



## AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

|  |   |   |            |   |   |                                  |   |            |   |
|--|---|---|------------|---|---|----------------------------------|---|------------|---|
| Course Title                                     |   | Quality Assurance and Standards   |            |   |   |                                  |   |            |   |
| Course Code                                      |   | İTN215  |            | Course Level  |   | Short Cycle (Associate's Degree) |   |            |   |
| ECTS Credit                                      | 3 | Workload  | 75 (Hours) | Theory  | 1 | Practice                         | 1 | Laboratory | 0 |
| Objectives of the Course                         |   | This course is related to quality assurance and standards in business qualifications to teach                         |            |   |   |                                  |   |            |   |
| Course Content                                   |   | Creating a Quality Assurance System Infrastructure, Building a Quality Management System, Statistical Quality Control |            |   |   |                                  |   |            |   |
| Work Placement                                   |   | N/A   |            |   |   |                                  |   |            |   |
| Planned Learning Activities and Teaching Methods |   |   |            | Explanation (Presentation), Experiment, Demonstration |   |                                  |   |            |   |
| Name of Lecturer(s)                              |   |   |            |   |   |                                  |   |            |   |

### Assessment Methods and Criteria

| Method              | Quantity | Percentage (%) |
|---------------------|----------|----------------|
| Midterm Examination | 1        | 40             |
| Final Examination   | 1        | 70             |

### Recommended or Required Reading

|   |  |
|---|--|
| 1 | Kalite Güvencesi ve Standartları, Nihat Kölük, İrfan Dilsiz, Cafer S. Kartal |
|---|--|

| Week | Weekly Detailed Course Contents |   |
|------|---------------------------------|---|
| 1    | Theoretical                     | quality concept   |
|      | Practice                        | quality concept   |
| 2    | Theoretical                     | standards and standardization                               |
|      | Practice                        | standards and standardization                               |
| 3    | Theoretical                     | The importance of standard manufacturing and service sector |
|      | Practice                        | The importance of standard manufacturing and service sector |
| 4    | Theoretical                     | Management quality and standards                            |
|      | Practice                        | Management quality and standards                            |
| 5    | Theoretical                     | environmental standards                                     |
|      | Practice                        | environmental standards                                     |
| 6    | Theoretical                     | Quality management system, strategic management models      |
|      | Practice                        | Quality management system, strategic management models      |
| 7    | Theoretical                     | strategic management  |
|      | Practice                        | strategic management  |
| 8    | Theoretical                     | The process management system                               |
|      | Practice                        | The process management system                               |
| 9    | Theoretical                     | Resource management system                                  |
|      | Practice                        | Resource management system                                  |
| 10   | Theoretical                     | Production quality control                                  |
|      | Practice                        | Production quality control                                  |
| 11   | Theoretical                     | Inspection and sampling                                     |
|      | Practice                        | Inspection and sampling                                     |
| 12   | Theoretical                     | Total quality control                                       |
|      | Practice                        | Total quality control                                       |
| 13   | Theoretical                     | control charts  |
|      | Practice                        | control charts  |
| 14   | Theoretical                     | statistical distributions                                   |
|      | Practice                        | statistical distributions                                   |



**Workload Calculation**

| Activity            | Quantity | Preparation | Duration | Total Workload |
|---------------------|----------|-------------|----------|----------------|
| Lecture - Theory    | 14       | 0           | 1        | 14             |
| Lecture - Practice  | 14       | 0           | 1        | 14             |
| Seminar             | 5        | 0           | 2        | 10             |
| Project             | 1        | 0           | 5        | 5              |
| Laboratory          | 14       | 0           | 1        | 14             |
| Midterm Examination | 1        | 8           | 0        | 8              |
| Final Examination   | 1        | 10          | 0        | 10             |

Total Workload (Hours) 75

[Total Workload (Hours) / 25\*] = **ECTS** 3

\*25 hour workload is accepted as 1 ECTS

**Learning Outcomes**

|   |   |
|---|---|
| 1 | Creating a Quality Management System Infrastructure                       |
| 2 | Implement Quality Standards   |
| 3 | To apply statistical quality control methods                              |
| 4 | To recognize quality circles.   |
| 5 | Ensuring zero control by providing control at every stage of the product. |

**Programme Outcomes (Textile Technology)**

|   |   |
|---|---|
| 1 | 1. To have basic theoretical and practical knowledge related to the field of textile technology, weaving, finishing process and pattern design. Be able to recognize problems, develop solutions for the problems, designing and having the ability to use theoretical knowledge in practical applications.   |
| 2 | 2. Be able to identify problems, develop solutions to the problems, be able to devise, to have the ability to use theoretical knowledge in practical applications by using acquired the basic knowledge and skills in the field. – Be able to choose technical equipments which are needed for applications in the field and use effectively. - Awareness of the need for life-long learning to follow developments in the textile technology, learning independently and to gain awareness of continuous self-renewal. - Be able to examine the application of production processes in the textile industry. – Be respectful to their own history and to be conscious about the subjects of social responsibility, universal and social and professional ethics. |
| 3 | 3. To have basic theoretical and practical knowledge related to the field of textile technology, weaving, finishing process and pattern design. To be conscious about the subjects of job security, the information of environmental protection, quality awareness and being conscious of participating in team work.   |
| 4 | 4. Be able to identify problems, develop solutions to the problems, be able to devise, to have the ability to use theoretical knowledge in practical applications by using acquired the basic knowledge and skills in the field. - To be conscious about the subjects of job security, the information of environmental protection, quality awareness and being conscious of participating in team work.  |
| 5 | 5. Be able to examine the application of production processes in the textile industry. Be able to identify problems, to develop solutions to the problems, be able to devise, to have the ability to use theoretical knowledge in practical applications by using acquired the basic knowledge and skills in the field. Be respectful their own history and be conscious about the subjects of social responsibility, universal and social and professional ethics.   |
| 6 | 6. Be able to examine the application of production processes in the textile industry. To be aware solutions and applications of the effects of global and societal context in technician-level; being aware of entrepreneurship and innovation, and to have knowledge of the issues of the age.  |
| 7 | 7. To gain the knowledge and awareness of Atatürk's principles & reforms and using Turkish Language effectively.  |
| 8 | 8. To gain the knowledge about his/her society and to gain a different point of view about the world  |

**Contribution of Learning Outcomes to Programme Outcomes** 1:Very Low, 2:Low, 3:Medium, 4:High, 5:Very High

|    | L1 | L2 | L3 |
|----|----|----|----|
| P1 | 3  | 3  | 3  |
| P2 | 5  | 5  | 5  |
| P3 | 5  | 5  | 5  |
| P4 | 4  | 4  | 4  |
| P5 | 5  | 5  | 5  |
| P6 | 3  | 3  | 3  |
| P7 | 4  | 4  | 4  |
| P8 | 3  | 3  | 3  |

