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**

Week	Topic
1	Review of 3D modelling. Introduction to SolidWorks
2	Geometric construction, features, constraints, extrusion process
3	Part modelling – basic models
4	Part modelling – basic models, Exam #1
5	Advanced part modelling, creating and annotating drawings
6	Advanced part modelling
7	Advanced part modelling, Exam #2
8	Assembly modelling
9	Assembly modelling
10	Geometric Dimensioning & Tolerancing
11	Geometric Dimensioning & Tolerancing, Exam #3
12	NX: Basic modelling
13	NX: Advanced modelling/drawings
14	NX: Assembly modelling/drawings
15	NX: Finish drawings, Exam #4

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