

Engineering Skills 640253
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Mechatronics Engineering Department
Philadelphia University
2nd Semester 2018/2019

Project Policy

Students are required to apply the Engineering Design steps on a project during the course. A team of three students will be asked to choose a system, apply the engineering Design steps on it, and submit a technical report as studied in the ES class.

The project will be divided into Five phases. The phases and their due dates are given below:

Phase	Tasks	Due date
1.	Define the problem and formulate the problem Statement then Gather Information	16.04.2019
2.	Propose Solutions and give the pros and cons of each solution along with the Solutions Study and analysis	23.04.2019
3.	Analyze and design (give all required issues necessary for the design and discuss the simulation results)	28.04.2019
4.	If possible implement a prototype and evaluate the performance (this is not a most, but can enforce the work)	07.05.2019
5.	Final Report (in case needed a Template can be downloaded by the students from Dr. Tarek's webpage "Report template")	14.05.2019

After the submission of the Final Report, project discussion will take place in the class to evaluate the presentation skills studied.

Important: All groups has to submit an electronic version which will be checked for similarity. Please avoid to copy and paste use your own language in writing.