

Animations and Assemblies

ME 170 CADLAB#9 and TEAMPROJ#8

Ben Walt

UIUC

Fall 2022



A reminder:

- Office Hours (MEL 1009):
 - Tuesday Noon-1PM MEL 1009
 - Wednesday 9:30-10:30AM [Zoom](#)
- CADLAB#9
- TEAMPROJ#8

If you have questions on CADLAB, you should plan to visit office hours - email is not an effective way to solve issues with CADLAB problems.



- CADLAB#7
- CADLAB#5 - Photo Submission (Due 10/26 Wednesday)
- CADLAB#8 - Assemblies (Due 10/26 Wednesday)
- CADLAB#9 - Mechanism Design & Animation (Due 11/2 Wednesday) - Last CADLAB!



- TEAMPROJ#6
- TEAMPROJ#7 - 50% CAD Models (Due 10/26 Wednesday)
- TEAMPROJ#8 - Assembly Modeling (Due 11/2 Wednesday)
- TEAMPROJ#9 - Engineering Part Drawings (Due 11/9 Wednesday)
- TEAMPROJ#10 - Engineering Assembly Drawings (Due 11/16 Wednesday)



CADLAB#9: Mechanism Design & Animation



CADLAB#9 Goal

This week's CADLAB you will learn about top down design and make an animation of a simple slider crank. You will need to create an animation as part of your Team Project, so make good use of this practice.

I have no specific advice for the lab.

The work in Inventor is optional, but you might find the experience useful as you move into more advanced classes.



TEAMPROJ#8: Assembly Modeling



This week you will need to finish modeling all of your parts for your Team Project and put them together in an Assembly.

- Make a folder named “Team Project 8” and copy your models from Team Project 6 and 7.
- You will be graded for similar issues as your CADLABs
- If you have not been working ahead on your models, you might find this to be a lot of work for the week. Plan ahead!

You are welcome to modify or replace the drawings from the previous team projects if needed.



This week is the last of the CADLABs.

- Starting next week, I will no longer be taking attendance. It is up to you and your group how you use the time.
- November 8 (Tuesday) is a holiday (Vote if you can!). I will treat all my Monday lab times as open office hours. You are welcome to come (or not come) in no matter your section.
- Fall Break - 11/19 - 11/27
- Project Presentations will be during lab time 11/28 and 11/29
- Final Report is Due 12/9 (Friday)



Details of the Team Project Presentation and Report have been posted on Canvas. Please take a close look at them and ensure you know what is expected of you and the timeline for completion.



- CADLAB#8 is due October 26 at 11:59PM
- CADLAB#5 Pictures are due October 26 at 11:59PM
- CADLAB#9 is due November 2 at 11:59PM
- TEAMPROJ#7 is due October 26 at 11:59PM
- TEAMPROJ#8 is due November 2 at 11:59PM
- No more CADLABs
- Start preparing for TEAMPROJ#8



- Ben Walt - walt@illinois.edu
- Graders:
 - Monday 1-2:50PM (AB1) - Aryan Shroff - aryans4@illinois.edu
 - Monday 3-4:50PM (AB2) - Patrick Li - pyli2@illinois.edu
 - Tuesday 1-2:50PM (AB3) - Nishesh Arora - nishesh2@illinois.edu
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