**T.R.**

**ESKISEHIR OSMANGAZI UNIVERSITY**

**GRADUATE SCHOOL OF NATURAL AND APPLIED SCIENCES**

**COURSE INFORMATION FORM**

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| **DEPARTMENT** | AGRICULTURAL BIOTECHNOLOGY **(PhD)** | **SEMESTER** |  |

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| **COURSE** | | | |
| **CODE** |  | **TITLE** |  |

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| **LEVEL** | **HOUR/WEEK** | | | | | | **Credit** | **ECTS** | **TYPE** | | | **LANGUAGE** |
| **Theory** | | **Practice** | **Laboratory** | | |
| **PhD** |  | |  |  | | |  |  | COMPULSORY  (   ) | | ELECTIVE  (   ) |  |
| **CREDIT DISTRIBUTION** | | | | | | | | | | | | |
| **Basic Science** | | **Basic Engineering** | | | | **Knowledge in the discipline**  **[if it contains considerable design content, mark with (√)]** | | | | | | |
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| **ASSESSMENT CRITERIA** | | | | | | | | | | | | |
| **SEMESTER ACTIVITIES** | | | | | **Evaluation Type** | | | | | **Number** | | **Contribution**  **( % )** |
| Midterm | | | | |  | |  |
| Quiz | | | | |  | |  |
| Homework | | | | |  | |  |
| Project | | | | |  | |  |
| Report | | | | |  | |  |
| Seminar | | | | |  | |  |
| Other (………) | | | | |  | |  |
| **Final Examination** | | | | | | |  |
| **PREREQUISITE(S)** | | | | |  | | | | | | | |
| **SHORT COURSE CONTENT** | | | | |  | | | | | | | |
| **COURSE OBJECTIVES** | | | | |  | | | | | | | |
| **COURSE CONTRIBUTION TO THE PROFESSIONAL EDUCATION** | | | | |  | | | | | | | |
| **LEARNING OUTCOMES OF THE COURSE** | | | | |  | | | | | | | |
| **TEXTBOOK** | | | | |  | | | | | | | |
| **OTHER REFERENCES** | | | | |  | | | | | | | |

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| **COURSE SCHEDULE (Weekly)** | |
| **WEEK** | **TOPICS** |
| 1 |  |
| 2 |  |
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| 6 |  |
| 7 |  |
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| 9 |  |
| 10 |  |
| 11 |  |
| 12 |  |
| 13 |  |
| 14 |  |
| 15,16 | Final Examination |

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| **CONTRIBUTION OF THE COURSE LEARNING OUTCOMES TO THE** AGRICULTURAL BIOTECHNOLOGY **PhD PROGRAM LEARNING OUTCOMES** | | **CONTRIBUTION LEVEL** | | |
| **NO** | **LEARNING OUTCOMES (PhD)** | **3**  High | **2**  Mid | **1**  Low |
| **LO 1** | To acquire an Agricultural Biotechnology expertise that will provide permanent solutions to current problems and serve different sectors by using the knowledge on the subjects covered by the agricultural biotechnology discipline, having grasped current knowledge and techniques in the field of agricultural biotechnology. |  |  |  |
| **LO 2** | Identifying and defining complex agricultural problems, creating algorithms and using analysis tools, and developing appropriate models and analyses for this purpose. |  |  |  |
| **LO 3** | To gain the skills of coordinating the tools and equipment in laboratory studies, together with designing solutions for bottlenecks and problems that cannot be foreseen at the beginning, in field studies. |  |  |  |
| **LO 4** | Despite the problems that may be encountered, to be able to collect data, diagnose the collected data with experimental methods, determine these problems and design experiments to solve them. |  |  |  |
| **LO 5** | To be able to take project responsibility in the light of the knowledge learned in the field of agriculture and biotechnology, to anticipate the risks to be encountered and to bring solutions, to ensure sustainability by renewing oneself in the profession, to synthesize in the face of problems. |  |  |  |
| **LO 6** | To be able to access up-to-date information in the field of agricultural biotechnology and gain the ability to develop oneself by following the technological developments in the field. |  |  |  |
| **LO 7** | Having knowledge about the necessary standards in all professional activities and considering ethical values. |  |  |  |
| **LO 8** | To be able to acquire sufficient knowledge and techniques about agricultural biotechnology, to be able to successfully use the knowledge individually and in collaborative work teams. |  |  |  |
| **LO 9** | To be able to prepare and transfer an evaluation report about the design and experiment results in the field of agricultural biotechnology, and to acquire the ability to take/give instructions in cases that may arise in this process. |  |  |  |
| **LO 10** | To develop appropriate modern techniques for the detection and solution of complex problems encountered in agricultural biotechnology applications and to gain the ability to use information technologies effectively. |  |  |  |
| **LO 11** | To be able to evaluate the effects of agricultural biotechnology applications with their health, ecological, social and legal dimensions and to be able to realize their effects on engineering applications. |  |  |  |

**Prepared by:**       **Date:**      

**Signature**: