ME 1403 Engineering Practice & Graphics

Lecture 1

Instructor:

Syed Hasib Akhter Faruqui
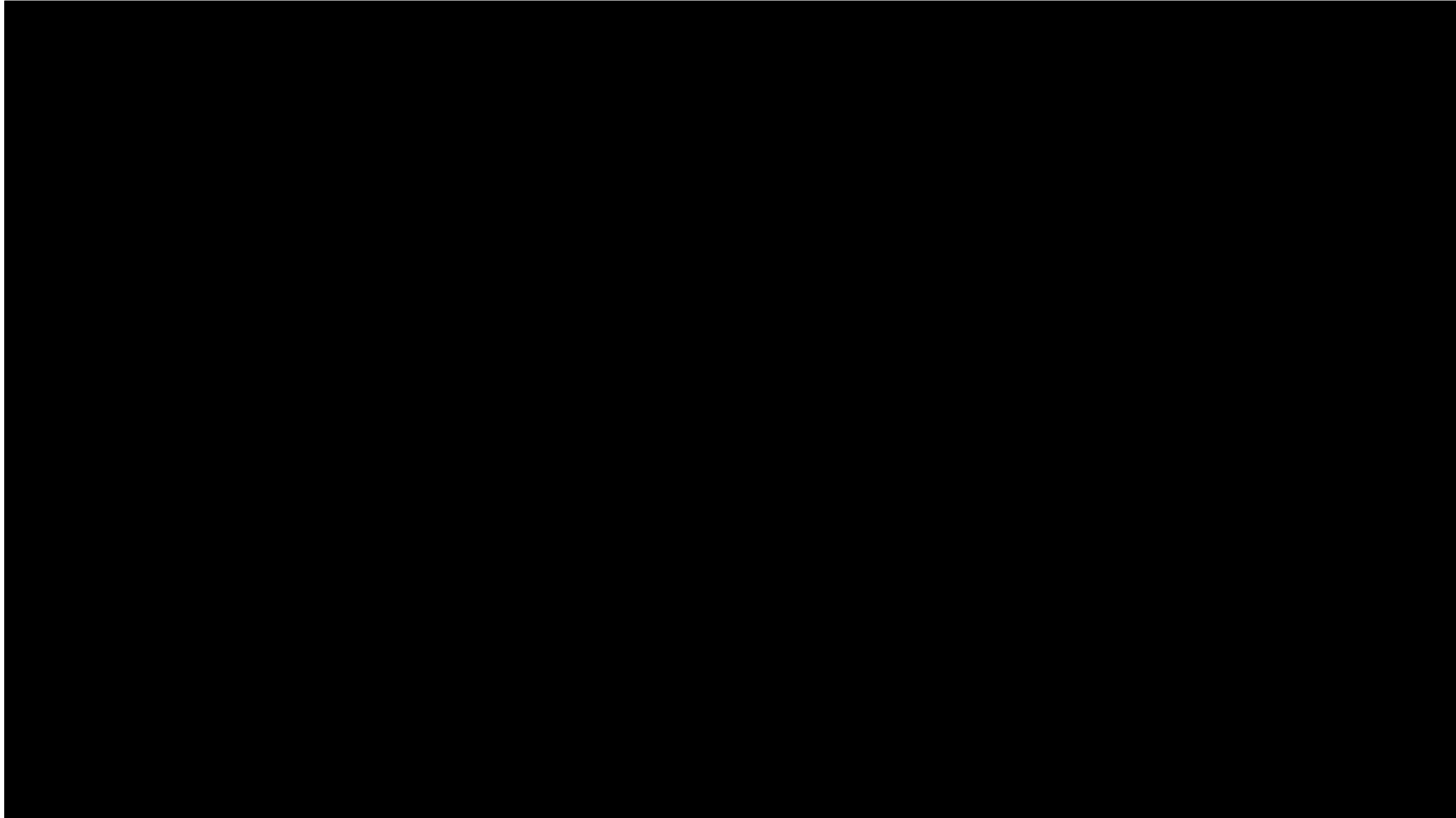
Email: shafnehal@gmail.com

