

Syllabus: Solidworks Project Group

Spring 2017

How to download solidworks

Currently, the easiest way to download solidworks through OSU is to send an email request to Mike Hoffmann (hoffmann.2@osu.edu). Tell him you need Solidworks for a class you are taking here and have no other way to download it. He will send an email with instructions and a key to download Solidworks.

Course Learning Objectives

To become familiar and confident with Solidworks as a program and be capable of using most of the basic functions well. Also, to gain familiarity with 3D printing and to learn how to print objects made in Solidworks.

Expectations

Be respectful, show up on time, and participate when needed. Also to complete any homework and projects assigned.

Point System

Attendance: Maximum of 3 points each day we meet

Assignments: Maximum of 5 points each

Projects: Maximum of 10 points each

Final Project: Maximum of 15 points

Course Overview

Week 1: Introduction

-Homework 1: Download Solidworks

Week 2: Extrusion

-Homework 2: Create and extrude three shapes and cut a different shaped hole through each of them

Week 3: Constraint Based Modeling

Week 4: Fully Defining Sketches

-Homework 3: Create 2 fully defined sketches

Week 5: Assemblies

-Homework 4: Think of ideas for a project

Week 6: Modeling Constraints

-Homework 5: Finish creating and defining toy car

Week 7: Working With Circles

-hole wizard,revolved boss/base, circular pattern

Week 8: Project

-Homework 6: Finish project if not done

Week 9: Blocks

Week 10: Dimensioning and Drawings

-Homework 7: Think of final project ideas

Week 11: Begin Final Project

-Homework 8: Work on final project

Week 12: Continue Final Project

-Homework 9: Work on final project

Week 13: Finish / print final project