



## AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

|                                                  |   |                                                                                                                                                                                                                   |            |                                        |   |                                 |   |            |   |
|--------------------------------------------------|---|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|----------------------------------------|---|---------------------------------|---|------------|---|
| Course Title                                     |   | Environmental Impact Assessment and Ecological Monitoring                                                                                                                                                         |            |                                        |   |                                 |   |            |   |
| Course Code                                      |   | SUM211                                                                                                                                                                                                            |            | Course Level                           |   | First Cycle (Bachelor's Degree) |   |            |   |
| ECTS Credit                                      | 3 | Workload                                                                                                                                                                                                          | 74 (Hours) | Theory                                 | 2 | Practice                        | 0 | Laboratory | 0 |
| Objectives of the Course                         |   | The objective of this course is to equip students with the fundamental concepts and tools to prepare an Environmental Impact Assessment report by accomplishing the necessary technical and administrative steps. |            |                                        |   |                                 |   |            |   |
| Course Content                                   |   | Scope Identification process, assessment of impacts, preparation of the report                                                                                                                                    |            |                                        |   |                                 |   |            |   |
| Work Placement                                   |   | N/A                                                                                                                                                                                                               |            |                                        |   |                                 |   |            |   |
| Planned Learning Activities and Teaching Methods |   |                                                                                                                                                                                                                   |            | Explanation (Presentation), Discussion |   |                                 |   |            |   |
| Name of Lecturer(s)                              |   | Assoc. Prof. Mehmet GÜLER                                                                                                                                                                                         |            |                                        |   |                                 |   |            |   |

### Assessment Methods and Criteria

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

### Recommended or Required Reading

|   |                                                                                                                                                                                                         |
|---|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | Türk Çevre Mevzuatı (Çevre Yasası, Kanun Hükmünde Kararnameler, Uluslararası Sözleşmeler, Yönetmelikler, Tebliğler) ÇED Eğitim Semineri ve Paneli, TMMOB Çevre Mühendisleri Odası Yayını, 1999, Ankara. |
| 2 | ÇED Eğitimi, Türkiye Çevre Vakfı Yayını, 1994, Ankara. Uslu, O., Çevresel Etki Değerlendirmesi, Türkiye Çevre Vakfı Yayını, 1996, Ankara.                                                               |
| 3 | ÇED Raporu Yazım Rehberi, Çevre ve Orman Bakanlığı T.C. Çevre ve Orman Bakanlığı Web Sayfası                                                                                                            |

| Week | Weekly Detailed Course Contents |                                                                                             |
|------|---------------------------------|---------------------------------------------------------------------------------------------|
| 1    | Theoretical                     | EIA Topic                                                                                   |
| 2    | Theoretical                     | EIA Definitions, EIA Regulations                                                            |
| 3    | Theoretical                     | EIA Regulations Examination of a sample EIA Report                                          |
| 4    | Theoretical                     | EIA Regulations, Principles and Stages of an EIA Process Examination of a sample EIA Report |
| 5    | Theoretical                     | Environmental Regulations and EIA Report Preparation, Management of EIA Process             |
| 6    | Theoretical                     | Environmental Legislations Partners and their roles in EIA Process                          |
| 7    | Theoretical                     | Implementation of an EIA Process , Composition of a EIA Project Team                        |
| 8    | Intermediate Exam               | Midterm exam                                                                                |
| 9    | Theoretical                     | Public Participation process, Initiation of project screening process                       |
| 10   | Theoretical                     | Examination and evaluation of the EIA report , evaluation of the results                    |
| 11   | Theoretical                     | EIA Project defense by the students, role playing, evaluation                               |
| 12   | Theoretical                     | EIA Project defense by the students, role playing, evaluation                               |
| 13   | Theoretical                     | EIA Project defense by the students, role playing, evaluation                               |
| 14   | Theoretical                     | EIA Project defense by the students, role playing, evaluation                               |
| 15   | Theoretical                     | EIA Project defense by the students, role playing, evaluation                               |
| 16   | Final Exam                      | Final exam                                                                                  |

### Workload Calculation

| Activity                              | Quantity | Preparation | Duration | Total Workload |
|---------------------------------------|----------|-------------|----------|----------------|
| Lecture - Theory                      | 14       | 2           | 2        | 56             |
| Midterm Examination                   | 1        | 7           | 1        | 8              |
| Final Examination                     | 1        | 9           | 1        | 10             |
| Total Workload (Hours)                |          |             |          | 74             |
| [Total Workload (Hours) / 25*] = ECTS |          |             |          | 3              |

\*25 hour workload is accepted as 1 ECTS



**Learning Outcomes**

|   |                                                                                                                                                                              |
|---|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | Prepares technical Environmental Impact Assessment Reports for the activities with potential environmental impacts                                                           |
| 2 | Evaluates the environmental impacts according to the existing legal framework                                                                                                |
| 3 | Knows the partners responsible for the national and local environmental management and know where to find the essential support to conduct her/his activities related to EIA |
| 4 | Realizes a systemic and multidisciplinary team work to conduct an EIA study                                                                                                  |
| 5 | To gain ability of speaking and understanding legal language about seafood subjects                                                                                          |

**Programme Outcomes (Dairy Technology)**

|    |                                                                                                                                                                                                      |
|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1  | Having sufficient infrastructure in basic sciences and engineering subjects and ability to use the theoretical and applied info instantly in this field.                                             |
| 2  | Determining the modern techniques, tools and information technologies required for applications related with his field and ability to use them efficiently                                           |
| 3  | Ability for planning, projecting, and designing, following up, analyzing and finding target-driven solutions related with his field                                                                  |
| 4  | Ability to have professional ethic and awareness.                                                                                                                                                    |
| 5  | Ability to work, decide, express opinions orally and in written individually                                                                                                                         |
| 6  | Ability to participate team studies, taking responsibility, making leadership.                                                                                                                       |
| 7  | Ability to conceive Atatürk's principles and reforms, to communicate in Turkish and foreign language.                                                                                                |
| 8  | Ability to comprehend the necessity to learn for a life time, to monitor developments in science and technology and continuously renew himself.                                                      |
| 9  | Having sufficient level of information about production and quality control of milk and dairy products and also product development, increasing product quality and food security fields.            |
| 10 | Ability to detect, define, solve problems related with his field and to select and apply suitable methods and modeling techniques for this purpose.                                                  |
| 11 | To be conscious about workplace applications, worker health, work security and environment subjects, to have knowledge about legal results of the engineering applications related with his subject. |

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

|    | L1 | L2 | L3 | L4 | L5 |
|----|----|----|----|----|----|
| P3 | 3  | 3  | 3  | 3  | 2  |

