PROGRAM LEARNING OUTCOMES

KNOWLEDGE

1. To be able to define general concepts and problems related to Molecular Biology and Genetics and to produce solutions.

SKILLS

2.To be able to understand the relationship between matter and energy in organisms.

3. To be able to define the structure-function relationship at the molecular level in cells and organisms.

4. To be able to define life forms and their relationship with their environment.

5. To be able to explain the genetic information flow in organisms and populations.

6. To be able to comprehend the history and nature of scientific thinking and to apply them to problems in the field.

COMPETENCIES

Ability to work independently and take responsibility

7. To be able to work individually, make independent decisions and participate actively in multidisciplinary group studies.

Learning Competence

8. To be able to follow current scientific and technological innovations with the awareness of continuous learning and to apply them in the field.

9. To be able to drive hypotheses using existing knowledge, designing and conducting experiment for problem solving and make correct interpretation of the results obtained from the experiment.

Communication and Social Competence

10. To be able to present their studies in scientific talks and written texts in national and international scientific platforms by a foreign language.

Field-based Competence

11. To be able to apply biological concepts to individual, social, economic, technologic and environmental issues and to develop sustainable approaches for problem solving.

12. To be able to embrace academic ethical rules and to be able to act with a sense of responsibility.