



Seminar
AGE 4540
Introduction

Prof. Abdelouahab Bentrchia
College of Applied Engineering at Muzahmiah,
King Saud University



Introduction



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- **Objectives**
- **Structure of the course**
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- **Final remarks**

Instructor Information



- **Instructor: Prof. Abdelouahab Bentrchia**
- **OFFICE:** S111
- **Email:** abentrchia@ksu.edu.sa
- **Website:** <https://fac.ksu.edu.sa/abentrchia>
- **Class Timings:** see time table on my website or on the office door.
- **Office Hours:** see time table on my website or on the office door

Course Information



- **Textbook:** Arvid R. Eide, Roland Jenison, Larry L. Northup, and Steven Mickelson, “Engineering Foundations and Problem Solving”, 5th Edition, McGraw Hill, 2008.
- **Pre-requisite:** None

References:

- Mark T. Holtzapple, and W. dan Reece, "Concepts in Engineering", 2nd Edition, McGraw Hill, 2008.
- Arvid R. Eide, Roland Jenison, Lane H. Mashaw, and Larry L. Northup, “Introduction to Engineering Design and Problem Solving”, 2nd Edition, McGraw Hill, 2002.
- **Credit hours:** 1(0,0,2) hours

Course Information



Grading Criteria:

- **20%:** Class attendance (10%) + performance & participation in class (5%) + peer evaluation (5%).
- **5%** Outline of the report
- **10%** Progress report
- **10%** Progress report presentation
- **15%** Final report
- **40%** Final presentation

Objectives



1. Develop practical communication skills.
2. Develop seminar skills.
3. Differentiate between different types of research in the field of engineering.
4. Develop skills of analysis and criticism to evaluate researches and design research plans.
5. Get in touch with local industrial leaders.

Structure of the course



Lectures

First four lectures given by Instructor

Rest of lectures given by students (presentations)

Seminar project

3rd week: submission of three engineering topics (by each group)

5th week: Outline of the report

8th week: Progress report
8th week: progress report presentation

13th week: Final Report
15rd week: Final Presentation

Structure of the course

Lectures

peer evaluation (5%)

Class attendance (10%) +
performance &
participation in class (5%)

Seminar project

5th week: Outline of the report (5%)

8th week: Progress report (10%)

8th week: progress report
presentation (10%)

13th week: Final Report (15%)

15th week: Final Presentation (40%)

Structure of the course



Lectures:

- All student groups have to give one presentation as a lecture to their colleagues. They can deliver either:
 1. Their graduation/Coop project presentation or
 2. Another presentation of their choice (engineering topic).
- They have to prepare their presentation according to the guidelines provided in this seminar and present it here in the lecture and get evaluated by their peers (colleagues).

Structure of the course



Seminar project:

- On the 3rd week, each group of students has to select a list of three engineering topics and submit it to me and then I will choose one topic on which they have to work.
- On the 5th week, the outline (5%) of the report should be submitted.

Structure of the course



Seminar project:

- On the 8th week, the progress reports should be submitted.
- On the 8th week, the midterm (progress presentation) will be conducted.
- On the 13th week, the final report should be submitted.
- On the 15th week, the final (final presentation) will be conducted.

Structure of the course



Week	Topics to be covered
1 (-----)	-----
2 (-----)	Introductory meeting
3 (-----)	How to write an engineering report + selecting a topic for each group
4 (-----)	How to write an engineering report + selecting a topic for each group
5 (-----)	How to prepare and give a presentation
6 (-----)	presentations of students1 + project outline submission
7 (-----)	presentations of students2
8 (-----)	presentations of students3
9 (-----)	midterm presentations (10min+5min questions)+progress report submission
10 (-----)	presentations of students4
11 (-----)	presentations of students5
12 (-----)	presentations of students6+ final report submission
13 (-----)	presentations of students7
14 (-----)	Final presentations (15min + 5min questions)

Final remarks



Final remarks:

- All reports, presentations, should be submitted to me via LMS. Submissions via email will not be considered.
- Class attendance is important (10%)
- Asking questions to your colleagues during their presentations is also important (5%).
- Peer evaluation should be serious (5%).

Final remarks



Final remarks:

- Plagiarism is not permitted, the more you copy and paste the more marks you lose.
- In the worst case, if your report is copy and paste of another report in the internet, you will get an “F” in this course (remember, this is your last semester, do not force me to give you “F”, you don’t worth it).
- Presentations should be delivered in English
- Reports should be written in English.