

## 2nd Cycle Integrated Project in Biomedical Engineering (PIC2)

### Evaluation Method

There are two evaluation time instants for the course PIC2: at the end of each period, P1 and P2.

Modalities 1 and 4:

- (30%) the student must submit the presentation slides and make an oral presentation followed by discussion in front of a jury at the end of P1
- (70%) the student must submit a report and make an oral presentation followed by discussion in front of a jury at the end of P2.

Modality 2: (100%) the student must submit a report and make an oral presentation followed by discussion in front of a jury at the end of P2.

Modality 3:

- (50%) the student must submit a report and make an oral presentation followed by discussion in front of a jury at the end of P1
- (50%) the student must submit a report and make an oral presentation followed by discussion in front of a jury at the end of P2.

The level of depth and type of work carried out will depend on whether the project corresponds to 6 ECTS or 12 ECTS, as well as the type of project.

The jury is made up of a teacher/researcher from the supervision team (supervisor or co-supervisor) and one (or more) expert(s) in the area in which the work is carried out. The jury proposal is the responsibility of the Advisor, even if it is submitted by the student.

The following components are evaluated (with their respective weights in the calculation of the final grade):

- A. Technical and scientific quality (45%)
- B. Report (or PPT slide for modalities 1 and 4) structure and content (30%)
- C. Oral communication skills (25%)

The details, and timings of each option can be found [here](#).

## Report

Each report, without prejudice to other information that each student deems useful to submit, must cover the following contents:

- Project title
- Summary
- Introduction, motivation and definition of the problem under study, identification of the objectives of the study
- Review of relevant literature and/or state of the art
- Sustained proposal of methodologies to be used, with a view to achieving the objective from the project
- Expected results and eventual preliminary results
- Planning and scheduling of work to be carried out in the future
- Conclusions
- References

The report must follow the same formatting and structuring rules defined for Master's Dissertations, with the exception of i) document title; ii) cover information; and iii) the number of pages, which must not exceed 40 pages. The page limit excludes any attachments and references. It is optional to include abstracts and keywords, index and lists of tables, figures and abbreviations.

## Tutoring/Supervision

- The tutor / supervision team of each project must define the work plan with the student, ensure its supervision, fill and sign a **jury proposal** (file "[PIC2 Proposal Jury.docx](#)") that the student must submit together with the report in the fenix system, **define the date and carry out the evaluation** (oral presentation + discussion), **complete the evaluation minutes file, sending the minutes signed by all the elements of the jury to the "Gabinete de Coordenação dos 1o e 2o Ciclos do DBE" [coordgrad@bioengenharia.tecnico.ulisboa.pt](mailto:coordgrad@bioengenharia.tecnico.ulisboa.pt) with the email subject "MEBiom Acta de PIC2-Period" (P1 or P2). The evaluation may take place in person or by zoom, as decided by the jury.**

Note that at least one of the members of the jury should be affiliated with IST, ideally an internal supervisor, and that the expert(s) must not be part of the supervision team.

## Important dates:

The delivery of each PIC2 report (or pdf of the slides for modalities 1 and 4, in P1), as well as the associated jury proposal, must be carried out by the student electronically via the fenix system in two files in PDF format together in a ZIP file (Project "P1: Jury proposal and Report" or "P2: Jury proposal and Report") until the deadlines:

- P1: until November **7**
- P2: until January **19**

**IMPORTANT NOTE:** the name of the ZIP file must unequivocally identify the student, the following format being mandatory: <student-number-Name-Surname>.zip (example: 99999-Manuel-Silva.zip)

The assessment tests, to be defined by the jury, may take place in person or remotely, until the deadlines:

- P1: until November **17**
- P2: until January **31**

Each evaluation lasts approximately 30 minutes, starting with a presentation of the work by the student, not exceeding 15 minutes, followed by a period of discussion before the elements of the jury (about 15 minutes).