

**GE 106 INTRODUCTION TO ENGINEERING DESIGN**  
**Timetable for Lectures and Studios (2<sup>nd</sup> Semester 1442H/2021G)**

<i>Week</i>	<i>Lecture(50mn)</i>
1	<b>First Contact</b>
2	<b>1. Course Introduction</b>
3	<b>2. An Overview of Engineering Design</b>
4	<b>3. The Engineering Profession</b>
5	<b>4. Engineering functional jobs</b>
6	<b>5. Need Analysis and problem definition</b>
7	<b>6. Human Factors</b>
8	<b>7. Problem Formulation</b>
9	<b>8. Creativity : Thinking Outside the box</b>
10	<b>9. Creativity in Engineering Design</b>
11	<b>10. Concept generation and Design evaluation</b>
12	<b>11. Intellectual Property – Legal Factors</b>
13	<b>12. Engineering Ethics</b>
14	<b>Project Presentation (Exam): (Last week before exams)</b>
15	<b>Report and portfolio evaluation</b>
16	<b>Final Exam.</b>

**Grading:**

1. Final exam (40%),
2. Classwork (15%),
3. Tutorial (10%),
4. Project (report: 10%, presentation: 15%, poster: 5%, logbook: 5%)

**Duties:**

Presentations for the project progress  
 Draft report after each of the three project phases  
 Weekly possible random evaluation of logbooks, quizzes and assignments.