



Disciplina: IQ040-Escrita Acadêmica em Inglês

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Período: 1 semestre de 2022

Estrutura: This course is for graduate students (MSc and Ph.D.) who wish to develop and improve their ability to write scientific papers in English. It will be discussed every aspect of successful scientific writing in Chemical Engineering and related fields, targeting the internal structure of a paper, explaining how to write sections, paragraphs, and sentences clearly and compellingly. Specific aims: • To raise students' awareness of the scientific language • To encourage students to write independently and in English • To clarify the use of formal language • To develop critical reading and text analysis • To construct accurate and coherent/cohesive scientific papers at section, paragraph, and sentence levels Prerequisites: This course is best suited for students with (1) at least upper-intermediate proficiency in English, and (2) preliminary research results.

Avaliação: Students will be asked to write a 4-page conference paper in English (based on their research results) during the semester. Alternatively (if you do not have any results), you can write a research proposal with 4 pages and a similar structure. Note: this option needs the approval of the instructor. There will be two evaluations of the manuscript. In the mid-semester evaluation, students will submit the Title, Abstract, and Introduction sections. Students will receive one-to-one feedback. For the final evaluation at the end of the semester, students will deliver the full 4-page conference paper (Abstract, Introduction, Material and Methods, Results and Discussion, and Conclusion).

Programa:

- Principles of good writing
- Scientific genre analysis
- English grammar for scientific writing (including, use of articles, prepositions, nominalization, active vs. passive voice, and linking words)
- Paragraph and phrase structure (cohesion and coherence)
- The aspect of well written internal sections (Abstract, Introduction, Material and Methods, Results and Discussion, and Conclusion)
- How to effectively present data
- Citation, references, and plagiarism
- Use of online tools and resources for scientific writing

Referências:

Reading suggestions

- Gastel B., Day R. A. (2016) "How to Write and Publish a Scientific Paper", 8th Edition. Greenwood.
- Schimel J. (2012) "Writing Science: How to Write Papers That Get Cited and Proposals That Get Funded". Oxford: Oxford University Press.
- Schuster, Ethel, Levkowitz, Haim, Oliveira Jr., Osvaldo N. (Eds) (2014) "Writing Scientific Papers in English Successfully: Your complete roadmap", Gráfica Compacta.

Other materials will be suggested or made available (via Google Classroom) throughout the course.