

Course proposal

Course Title: Scientific Research Writing

Teacher

Antonietta Bagnardi

Course description

In the global-scale communication, young scientific researchers need to be prepared to express their view in a way that best promote their ideas and fields of interest: they not only need to rely on rhetoric means but also on efficient linguistic tools they could use to get their ideas across fostering the most advanced and most ethical practices.

The course focuses on different subjects which are relevant to scientific writing such as classifying, defining, describing, connection establishing and comparing. It will also point out typical syntactic and stylistic errors made by PhD students throughout their writing as well as recurring linguistic difficulties (article use, prepositions, verb tenses, impersonal subject, modality) which should be eventually overcome.

Finally, doctorate students will analyze a specific research paper from the abstract to its bibliography trying to define communication cohesion: procedural, temporal, logical and coincidental. Different reference styles will be examined (IEEE, ACM, AMS...) depending on the students' fields of study.

Overall, the students will share the following roadmap: the research process, the writing process and the techniques for presenting a paper orally, offering new approaches to interactive and collaborative tasks, since students are stimulated to group work.

Course period

october-november 2024

Course References

[1] Rizopoulou, N. 2019. Academic English for Computer Science, *An English for Specific and Academic Purpose Course for International students of Computer Science, Computer Engineering, Information and Communication Systems*, Disigma publications.

[2] Ribaupierre, H., Falquet, G. 2017. Extracting discourse elements and annotating scientific documents using the SciAnnotDoc model: a use case in gender documents, open access publication

[3] Glasman-Deal, H. 2009. Science Research Writing for non-native speakers of English. Imperial College Press

Credits and Hours

1.25 credits, one of lectures (8 hours) for a total of 10 hours.

Exam Modality

In order to pass the exam, students write a paper in group and present it in class.

- 1) Writing Project: aware of the responsibility to leverage our technology to move the world forward into a more connected , secure and sustainable future, students choose

an existing town/city or an imaginative one and write a paper on the existing city implementing it or “build” the “town of the future” taking into consideration some of the following aspects: quality of life, sustainable solutions to world’s problems, climate change, heat production, light, noise, thermal regulations and the image of beauty (cf. change of material and perspective); Unifying the style of the paper among different writers will be the core goal of the assignment.

- 2) Paper presentation. Students present the content of their paper: each of them introduces his/her writing section.

Teacher CV

Please, see attachment

Main Publications

Please, see attachment