

Group Presentation Project: Engineering Disciplines

Due: _____

Requirements & Assignment Description

Objective: Using a variety of resources, your group is required to create a powerpoint presentation or prezi on the different engineering disciplines. Your group will then present on 1 or 2 of the engineering disciplines in a 5-7 minute presentation (the discipline(s) your group will present on will be assigned by me).

Guidelines

1. First step is to research information
2. Prepare an outline of the Presentation (it is very helpful, especially if you assign the time and/or number of slides for each subject!)
3. Prepare slides
4. Oral Presentation will be graded as:
 - 1) Actual Presentation: way each one of you present it
 - 2) Slides
 - 3) List of References cited in the last slide

List of Engineering Disciplines

- 1) Aerospace
- 2) Biomedical
- 3) Chemical
- 4) Civil
- 5) Manufacturing
- 6) Materials Science
- 7) Electrical & Computer
- 8) Industrial and Systems
- 9) Mechanical
- 10) Nuclear
- 11) Environmental

Your presentation should include the following information for each discipline:

1. Industries served by the discipline
2. Common job titles, descriptions
3. Nearby colleges/schools that have that program
4. The current job market and salary averages
5. Professional societies related to this discipline
6. A recent/current example of a project completed by an engineer in the field (could be anything that stands out to you)
7. Things you learned you did not know before
8. Last slide should account for all the references you used as source of information.

When conducting your research, keep in mind that a final reference list is due with your presentation and therefore your group should save information on all references you may use in the final presentation and/or handout (even engineers you speak to for information about the discipline). You must use at least five references for your presentation

Reference format that you should follow:

APA Format: <http://www.easybib.com/guides/citation-guides/apa-format/>

Some places to start researching:

Written Resources

- Web
- Technical Journals
- Books
- Magazines

Some Websites for reference:

- What Engineers Do: http://www.discoverengineering.org/eweek/about_eng.htm
- Career Profiles: <http://www.graduatingengineer.com/careerprofiles/index.html>

General Tips for Using PowerPoint Effectively

- Minimize the number of words on text slides
- Avoid making graphs too complex
- Use a consistent background, font, and bulleting scheme
- Be creative when designing your slides, but avoid being too creative. The design must not detract from your message

Oral Presentation

- The actual presentation should last 5-7 minutes in total
- The presentation must be very formal as in front of an audience you have never seen before (I will grade your professionalism).
- The first slide should have the title, date, course and all names of the people in the group.
- At the beginning of the talk, each member should introduce him/her self (first and last name).
- During the presentation every speaker should re-introduce the next speaker just by first name.
- While presenting always look at the audience, not at the slides.
- You should practice, practice, practice! Write notes on a piece of paper that you can peek at for help.
- Everyone in the group must present some portion of the material, or points will be taken off. You are required to use PowerPoint or Prezi to make your presentation.
- Grading of the final presentation will be based on creativity, content, organization, accuracy, usefulness, clarity of slides and talk, flow, understandability, and enthusiasm. Each one of you will influence the final grade on the presentation!

Your group members names:
