

Agricultural Genetic Engineering Master's Degree (Second Cycle) Program Outcomes

1. Will have an advanced knowledge on genetics and molecular genetics.
2. Knows and apply the basic techniques of plant biotechnology and tissue culture.
3. Can establish and implement plant breeding programs.
4. Knows molecular marker techniques used in plant breeding and can make application of them.
5. Knows the issues of breeders' rights and professional ethics. Gain sense of social responsibility. Can plan and apply projects and activities for social environment.
6. Have knowledge of the legal regulations on issues of agricultural genetic engineering, plant breeding, genetic resources and seed production.
7. Can establish and implement seed production programs for different plant species.
8. Knows issues of protection of agricultural genetic resources, development and evaluation of them.
9. Have a basic knowledge of agricultural bioinformatics and can make applications of it.
10. Will have the ability of identification problems, the ability of interpretation problems and the ability to find solutions to problems on issues emerging in agricultural genetic engineering. Knows to validate the obtained knowledge. Gain ability of lifelong learning
11. Gain ability of project preparation, independent research execution and finalization. Gain ability to use computer software, technologies and modern tools related to agricultural genetic engineering issues.
12. Can make data collection, analysis, interpretation and reporting procedures on research related to agricultural genetic engineering.
13. Gain ability to follow and interpret scientific and technological developments in the related field. . Gain ability of working together with different disciplines. Know important people, events and phenomenon taking a place in development of the field in terms of effects on applications of the field.
14. Gain professional and ethical responsibility. Take responsibilities to solve complex and unpredictable problems encountered in applications related to the field as an

individual and a team member. Demonstrate leadership in contexts requiring problem solving.

15. Can make effective written and oral presentation in national and international environment in the related field.