



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

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|--|---|--|----------------------|---|---|--------------------------------|---|------------|---|
| Course Title | | Environmental Toxicology | | | | | | | |
| Course Code | | CSAG522 | | Course Level | | Second Cycle (Master's Degree) | | | |
| ECTS Credit | 4 | Workload | 100 (<i>Hours</i>) | Theory | 2 | Practice | 0 | Laboratory | 0 |
| Objectives of the Course | | Gaining information about the pollutants' sources, living organisms and ecosystem effects, remnants, remediation and control | | | | | | | |
| Course Content | | Concepts such as environment and food pollution, elements and functions of ecosystems, natural balance and food chain, industrial toxicology, pesticide toxicology | | | | | | | |
| Work Placement | | N/A | | | | | | | |
| Planned Learning Activities and Teaching Methods | | | | Explanation (Presentation), Discussion, Individual Study, Problem Solving | | | | | |
| Name of Lecturer(s) | | | | | | | | | |

Assessment Methods and Criteria

| Method | Quantity | Percentage (%) |
|---------------------|----------|----------------|
| Midterm Examination | 1 | 40 |
| Final Examination | 1 | 60 |

Recommended or Required Reading

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| 1 | 1. Merdol T.K. Sanitation / Hygiene Training, Ankara, 2003. |
| 2 | Gupta R.C., Veterinary toxicology Basic and Clinical Principles, Elseiver, USA, 2007 |
| 3 | Ecosystems and Human Health, Toxicology and Environmental Hazards PHILP, R.B., USA , 2001. |
| 4 | Deshpande S S., Handbook of Food Toxicology. Marcel Dekker, Inc. NY, 2002. |

| Week | Weekly Detailed Course Contents | |
|------|---------------------------------|--|
| 1 | Theoretical | Concepts about environmental pollution |
| 2 | Theoretical | Causes of contamination |
| 3 | Theoretical | Natural balance and food chain |
| 4 | Theoretical | Water pollution and prevention |
| 5 | Theoretical | Air pollution and prevention |
| 6 | Theoretical | Soil pollution and its prevention |
| 7 | Theoretical | Contaminants in human and animal systems |
| 8 | Intermediate Exam | Midterm |
| 9 | Theoretical | Food pollution |
| 10 | Theoretical | Industrial toxicology |
| 11 | Theoretical | Fertilized medicines |
| 12 | Theoretical | Pesticide varieties |
| 13 | Theoretical | Prevention of pesticide pollution |
| 14 | Theoretical | General evaluation |
| 15 | Final Exam | Final |

Workload Calculation

| Activity | Quantity | Preparation | Duration | Total Workload |
|---------------------------------------|----------|-------------|----------|----------------|
| Lecture - Theory | 14 | 0 | 2 | 28 |
| Midterm Examination | 1 | 30 | 2 | 32 |
| Final Examination | 1 | 38 | 2 | 40 |
| Total Workload (Hours) | | | | 100 |
| [Total Workload (Hours) / 25*] = ECTS | | | | 4 |

*25 hour workload is accepted as 1 ECTS

Learning Outcomes

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| 1 | To be able to have up-to-date theoretical and practical knowledge at the level of expertise in environmental health |
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|----|--|
| 2 | Having knowledge about the techniques, techniques, and devices of the technology to treat, care and educate |
| 3 | Being able to take active role in environmental health organization and management |
| 4 | To be able to solve environmental health problems with scientific methods and to evaluate them with a critical approach |
| 5 | Obtaining theoretical and practical knowledge on environmental ethics, policy and planning, information systems, professional foreign languages, finance and intermediary institutions |
| 6 | Ability to produce, execute and finalize new projects for scientific research |
| 7 | To be able to interpret researches using appropriate statistical methods, to write a report of the research they have participated in, to publish it in a national / international accepted journal, to present it at scientific meetings |
| 8 | Having theoretical and practical knowledge about environmental health, historical development and economic dimension of environmental health |
| 9 | Being able to have theoretical and practical knowledge about the deterioration effects of the environment |
| 10 | Being able to have the knowledge and ability to apply in strategic management, marketing, performance management, quality management and human resources management in organizations providing services in the field of environmental health |

Programme Outcomes (Environmental Health Interdisciplinary Master)

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|---|---|
| 1 | To be able to have theoretical and practical updated information in the field of environmental health. |
| 2 | To be able to solve problems related to environmental health with scientific methods and evaluate them with a critical approach, |
| 3 | To have the ability to produce, execute and finalize new projects for scientific research, |
| 4 | To be able to have theoretical and practical knowledge about environmental health, historical development and economic dimension of environmental health, |
| 5 | To be able to have theoretical and practical knowledge about the deterioration effects of environment, |

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

| | L1 | L2 | L3 | L4 | L5 | L6 | L7 | L8 | L9 | L10 |
|----|----|----|----|----|----|----|----|----|----|-----|
| P1 | 5 | 4 | 5 | 5 | 2 | 3 | 4 | 2 | 3 | 5 |
| P2 | 5 | 4 | 5 | 5 | 3 | 5 | 5 | 5 | 3 | 5 |
| P3 | 5 | 4 | 4 | 4 | 2 | 4 | 4 | 4 | 3 | 5 |
| P4 | 5 | 4 | 4 | 4 | 3 | 5 | 4 | 3 | 3 | 5 |
| P5 | 5 | 4 | 4 | 4 | 2 | 4 | 4 | 3 | 3 | 5 |

