

Course Title: MGT 301 Principle of Operations Management

Term: Summer 2023

Instructor: TBA

Course Credit: 3

Mode of Instruction: Online

Course Description:

Students become competent with terminology and concepts of operations, supply chain, and process management. The course explores impacts of operations management decisions on other areas of operations and all other business functions. Students are challenged to apply critical thinking skills and quantitative models in forecasting, project management, inventory control and statistical process control to generate solutions to operations management problems.

Course Prerequisites:

N/A

Learning Outcomes:

By the end of the course, the student should be able to:

- A. Recognize and apply the terminology and concepts of operations management;
- B. Understand the various production and operations design decisions and how they relate to the overall strategies of organizations;
- C. Recognize and apply different tools and techniques available to managers for directing operations of a business or department;
- D. Analyze a range of operations decision situations and apply the appropriate decisionmaking concepts and techniques.

Course Material:

R. Dan Reid & Nada R. Sanders, *Operations Management: An Integrated Approach*, 4th Edition, John Wiley & Sons, Inc., 2011.

Evaluation:

- 2 Exercise [20%]
- 2 Essays [20%]
- Mid-term Exam [25%]
- Final Exam [35%]

Description of the Evaluation tasks:

Assignment/ Essay/ ... : During the term, students will be required to finish several evaluation tasks within due date. All the tasks are linked with specific course topics/outcomes and will adequately assess students' competence and learning outcomes. Students are encouraged to meet with instructor about these tasks at any point.

Mid-term/ Final Exams/ Quiz/... : There may be periodic quizzes given at the beginning of lecture sessions; the feedback from these quizzes will monitor the progress of the learners and help to set learning priorities. There will be mid-term exam/ final exam for the course. They are the basic criteria for the evaluation of students' learning outcomes and final grade.

Grading Policy:

Students are supposed to finish each online lecture. Prior to each class, students should finish the required readings. During the class time, students are encouraged to make use of all relevant online course resources and communicate with the instructor. Students' grades are accumulated based on the cumulative evaluations.

Students' letter grade will be assigned according to the following scale:

A+ 90-100	A 85-89	A- 80-84
B+ 77-79	B 73-76	B- 70-72
C+ 67-69	C 63-66	C- 60-62
D+ 57-59	D 53-56	D- 50-52
F < 50		

Academic Integrity:

Students must strictly adhere to the university's academic integrity rule; and all essays, exams and any other form of academic assignments must adhere to these rules. Any form of plagiarism, cheating, or misappropriation of materials will be considered a violation of academic integrity and will be punishable by the university.

Withdrawal from the Course(s):

Students will be able to apply for a transfer or withdrawal within 3 days of the starting date of the course. If a withdrawal is applied for within 3 working days, the tuition fee will be fully refunded. After 3 days, the tuition fee will not be refunded. If a withdrawal is applied for in the first two weeks, it will be recorded as W (Withdraw) on the course transcript. After this initial two-week period, the class will be recorded as F (Fail).

Tentative Schedule:

1	Introduction to Operations Management
2	Operations Strategy and Competitiveness
3	Product Design and Process Selection
4	Supply Chain Management

5	Total Quality Management Exercise 1
6	Statistical Quality Control
7	Just-in-Time and Lean Systems
8	Forecasting
9	Capacity Planning
10	Facility Layout Quiz 1
11	Facility Location
12	Work System Design
13	Inventory Management
14	Midterm Test
15	Aggregate Planning Exercise 2
16	Aggregate Planning (Cont.)
17	Resource Planning
18	Resource Planning (Cont.)
19	Scheduling
20	Project Management Quiz 2
21	Project Management (Cont.)
22	Project Monitoring
23	Strategic Excellence in Project Management
24	Final Exam Reviews
25	Final Exam