

Capstone (Engn 379), Winter 2021

Document 0: Initial Questions about Project Status and Trajectory

1. Where you are in the design process in reference to Figure 1 from Dym/Little/Orwin text? (See next page for figure)
2. What individual design elements require further development?
3. What elements must be integrated to make a final, working prototype?
4. What is the proposed timeframe for completing elements identified in #2 above?
5. What is the proposed timeframe for completing design integration per #3 above?
6. Given your answer to #2 and 3 above, what do you propose all the optimal way to “divide to and conquer” on project work? That is, what subteams would you propose; identify potential team members.
7. What *specific* testing/analysis procedures will you use to assess design performance of both individual elements AND of the final working prototype?
8. How will you know where you have reached a “good” stopping point for the final design based on engineering criteria (not “Shoot, it’s April so we’re outta time!”)
9. What are the biggest technical challenges you foresee developing your final design solution?
10. What is the plan to maintain strong lines of communication withing and between sub-teams?

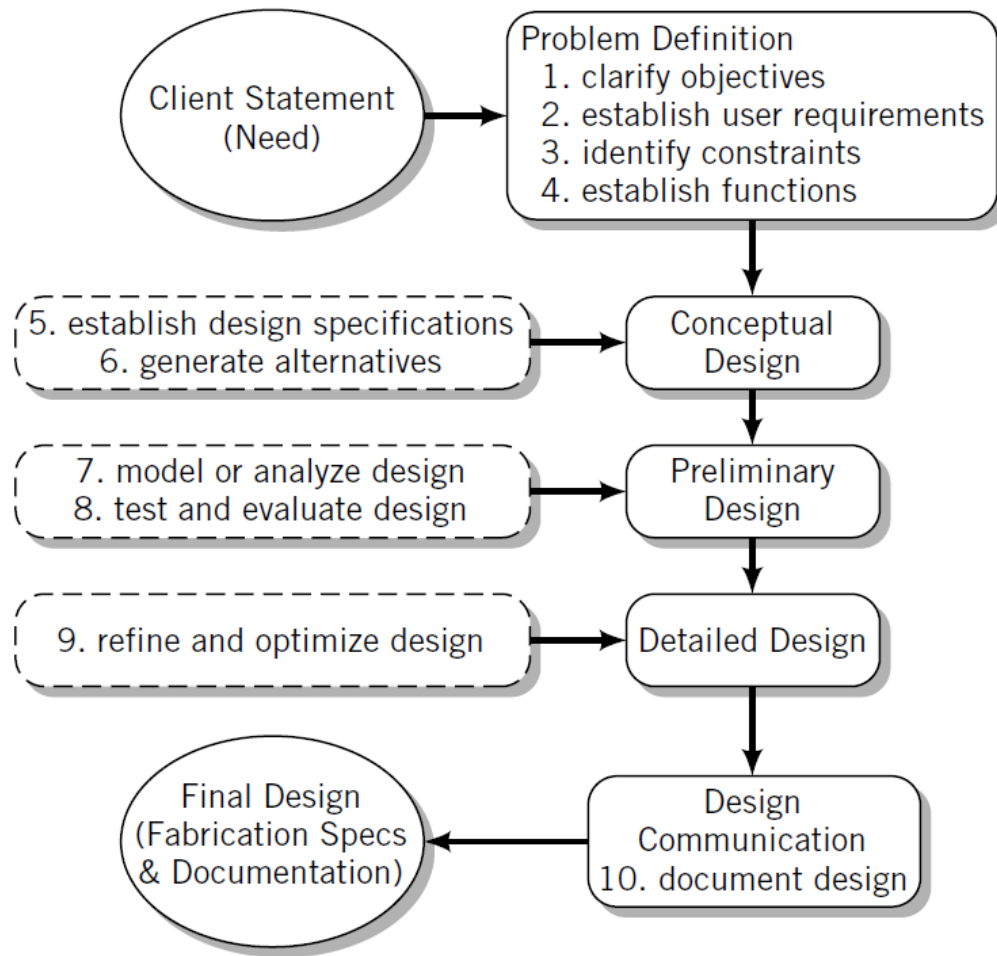


FIGURE 2.03

Figure 1: Engineering Design Life Cycle. Image credit: Dym, Little, and Orwin text.