Biotechnology Study Group 10 ECTS E.T.S. de Ingeniería Agronómica y del Medio Natural

Objectives

The biotechnology industry is growing exponentially as medicinal, agricultural, and environmental endeavors are becoming more and more technologically advanced. This class will introduce the fundamentals and applications of this combination of biomedical science with technological innovation and give some insight as to how science may develop in the future.

Teaching staff

Professors and faculty staff visiting the UPV through academic and research exchange programs.

Methodology

As for the class structure and procedure, the Biotechnology Study Group sessions are designed to facilitate students' understanding of current research as well as to allow for class discussions of the given topic. To this end, the visiting professor is asked to prepare a 2-3 hour lecture about his/her area of research. Students must take notes to foster their understanding of the topic and acquisition of the vocabulary and structures specific to the field. Obviously, not all students will initially be interested in all the topics discussed; however, students are encouraged to consider each session as an opportunity to broaden their knowledge of the distinct research fields within the realm of the biotechnology industry as well as their comprehension of the language commonly used in academic and professional discourse. Likewise, lecturers must bear in mind that not all students will have the full background knowledge or vocabulary to readily follow the lecture. Therefore, we suggest that lecturers send their materials as soon as possible and that the presentations be designed for undergraduates of different study programs. Once the lecturer concludes their presentation, the host ETSEAMN faculty members open the floor for a more in-depth discussion of the research issue and facilitate student participation through inquiry, debate or related activities.

Evaluation

Student evaluation will take into account weekly attendance and active participation in the seminars as well as the formal, written reports from each seminar using the template provided for that purpose. In general, reports should include an introductory description of the topic presented, a structured development of the main points discussed, and individual comments reflecting the student's own position regarding the aspects addressed in the seminar.

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This project consists in 10 sessions, usually given by professors from other European institutions. Project schedule: 4:30 p.m (Tuesday) Duration: approximately 2 to 3 hours Dates of sessions: February: 18th / 25th March: 04th / 25th April: 01st / 08th May: 06th / 13th / 20th / 27th