Antalya Bilim University
School of Business and Social Sciences
Business Administration Department
Operations Management Course Syllabus, BUSI 341

Course Objectives: *The purpose of this course is to introduce the students to production and operations management. Students will learn to identify and solve the main problems associated with operations, production, and services management. Students will learn the systems approach to viewing problems. Supply chain management will also be introduced. The students will gain an appreciation of the importance of operations and how it provides competitive advantage.*
software.

Course Description: *Operations management is about the use of managerial methods to transform resources such as raw material, labour, equipment, and facilities into finished products or services. Students will understand the essential nature of operations management in creating value and achieving competitive advantage. This course is about planning, leading, organizing, operating, improving and controlling productive processes for efficiency, effectiveness, and quality. Students will become familiar with the analytic tools used to solve operations management problems.*
Topics include operations and productivity, project management, forecasting, decision analysis, supply chain management and inventory management.

Software: *QM for windows, Excel QM and Excel Spreadsheets (solver Add-İns)*

Textbook:
- *Heizer J., B. Render, and C. Munson,* **Operations Management**, *12th. ed., Pearson Education, 2017.*
- *Render Barry, Ralph M. Stair Jr., Michael E. Hanna and T. S. Hale, Quantitative Analysis for management, 12th ed., Pearson Education 2015.*

Reference:
- *Taylor B. W., Introduction to Management Science, 12th.ed., Pearson Education, 2016.*

Developing Graduate Attributes
Students will be encouraged to develop the following graduate attributes by undertaking the course activities and mastering the course contents. These attributes will be assessed within the assessment tasks:
- *skills involved in scholarly enquiry;*
- *an in-depth engagement with the relevant disciplinary knowledge;*
- *the capacity for analytical and critical thinking;*
- *the ability to engage in independent and reflective learning.*

Academic Honesty
Any form of cheating or academic dishonesty is strictly forbidden in this class. If I find out that an exam turned into me is not the work of the sole person that has his/her name at the top of the page, I will issue a zero grade for the course, and the student may be subject to further disciplinary action.
Assessment Criteria:

- **Participation (20%)**: *attendance on time; cases presentations; homeworks*.
   Students are required to exhibit proper discipline, behavior, and responsibility.
- **Midterm (30%):** *Students are responsible for all class material covered until the midterm exam.*

- ***Quiz (10%):*** *2 Quizzes each 5%*
- ***Final exam (40%):*** *The exam is cumulative and will focus on all units and topics studied throughout the course, but emphasis will be after midterm.*

Course outlines	
Week	*Topic*
1	*Introduction to Operations Management OM, what is OM*
2	*Ch1: Operations and Productivity*
3	*Ch1: Operations and Productivity*
4	*Ch3: Project Management*
5	*Project Management*
6	*Project Management* *QM for Windows; Excel Solver.*
7	*Case studies: Southwestern University, Arnold Palmer Hospital*
8	***Midterm Exam***
9	*Ch4: Forecasting: What is Forecasting, Forecasting Approaches*
10	*Forecasting: Time Series Methods* *QM for Windows; Excel Solver*
11	*Forecasting: Time Series Methods* *QM for Windows; Excel Solver.*
12	*Forecasting: Forecast Accuracy* *QM for Windows; Excel Solver*
13	*Forecasting: Regression Methods, Data mining* *QM for Windows; Excel Solver.*
14	*Case Problems*
Usefull Websites	***The Companion Website, at*** *www.pearsonglobaleditions.com/taylor* ***The Companion Website, at*** *www.pearsonglobaleditions.com/render* *http://qm-for-windows.software.informer.com/5.2/* ***Free software download.*** *www.scienceofbetter.org*
Calculators:	*Students will need a photo ID on test days. Students may only use standard/basic, scientific, or graphing calculators. Cell phones and all other WiFi enabled devices are prohibited during exams. They are not allowed out of your bag during exams.*
Tech Usage:	*Laptops, tablets, phones, and other digital devices are distracting to you and also distract others sitting nearby. As a result, I ask that you choose to occupy a seat in the last two rows of class if you plan to use one of these devices during lecture. Please do not record our lectures, photos are forbidden too.* *Also, try to remember to keep phones on silent during class.*

Note: I reserve the right to make changes to the syllabus.
Note: a score below 50 → letter F