Course offered for the PhD program
in Civil, Chemical and Environmental Engineering
Curriculum in Chemical, Material and Process Engineering –
a.a. 2015/2016 (cycles XXXI, XXX and XXIX)

(possibility of participation for students in other PhD cycles or other PhD courses)

1. Title

Writing of scientific papers

2. Course Description

The course will offer to the PhD students tools that provide minimum conditions necessary for the preparation, writing and publication of scientific articles, as well as help them to observe, think, plan, organize, review and transmit their ideas. A further aim is to encourage reading and analysis of articles and publication of results in international journals.

The course will include the following topics:

1. Introduction:
- Scientific disclosure over the years and its importance;
- Profile the most appropriate periodic for publication and the journals's choice;
- Types of papers and choosing the best form of presentation;
- Items that comprise each type of paper, such as: full article, short communication and review articles;
- Discussion about the Impact factor (ISI - Institute for Scientific Information) of the journals.

2. The importance of reading scientific publications in the area to be published (bibliographic review). Examples of the publication process of an article: submission, revisions, corrections, proofs, and final publication.

3 – Organization of the results to be published. Preparation of a general outline of the paper to be published identifying the most important information.

4 – How to write the title of a paper. Keywords, authorships, affiliations, acknowledgements and corresponding author.

5 - Writing the Introduction and Materials and Methods.

7. Results: how to present tables, figures, photos, drawings, flow charts.

8. Discussion of results, and final conclusion. Point out the most important results. Identification of the contribution of the research.

9. Construction of an Abstract that provides sufficient information to evaluate the work.

10- References, abbreviations. Citations.

11. Examples of cover letters.

3. Course Organization

The course, organized into a single module, will consist of classroom lessons as well as case studies, writing exercises and seminars. Students will use their own laptop and should bring a set of data, preferably in excel, for practical applications.

4. Teacher

The course teacher will be Adalberto Pessoa Junior.

5. Duration and credits

The course (15 hours) will consist of 5 lessons, 3 hours a day, during 5 consecutive days for a total of 3 credits.

6. Activation mode and teaching period

The course will be held once every two years if at least two students will be registered by simple contact with the coordinator of the curriculum of Chemical, Material and Process Engineering (prof. Attilio Converti) by email. The course will be held during the period 11-15 April 2016, but the exact time schedule will be confirmed about one month before the beginning of the course.

7. Deadline for registration

As only a limited number of participants is allowed, preference will be given to students of the PhD course DICCA. Registration to the course must be made no later than March 1st, 2016. Students are requested to inform the coordinator of the curriculum of Chemical, Material and Process Engineering (prof. Attilio Converti) by e-mail (converti@unige.it) about their registration.

8. Final exam

The final exam will consist in a written paper, including the cover letter. The students will write a paper during the course, and at the end they will have 15 days to prepare the final version and send it to the teacher.