# AYDIN ADNAN MENDERES UNIVERSITY
# COURSE INFORMATION FORM

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Course Title | Weeds and Struggle | | | | | | | | |
| Course Code | BKR208 | | Couse Level | Short Cycle (Associate's Degree) | | | | | |
| ECTS Credit | 2 | Workload | 50 *(Hours)* | Theory | 2 | Practice | 0 | Laboratory | 0 |
| Objectives of the Course | To introduce harmful weeds in agricultural areas and to teach methods of struggle | | | | | | | | |
| Course Content | Identification, propagation and spreading of weeds and their classification will be done. Herbicide and its use will be explained. The issue of struggle with weeds in different agricultural ecosystems will be discussed. Parasitic weeds will also be covered in this course | | | | | | | | |
| Work Placement | N/A | | | | | | | | |
| Planned Learning Activities and Teaching Methods | Explanation (Presentation), Discussion, Case Study, Individual Study, Problem Solving | | | | | | | | |
| Name of Lecturer(s) | Ins. Hüseyin YERLİKAYA | | | | | | | | |

| **Assessment Methods and Criteria** | | |
|---|---|---|
| Method | Quantity | Percentage (%) |
| Midterm Examination | 1 | 40 |
| Final Examination | 1 | 70 |

| **Recommended or Required Reading** | |
|---|---|
| 1 | Course notes of lecturer |
| 2 | Presentations and Lecture Notes Compiled From Different Sources |
| 3 | Tepe, I. 1998- Türkiye de tarım ve tarım dışı alanlarda sorun olan yabancı otlar ve mücadelesi. Yüzüncü Yıl Üniversitesi Ziraat Fakültesi |
| 4 | Herboloji. (Weed Science). 2001. Z ÖZER, İ KADIOĞLU, H ÖNEN ve N TURSUN. Gaziosman Paşa Üniversitesi Yayınları |

| **Week** | **Weekly Detailed Course Contents** | |
|---|---|---|
| 1 | Theoretical | Weed science and history |
| 2 | Theoretical | Biology of weeds |
| 3 | Theoretical | Ecology of weeds |
| 4 | Theoretical | Measures against weeds - cultural, mechanical, physical and biological control |
| 5 | Theoretical | Herbicide application against weeds |
| 6 | Theoretical | Propagation of herbicides in plants |
| 7 | Theoretical | Selective effects of herbicides |
| 8 | Intermediate Exam | Midterm exam |
| 9 | Theoretical | Classification of herbicides |
| 10 | Theoretical | Factors that decrease the effectiveness of herbicides |
| 11 | Theoretical | Side effects of herbicides |
| 12 | Theoretical | Weed control in some garden plants |
| 13 | Theoretical | Weed control in some field crops |
| 14 | Theoretical | Weed control in empty and social areas |
| 15 | Theoretical | Repeat general course |

| **Workload Calculation** | | | | |
|---|---|---|---|---|
| Activity | Quantity | Preparation | Duration | Total Workload |
| Lecture - Theory | 14 | 0 | 2 | 28 |
| Individual Work | 1 | 2 | 0 | 2 |
| Midterm Examination | 1 | 9 | 1 | 10 |
| Final Examination | 1 | 9 | 1 | 10 |
| | | | Total Workload (Hours) | 50 |
| | | | [Total Workload (Hours) / 25*] = **ECTS** | 2 |
| **25 hour workload is accepted as 1 ECTS* | | | | |

| Learning Outcomes | |
|---|---|
| 1 | Recognizes the weeds. |
| 2 | Know the biology and ecology of weeds. |
| 3 | Know herbicide applications. |
| 4 | Know the importance of weed fighting. |
| 5 | Knows the action mechanisms and selective properties of herbicides. |

| **Programme Outcomes** *(Plant Protection)* | |
|---|---|
| 1 | To be able to learn about systematics, morphological, biological, ecological and epidemiological information about diseases, pests and weeds that cause the loss of the crop at every stage of production, |
| 2 | To be able to become familiar with agricultural management control methods and their use in control of plant diseases, pests and weeds in cultivated agricultural crops, |
| 3 | To be able to diagnose and identify plant diseases, insect, mite or nematode pests or weeds that cause economical losses in stored crops and products, |
| 4 | To be able to use pesticides safely and effectively and informed about their hazardous non-target effects on the environment and human health. |
| 5 | To be able to learn plant protection products and their practice in organic agriculture, |
| 6 | To be able to evaluate the information obtained throughout the learning process with cause-effect relations, to be able to collect data and transfer the results to practice, and to predict where, when and why to use the information |
| 7 | To be able to comply with professional, cultural, social ethic rules in his / her field and to be entrepreneurial |
| 8 | To be able to have conscious of the universality of social rights, social justice, quality and cultural values, environment protection, occupational health and safety issues |
| 9 | To be able to use information and communication technologies together with the required computer software of his / her field |
| 10 | To be able to have the necessary background and qualifications to work in public and private agriculture sectors, to be able to conduct a study independently / as a team member and to be able to comply with the relevant legislation |

**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 | 3 | 3 | 3 | 3 | 4 |
| P2 | 3 | 3 | 4 | 4 | 2 |
| P3 | 3 | 4 | 2 | 2 | 3 |
| P4 | 2 | 3 | 2 | 2 | 1 |
| P5 | 2 | 1 | 2 | 1 | 1 |
| P6 | | 3 | 2 | | |
| P10 | 2 | 2 | 3 | | 1 |