King Fahd University of Petroleum & Minerals

College of Design and Built Environment
Civil and Environmental Engineering Department

CE-411-Senior Design Project

Term: 2--

Name of students and KFUPM ID Numbers:
1. _____
2. _____
3. _____
4. _____

Name of Advisor(s): _____

Title of Project: _____

_____
_____

Team Work (role of each student)

1. _____
2. _____
3. _____
4. _____

Software Used:
_____

Design Codes:
Design Constraints:
_____

Multi-Disciplinary Areas:
_____
_____
_____

FINAL REPORT OUTLINE

FINAL REPORT CONTENTS

1. Title page that should include Project Title, List of Team Members, Senior Project Advisor(s), Examiners, and Date of Submission.

2. Executive summary:
    *   Includes a brief description of the objectives of the project
    *   Cites the main constraints (design, economics, safety, environment)
    *   Includes main findings of design results, and other analysis.

3. Acknowledgement

4. Table of Contents

5. List of Figures

6. List of Tables

7. Introduction:
    *   Explain the project and its location.

8. Project statement
    *   Clear description of the project objectives.
    *   Cites overall design constraints, economic constraints, safety, and environmental constraints.

9. Manual calculations.
    *   Assumptions and basis, rates, and so on.
    *   Clearly state the desired unknown variables. Hand calculations are required.
    *   Computer applications are also required with details described in the appendix.
    *   Comments and discussion of the overall results.
    *   Comparison between hand and computer calculations is encouraged.

10. Detailed Design
    *   Detailed design of at least 1 unit per student.
    *   Summary of design results.
    *   Discussion of design results.

FINAL REPORT FORMAT

Typing Specifications

- Page Format – Line Spacing: one and half spacing

  - Font Size: 12 point for the body text, maximum of 14 point (Bold) for section headings
  - Left/Right Margins: 2.54 cm
  - Top/Bottom Margins: 2.54 cm

- Page Limit – The page limit for the report is 60 (Others should be in the Appendices).

  - There is no page limit to Appendices.
  - Title Page: The Title of the project, followed by names of team members, the Advisors, Coordinators, Department, Fall/Spring AY 211x – 222x, and date of submission.

Units
- Units of all quantities must always be mentioned, e.g., 5 kg, etc
- Use the same unit system throughout the report (SI units, with British units in parenthesis)

Figures, Tables, and References
- All figures, tables, and graphics should be inserted close to where they are described and numbered. A list of figures and tables is also required.
- Figure captions should be directly below the figures.
- Table captions should be above the Tables.
- References: A list of references must be provided at the end of the report and arranged in the order of citation in the text. All references should be cited in the text.
- The number of the reference citation is to be reported consecutively in square brackets.
- The references must be complete and precise, e.g., name of the author (Book, Encyclopedia); title, volume, page number, year month, editor, and electronic address.

Calculations
- All calculations must be hand calculated, detailed, explained, and referred to figures and illustration whenever necessary with proper units.
- Software Packages can be used in addition to hand calculations but must not replace hand calculations.
- All symbols must be defined in nomenclature at the beginning of the report.
- All equations must be numbered and typed using equation editor with 12'' size and Times New Roman Italic type