ACADEMIC YEAR 2014-2015

Course Guide: Publishing Research Results (3 ECTS)

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<th>Name</th>
<th>Publishing Research Results</th>
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<td>ECTS</td>
<td>3</td>
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<tr>
<td>Type</td>
<td>Compulsory</td>
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<tr>
<td>Duration</td>
<td>15 weeks</td>
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**Basic and General Competences**

CB5. To be able to communicate research results and their fundamental features clearly and without ambiguities, to both a specialised public and the general public.

CB6. To have developed sufficient autonomy to take part in research projects and scientific and/or technological collaborations in specific or interdisciplinary scenarios, even when there is an important degree of knowledge transfer.

**Specific Competences**

CE5. To know the different stages of a research project from the beginning to the final communication of the results.

CE6. To be able to communicate research results to society through presentations and/or other forms of publication in a scientific context.

**Expected results**

At the end of this course, students:

1. Should understand the importance of publishing research results and be motivated to do so.

2. Should know the so-called “standard model” for technical documents and what the sections of this type of documents should include.

3. Should know the main tools used to write technical documents.

Translation to Spanish follows at the end of the English version.
4. Should know the main types of technical documents, especially those which typically include research results: Ph.D dissertations, journal papers and conference papers.

5. Should understand the importance of scientific communications for their own research work and for other researchers’ work.

6. Should know and use fluently the register and vocabulary of the English language applicable to technical research documents.

7. Should be able to give a short technical presentation in English on their research work.

Finally, students with a medium-to-high level of English should be able to write their research work so that the document structure and the English usage therein will facilitate the communication of their research results, instead of actually being an obstacle for that communication.

**Activities and teaching methodology**

1. All the course sessions will be conducted in English. The students are also expected to participate in English.

2. Lectures will present the main aspects to be considered.

3. Students will study examples taken from published work.

4. Students will have to submit written examples.

5. Students’ homework will always be discussed in class.

6. Students’ homework will also be reviewed and evaluated, individually, by the course lecturers. The aspects to be considered and evaluated will include: structure, contents and use of the English language.

7. Students will have to give a short presentation in English.

8. At the end of course, students will have to submit a written research-type paper that will be evaluated by the course lecturers.

**Evaluation System**

The objective is to evaluate to what extent students have successfully acquired the skills intended to be taught in this course. The following aspects will be taken into account:

- Attendance and participation in course sessions.
• Individual progress during the course.
• Submitted assignments.
• Presentations.
• Final paper.

Each student will have to give a short presentation, submit the final paper and hand in at least 70% of the course assignments. Once these requirements are satisfied, the evaluation will be as follows.

**Evaluation (100 %)**

1. Course assignments (20 %).
2. Presentation (20%)
3. Student’s participation in the course sessions (10%).
3. Final paper (50 %).

**Course description**

1. Why write technical documents?
2. Understanding the types of technical documents to report your research: from a brief note to a Ph.D. Thesis.
3. Research, papers and journals.
4. Considerations before writing: Planning your writing and choosing your audience.
6. Writing abstracts: The tense, the personal pronouns, negatives and abbreviations
7. Writing the introduction. Writing definitions in English. Literature survey. Tenses used in reporting previous research
8. Reporting verbs
9. Writing the body of the paper. Explaining the procedure. Useful linking clauses. The language of “increase” and “decrease”
10. Discussion of results. A general overview of results. Ways of describing the accuracy of results. Comparison of results. Explanation of errors and unexpected results
11. Writing the conclusions

12. References and the reference list. Examples of reference formats

13. Writing references to material within the document itself.

14. Word processors: WYSIWYG-type word processors and LaTeX.

15. Appendices

16. After writing a journal paper: Good and bad reviews, proofs, publication, giving it another try, etc.

17. After writing a conference paper: preparing and delivering your talk, answering questions.

18. After writing up your Ph.D. dissertation: your supervisor feedback, viva and outcome.

Bibliography

Fundamental:


Complementary: