllabus

Instructor: Dr. Mike DeVore, PhD, PE

Texts: 1) Parametric Modelling with SolidWorks 2015, SDC Publications, Randy H. Shih, 2015 2) NX 10 for Designers, CADCIM Technologies, Sham Tickoo, 2013,

A continuation of MET 131. Topics include: 3D modeling, geometric dimensioning and tolerancing, and creating assembly models. Prerequisites: MET 131

Grading Process: There will be daily drawing assignments (60% of your grade), four tests (30% of your grade) and attendance and class participation (10% of your grade).

- -Late Assignments: Students are allowed 2 late assignments per term, but they will be penalized by 10% per day, any additional late assignments will receive a zero.
- -No test make-ups without prior arrangement before the absence.
- -Efficient Use of Class Time: Students will not be permitted to use the computers for gaming, watching videos/TV/movies, or using social media during scheduled class times. Students who violate this rule will have their final grade reduced according.

Grade Scale: A: 90-100, B: 80-89, C: 70-79, D: 60-69, F: **Below 60**

Topic
Review of 3D modelling. Introduction to SolidWorks
Geometric construction, features, constraints, extrusion process
Part modelling – basic models
Part modelling – basic models, Exam #1
Advanced part modelling, creating and annotating drawings
Advanced part modelling
Advanced part modelling, Exam #2
Assembly modelling
Assembly modelling
Geometric Dimensioning & Tolerancing
Geometric Dimensioning & Tolerancing, Exam #3
NX: Basic modelling
NX: Advanced modelling/drawings
NX: Assembly modelling/drawings
NX: Finish drawings, Exam #4

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