**Cal Poly Pomona Electrical & Computer Eng.**

**EGR 4810 Project Design Principles and Applications**

**Attendance Questionnaire 3**

**Project management and teamwork**

Note that these questions help evaluate that you have attended the class by watching the lecture recording.

The lecture recording is a synchronous session from last semester. You can skip the first 5-minute introduction and after about half, an hour where the lecture ended and we talked about presentation and polling.

Hope you enjoy the lecture!

* What do we follow religiously in this course
  + Textbook: Design Concepts for Engineers Fifth Edition
* What 3 disciplines has the instructor touched on in industry
  + Developing engineer
  + Design manager
  + Program manager
* What 3 aspects of a team does every team member need to be aware of
  + Responsibilities
  + Strategies
  + End goals
* What organizational structure do most teams favor till they get big
  + Flat hierarchy
* What type of program management does not welcome changes
  + Waterfall
* What has changed about engineering programs that has made agile-scrum very popular
  + Software development became prominent
* What type area of responsibility has the instructor mainly worked in industry, research, marketing, development or manufacturing
  + Development
* What chip manufacturing research improvement can result in a new generation of designs and products
  + New chip physical properties that allow implementation of things that cannot be implemented before because its faster or smaller or less power consumption
* What has changed the landscape of engineering in the instructors lifetime
  + Globalization and automation
* Automation has reduced a month’s task 30 year ago to how long nowadays in the instructor’s experience
  + A day or a week
* Why would it not be good to give engineers as much time as they want to complete a job?
  + Engineers tends to be perfectionists and will spend all their time creating perfection which is not the world need
* A timeline can be described as what?
  + A list of milestones
* How does a PERT differ from a Gant chart
  + PERT have dependencies
* Why is documentation important even for a single engineer working on a standalone project
  + To keep track on what was already tried/done
* Who does a patent belong to
  + Inventor