**Antalya Bilim University**

**Department of Business Administration, BUSI 441**

**Inventory Management**

**Fall 2019**

Class time& Place: Tuesday, 09:30-12:30, A2-06/07

Office hours: Tuesday 16:00-17:30, A2-71

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 Dr. Lecturer

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(A2-71)

Welcome to the course. This course teaches inventory management and optimization. Students will learn inventory management processes and best practices. The relationship between inventory management, service level and profitability will be explored. Students will learn about inventory control models, lot sizing, and performance metrics. Topics covered include inventory fundamentals, vocabulary, economic order quantity, just-in-time inventory, independent demand ordering systems, tracking, shipping and storing materials. Students will learn to analyze and control inventory.

**Course book:**

Pearson - Operations Management: Sustainability and Supply Chain Management, Global Edition, 12/E - Jay Heizer, Barry Render & Chuck Munson - HE educators | Pearson UK

**Recommended readings:**

Additional reading material will be provided by the lecturer.

**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 and Plagiarism**

Plagiarism is using the words or ideas of others and presenting them as your own. Plagiarism is a type of intellectual theft. It can take many forms, from deliberate cheating to accidentally copying from a source without acknowledgement. Although plagiarism is well established in Turkish educational system, you will be punished heavily if you are caught do it.

**Assessment Criteria:**

1. **Attendance and Class Participation (15%)**
2. **Midterm (40%):** Students are responsible for all class material covered until the midterm exam.
3. **Final exam (45%)**: This exam is cumulative and will focus on all units and topics studied throughout the course, but emphasis will be after midterm.
4. **Passing Grade = 50/100**

**Course Schedule**

**WEEK 1-2 (16-29 September)** Inventory Management

**WEEK 3-4 (30 Sep.-13 October)**  Inventory Management

**WEEK 5 (14-20 October)** Inventory Management

**WEEK 6 (21-27 October)** Aggregate Planning and S&OP

**WEEK 7 (28 Oct.-3 November)** Aggregate Planning and S&OP

**WEEK 8 (4-10 November)** Midterm Exam

**WEEK 9-10 (11-24 November)** Materials Requirements Planning (MRP) and ERP

**WEEK 11 (25 Nov.-01 December)** Short-Term Scheduling

**WEEK 12-13 (2-15 December)** Short-Term Scheduling, Lean Operations

**WEEK 14 (16-22 December)** Maintenance and Reliability