

[ENMG601] – [Fall/2018]

Instructor: Dr Fadl Bdeir

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Office Hours: TBA

Overview of the Course

As the applied sciences domains take on continuous advancement in areas related to automation, applications software development, and specifically ICT related high technologies, the issue of managing these technologies has become more complex and requires a well contemplated in-depth academic program. Thus, engineers are exposed in their professional careers to situations and positions where they need to apply managerial skills and show high acquaintance and understanding of organizational behaviors.

Credit Hours

3 credit hours

Delivery Format

State in a paragraph how this course will be delivered Web-enhanced. All the lectures will be face to face in room Bechtel 211. The online Moodle will be used to post readings and assignments.

Course Prerequisites

- None

Course Objectives

This course introduces the basic topics necessary for successfully meeting the managerial challenges in engineering context. During the course sessions, issues related to managing organizations will be introduced, thus the course will follow modular lectures type. Each lecture will discuss a specific issue, define the key constituents, and highlight the main elements related to its application best practices and pitfalls.

The students are expected to dynamically participate in the class discussions which

will be conducted in group-to-group format. To insure the transfer of knowledge and the development of these managerial skills; workshop exercises, real cases, scenario plays, and case studies will be employed throughout class sessions.

Topics Covered

The course will focus on the following main topics:

1. Management History & Theories	2. Organizations Dynamics & Design
3. Main Functions of Managers / Leaders	4. Problem Solving & Decision Making
5. Intro to Strategic Management	6. Major Models / Techniques of Motivation
7. The Negotiation Process	8. Culture & Ethics Effect on Organizations
9. Human Resources Management	10. Risk and Crisis Management
11. Managers and Use of Technology	12. Basics of Administrative Reform

Texts and Supplementary Materials

Required Text

- None.
- Lecturer will be providing ppts, handouts and articles

Grading Policy

The grades in this class break down as follows:

- Individual reading assignments (3 off) : 30%
- Group Case Study (report + In-Class Presentation) 25%
- Group Term paper: 15%
- Individual Term paper: 15%
- Class participation: 15%

Description of Course Requirements (assessments)

Knowledge Checks

You will take quizzes (Knowledge checks) throughout the semester, all delivered via Moodle. These quizzes include multiple-choice questions and essay writing. The quiz content will be largely based on lectures and readings.

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Group Project

There will be one group project. Grading of this project will be on an “all or nothing” basis. The project will be a “brief” of a case or current event that relates to the chapters covered in the textbook. Your submission should be typed, single-spaced, with 1-inch margins and a 12-pt. font.

Make-up Policy

Homework, assignments and projects submitted within 24 hours after the deadline will incur a 15% deduction. No submission will be permitted after 24 hours of the deadline and the relevant assignment will earn zero grade. This policy is non-negotiable. It is the student’s responsibility to keep track of submission deadlines.