Introduction to Research

Professors:

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Curricular Unit Operation

- One-hour weekly lecture
 - For interaction;
 - For presentation of tutorials / seminars.
- Components
 - To improve skills in searching and selection of bibliographic references;
 - To be able to structure and properly prepare a scientific manuscript;
 - To know how to communicate research results and adequately present the work taken;
 - Develop preparatory work for the dissertation :
 - State of the art, detailing the problem and possible solutions, specification, workplan (monitoring by the supervisor)...

Contents

- Systematic methods of researching scientific information;
- Design and work realization for publication;
- Invited tutorials;
- Elaborate and defend a dissertation report project.

Apply to the transferable skills course (mandatory): "How to write an Engineering Dissertation"

Beginning at 14 of October –
Deadline for submitting applications : 30 of September

https://sigarra.up.pt/feup/pt/cur geral.cur view?pv ano lectivo=2022&pv ori gem=CUR&pv tipo cur sigla=FL&pv curso id=23361

Requirements

- You need to have a dissertation topic, or an equivalent level work proposal + supervisor;
- All course stages must be completed by the end of the first semester.

Interaction Activities

- Deliver a midterm report (5 pages)
 - Anonymous peer review;
 - Apply constructive criticism;
 - Propose improvements to the report.
 - Assessment by the supervisor.
- Writing of the final preparation to the dissertation report
 - 15 pages minimum, 30 maximum
- Public defense before a three-member jury (videoconference).
 - 5 minutes presentation + 15 minutes discussion.

Evaluation

- —The assessment of the midterm report is carried out by the supervisors, and the qualitative assessment taken by the peers will also be taken into consideration.
- There will be a component on the quality of peer review assessment.
- RT Midterm Report
- There will be a "bonus" that start at 2/20 grade points for active participation in the tutorials and seminars.
- PT Participation in tutorials/seminars

Evaluation

— The jury evaluates the final report and the public presentation of the work. The jury is made up of three elements: 2 external elements (professor and/or expert) and the supervisor.

CJ — Jury evaluation

RF — Final report

AP — Public presentation of the work

OR — Supervisor

E1 — External element 1

E2 — External element 2

PT — Participation in tutorials/seminars

$$OR,E1,E2 = 0,6 \times RF + 0,4 \times AP$$

$$CJ = 0.5 \times OR + 0.25 \times E1 + 0.25 \times E2$$

— Final grade:

$$CF = 0.75 \times CJ + 0.15 \times RT + 0.1 \times PT$$

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Any Questions?

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