



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

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|--|---|--|----------------------|--|---|--------------------------------|---|------------|---|
| Course Title | | Land Development Services | | | | | | | |
| Course Code | | ZTY525 | | Course Level | | Second Cycle (Master's Degree) | | | |
| ECTS Credit | 8 | Workload | 200 (<i>Hours</i>) | Theory | 2 | Practice | 2 | Laboratory | 0 |
| Objectives of the Course | | The aim of this course is taught culturtechnique services | | | | | | | |
| Course Content | | Introduction of land development services, importance of irrigation and drainage services, comparison of land grading and leveling techniques, land consolidation techniques and management methods, farm roads planning criteria, small water structure planning and constructing | | | | | | | |
| Work Placement | | N/A | | | | | | | |
| Planned Learning Activities and Teaching Methods | | | | Explanation (Presentation), Discussion, Case Study, Individual Study | | | | | |
| Name of Lecturer(s) | | Prof. Necdet DAĞDELEN | | | | | | | |

Assessment Methods and Criteria

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

Recommended or Required Reading

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| 1 | James, L.G. Principles Farm Irrigation System Design Krieger Publishing Company. Malabar Florida |
| 2 | Güngör ve Ark. Sulama, Ankara Ü. Ziraat Fakültesi Yayınları. Ankara. |
| 3 | Çevik, B., Tekinel, O. Arazi toplulaştırma, Çukurova Üniversitesi Ziraat Fakültesi. No 45. |

| Week | Weekly Detailed Course Contents | |
|------|---------------------------------|---|
| 1 | Theoretical | Introduction of Culturtechnic |
| 2 | Theoretical | Rural settlement |
| 3 | Theoretical | Farm organizations |
| 4 | Theoretical | Agricultural structure of Turkey and Land consolidation |
| 5 | Theoretical | Development of water resources and their problems |
| 6 | Theoretical | Irrigation water supply |
| 7 | Theoretical | Water management |
| 8 | Theoretical | Midterm exam |
| 9 | Theoretical | Small water structures and management |
| 10 | Theoretical | Irrigation and its importance in agriculture |
| 11 | Theoretical | Irrigation techniques |
| 12 | Theoretical | Agricultural drainage |
| 13 | Theoretical | Reclamation of salin and alcali soils |
| 14 | Theoretical | Land consolidation |
| 15 | Theoretical | Final Exam |

Workload Calculation

| Activity | Quantity | Preparation | Duration | Total Workload |
|---------------------------------------|----------|-------------|----------|----------------|
| Lecture - Theory | 14 | 5 | 2 | 98 |
| Lecture - Practice | 14 | 4 | 2 | 84 |
| Midterm Examination | 1 | 6 | 2 | 8 |
| Final Examination | 1 | 8 | 2 | 10 |
| Total Workload (Hours) | | | | 200 |
| [Total Workload (Hours) / 25*] = ECTS | | | | 8 |

*25 hour workload is accepted as 1 ECTS

Learning Outcomes

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|---|--|
| 1 | To have knowledge about culturtechnique services |
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| 2 | To be able to evaluate the terms of irrigation, agricultural drainage, land consolidation and agricultural enterprises |
| 3 | To determine problems and obtained knowledge |
| 4 | Solving problems of the aims |
| 5 | To be able to analyze and investigate the problems and publish the results of these studies. |

Programme Outcomes (Agricultural Structures and Irrigation Master)

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| 1 | Ability to use, evaluate and improve the knowledge gained from field of study at an expert level |
| 2 | Ability to reach necessary the knowledge |
| 3 | To able to conduct scientific studies (research) related to the field |
| 4 | Ability to consider academical and ethical values the studies |
| 5 | Ability to improve editing method and evaluate the results of researches |
| 6 | The studies, the ability to reach result and application, develop new approaches |
| 7 | A topic in the field of written, verbally and visually as the ability to express |
| 8 | Effective use of Turkish language and ability to communicate in a foreign language both written and verbal |

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

| | L1 | L2 | L3 | L4 | L5 |
|----|----|----|----|----|----|
| P1 | 5 | 5 | 5 | 4 | 5 |
| P2 | 4 | 4 | 5 | 5 | 5 |
| P3 | 5 | 5 | 5 | 4 | 4 |
| P4 | 4 | 5 | 5 | 4 | 5 |
| P5 | 5 | 4 | 5 | 5 | 5 |
| P6 | 4 | 4 | 4 | 3 | 4 |
| P7 | 4 | 4 | 4 | 5 | 5 |
| P8 | 4 | 4 | 5 | 5 | 5 |