Outline

- Engineering CAD Software's

- What is Solidworks?
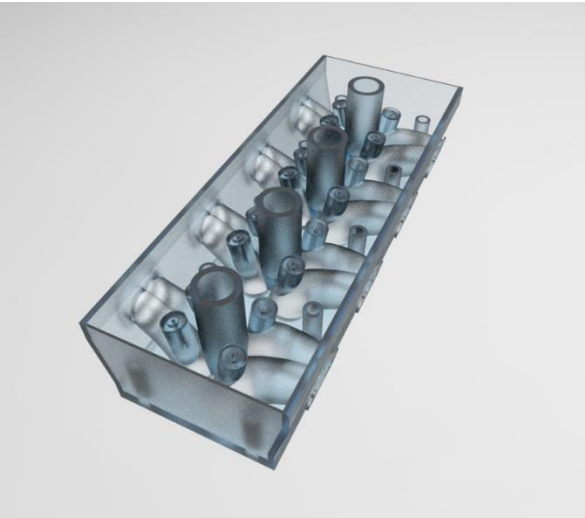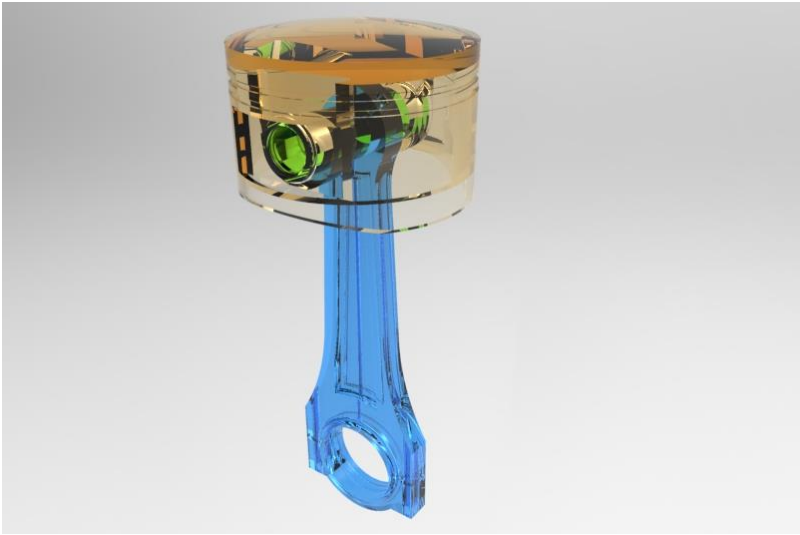
- Text Book

- Rules and Regulations

Engineering CAD Software's

- Top End Market
    - a. CATIA by Dassault Systems
    - b. NX by Siemens PLM

- Mid level Market
    - a. **SolidWork** by Dassault Systems
    - b. SolidEdge by Siemens PLM
    - c. Inventor by Autodesk
    - d. PTC Creo (Pro-E) by PTC
    - e. Rhino
    - d. IronCAD

- Entry Level Market
    - a. AutoCAD
    - b. Google Sketchup Pro
    - c. DraftSight
    - d. SpaceClaim
    - e. Alibre
    - f. FreeCAD

What is Solidworks?

Samples

Recommended Textbook

S. Tickoo, **SolidWorks 2016 for Designers**, 14th ed., 2016, CADCIM Technologies, ISBN: 978-1-942689-18-8.

or

S. Tickoo, **SolidWorks 2017 for Designers**, 15th ed., 2017, CADCIM Technologies, ISBN: 978-1-942689-75-1.

Lectures will be available at the following link

http://www.shafnehal.com/ME1403/fall_2018/lecture_notes

Submission Rules

- Homework's are due **at the Sunday 11.59 P.M.** of the following week (*More Discussion on next class*).

- Quiz's will be taken (*More Discussion on later classes!*).

- Submit everything via **Blackboard**.

- Copying your assignments are **prohibited**. If you do so, you and the individual you copied from will receive a **grade zero**, plus both of you will be referred for actions as described in the university's policy for academic dishonesty. (Read Section 203 of the Student Code of Conduct 2013-2013 UTSA Information Bulletin.)

Submission Rules

- Any submission after deadline **will not be accepted** and thus will receive a **grade of zero**.

- Grading Criteria for Late Submission:
    - Submission on Time   : 100%
    - Submission a week late   : 75%
    - Submission two week late   : 0%

Submission Rules

- Naming Convention for your submission files:
    - *(section)_(your myUTSA id)_(Number/Name of the HomeWork)*

- For Example if your in section, "**L1**", your myUTSA id is, "**abc123**" and You are submitting, "**HW1**". Then your submission file name should be, "**L1_abc123_HW1**"

Emailing Regarding Problems

- Email either
  - through **Blackboard**
  - or at shafnehal@gmail.com

- Email between: *8:00 A.M. to 5:00 P.M.*

- Subject line should follow the below mentioned convention:

  [ME 1403: Engineering Practice & Graphics Fall - 2018]_(Your myUTSA ID)_(Summery of your Issue)

- For Example if your myUTSA id is "**abc123**" and You are emailing regarding problem in "**HW1**". Then your email subject line should be:

  "**[ME 1403: Engineering Practice & Graphics Fall - 2018]_*abc123_HW1 problem***"

- Any email that doesn't follow the above convention will not be responded.

Most Important Rule of the Class

"Ask Questions!"

Solidworks

- You can get access to Solidworks via-
    - Lab Computers
    - myUTSA apps
        - Follow this pdf file.

Practice

- We will do some practices on Next Lecture!