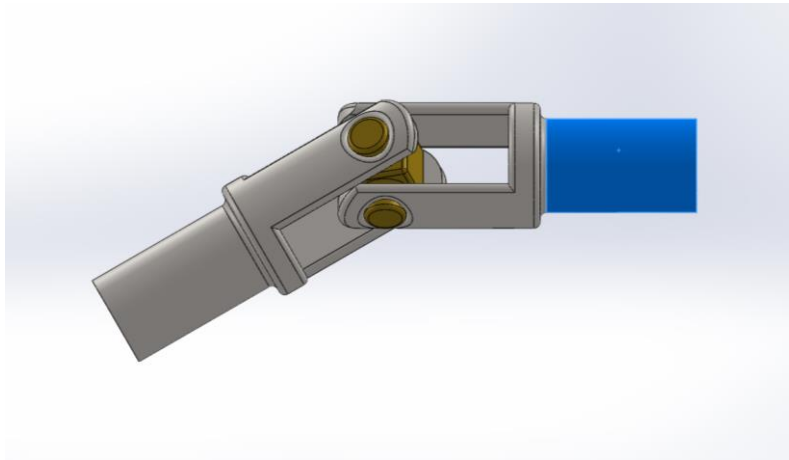# ITP 308: Lab3

Setup

This will be your third lab. You will become familiar with:

- Creating assemblies
- Fully defining assemblies
- Mating components

Requirements

You have been given files to create a universal joint. It consists of two (2) UJointCouples and one (1) UJointPivot part. The assembly looks like the following:

You will have to recreate the assembly and fully define all components of the assembly. The assembly parameters are given in the attached PDF.

Deliverables

Save your assembly file as: **lab3.SLDASM**

Compress the UJointCouple.sldprt, UJointPivot.sldprt, and lab3.sldasm into a single zipped file named: **username_lab3.zip**

Submit your zipped file to Blackboard

Rubric

You will be graded on the following things:

Item	Points

Assembly is correctly oriented	3
The angle limit mate is correct	2
The couples can rotate freely	3
Assembly is fully defined	3
All files submitted correctly	4
Total	15

*Note: Points will be taken off if you use the "Fix" mate