

FabLab Training Design Project

IE 1205

Spring 2017

You will be learning about the DMAIC design process by using it to help improve the training processes at UTA's Fablab. Your first deliverable will be to turn in a Project Charter after the Define step. A template Project Charter can be found on Blackboard. Prior to your group's Project Charter being due, a FabLab expert will come to our class to give you an overview of the FabLab and the current training practices. There will then be time for your group to ask questions of this expert. Remember that an important part of the Define step is to get the Voice of the Customer. This is your chance to do that. So your group should do some research and brainstorming prior to the customer attending class. You will use your research, your trip to the FabLab, and the time you had with the customer to complete the Project Charter.

Your second deliverable will be after the Measure step. You will need to update all of the information previously turned in and also include a metrics plan and a flowchart. The third, and final, deliverable will be due after the Analyze step. You will need to again update your Project Charter and also include an Ishikawa/Fishbone Diagram. You will be getting more specifics about the steps of the DMAIC design process in class throughout the semester.

Your Project Charter will be graded after the Define step in February, after the Measure step in March, and finally after the Analyze step in April. The total assignment is worth 55 points, with the Analyze step grade being that majority of that grade.