TEACHING PLAN FOR THE FINAL GRADE PROJECT

1. Basic description

Name of the course: Final Grade Project (FGT)
Academic year: 2019/2020
Year: 3rd
Term: 3rd
Code: 50920
Number of credits: 20
Total number of hours committed:
Teaching language: english
Lecturer: Mireia Olivella

1. Description

At the end of the bachelor training, students finish their education with a 3 month Final Grade Project, that can be coursed in an external institution, either a research group or a company. This final Grade Project can be done in the same institution as the elective internship, making it easier for the students to acquire a background in concepts and methodologies that will be used during the Final Grade Project. The final grade project will be done under the supervision of a scientific tutor from the external institution. An academic director will be also assigned to the student, who will offer appropriate advice and guidance through individual meetings with the student.

The Final Grade Project can be either a comprehensive scientific-professional project in the field of bioinformatics technologies that brings together the competences acquired on the degree course or an innovative, original project that develops an idea, computer program or scientific model for a biomedical problem or biological phenomenon. The Final Grade Project is designed to assess the competences linked to the degree and is approved once it has been defended by

the student.

The FGP will consist on 500 working hours, 400 hours developing the FGP in the external institution, 70 hours for the writing of the Final Report and 30 hours for the preparation of the defense.

2. Procedure

A list with proposals from different Institutions will be provided to the students at the end of the second course. Students will choose a FGP proposal from the provided list or can search for another FGP proposal in other companies or research groups. The FGP can be done abroad. The academic tutor will guide and advice the student during this process.

Once the student finds an appropriate project, the student has to be accepted by the external Institution. If the student is not accepted by any institution before the beginning of the second term, a project will be assigned to the student. An Education Cooperation Agreement between the student, the Institution and ESCI-UPF must be signed before the beginning of the second term.

Three individual meetings will be held with the academic director during the development of the FGP: one at beginning of the FGP, the second one at week 5th and the third one at the end of the FGP.

3. General and specific competences

Core and general competencies	**Transversal and specific competencies**
CB2. That the students know how to apply their knowledge to their work or vocation in a professional manner and have competencies typically demonstrated through devising and defending arguments and solving problems within their field of study. CB3. That the students have the ability to gather and interpret relevant data (usually within their field of study) to make judgments that include reflection on relevant social, scientific or ethical subjects. CB4. That the students can convey	CT1. Mastering oral and written communication in English. CE11. To participate in the development of a bioinformatics research project, defining the current state of the subject and possible strategies to carry it out. RA11.1. Set out research hypothesis from bibliographic data, experiments and computer calculations. RA11.2. Apply elements of decision making in specific

information, ideas, problems and solutions to both specialist and non-specialist audiences. CB5. That the students have developed those skills needed to undertake further studies with a high degree of autonomy. CG1. That the students will acquire an intra-and interdisciplinary training in both computational and scientific subjects with a solid basic training in biology.	situations. RA11.3. Apply techniques, tools, and skills in the practice of bioinformatics

4. Assesment

The Final Grade Project Report will consist in a scientific paper, under some general recommendations (see Final Grade Report Template). The FGP Report has to be handled before June the 22nd at 23:59. The academic director will ask for a preliminary version of the FGP two weeks before the delivery deadline. Plagiarism or falsification in the FGP Report leads automatically to a fail in addition to any sanctions that are applicable according to University regulations.

In order to proceed to the FGP defense, the scientific tutor and the academic director have to approve the defense. The Examination Board will be composed by a minimum of two members and will be held June the 29th and 30th. The student will have 20 minutes to present the FGP and 8 minutes to answer questions from the evaluation board. A minimum of 5 is required to pass the subject.

The Final Grade Project will be evaluated by:

Scientific Tutor (3 points): The Scientific tutor will evaluate the work done by the student during the FGP (evaluation items are detailed in Scientific Tutor Evaluation Report)

Academic Director (1 point): The academic director will evaluate the skills obtained and the student's progress during the FGP, based on the FGP report and individual meetings with the student.

Examination Board (6 points): The examination board will evaluate the content of the FGP (2 points), the FGP Report (2 points) and the defense (2 points) (evaluation items are detailed in Examination Board Report).

The three best Final Grade Projects will be awarded (only for the First Assessment)

If the student is not authorized by the scientific tutor and the academic director to defend the FGP in June, due to a not appropriate development of the FGP, the subject will be failed. The student can present a new version of the report before July the 20th. To proceed with the second assessment defense, that will be held September the 2nd, the student has to be authorized by the scientific tutor and the academic director.

If the student obtains less than 5 points by the Examination Board in June, three options can be considered:

(a) The student can be asked to handle a new version of the report before July the 20th
(b) The student can be asked to handle a new version of the report before July the 20th and also to defend the FGP September the 2nd.
(c) The student can be asked to only defend the FGP September the 2nd.