

Course PROFESSIONAL COMMUNICATION.

Basic Information

This course contributes to the requirements for the Degree of MSc in Computer Science

Title of the Academic Program	Master's Degree Programs in English "Digital intelligent control systems"
Type of the course	core /mandatory
Course period	2 semester Second semester: from February, the 1st to June, the 1st (18 weeks)
Study credits	3 ECTS credits
Duration	108hours
Language of instruction	English
Academic requirements	– BSc degree in Computer Science or equivalent (transcript of records), – good command of English (certificate or other official document)
Prerequisites:	English level B1(Common European Framework of Reference for Languages)

Course Description

«Professional Communication» is the course specifically tailored towards the professional and scientific environment. It is based on utilizing additional resources provided in order to allow students a chance to tackle professional language and situations, better equipping them for future scientific activity. Not only will these resources contribute to confidence in speaking English they will also contribute to promoting practical skills and knowledge, including computer-based translation of scientific papers and various types of texts containing professional terms.

Special Features of the Course

The course is based on engaging specially adapted real scientific articles from Mathematics and Statistics journals. The extra content also includes engaging translation systems (Smartcat), on-line terminological dictionaries, glossaries, worksheets, online exercises, a variety

of international audio-conferencing options, integrating conference simulations and a Coursera Project-Centered Course (How to Write and Publish a Scientific Paper)

Students develop productive skills through group/pair work, presentations, and discussions.

Course Aim

The course aims to help students communicate more effectively as scientists, specifically in the English language.

Course Objectives

The objectives of this course are to introduce students to problem solving, critical thinking and professional communication through integrated skills. The emphasis is on how to use formal vocabulary and expressions in professional and scientific environments both orally and in written form.

Learning Outcomes of the Course

By the end of the course, students will be able to:

- understand and interpret information presented in verbal, numerical or graphical form either written or oral in English;
- organize and present ideas and statements in a clear, logical and appropriate form.
- prepare a scientific paper in English for publication in a scientific journal;
- communicate effectively at conferences and scientific meetings;
- participate in a teleconference in English;
- use the SmartCAT application, online glossaries and specialized online dictionaries and translation systems to quickly generate quality translation.

Course (module) Structure

Learning Activities	Hours
Practice sessions / Seminars,	36
Self-study Assignments	72
Total study hours	108

Detailed Schedule

Week	Module 1	Practice session / Assignments	Hours ¹
1-4	Reading comprehension	Scientific texts; Structure; Working with dictionaries; Types of dictionaries; Translation systems (Smartcat); Terms Glossary; Quoting, Paraphrasing, and Summarizing .	24
5-9	Writing Scientific Papers	Understanding academia Before writing: delimiting your scientific paper Writing the paper: things you need to know After the writing: the check list https://ru.coursera.org/learn/how-to-write-a-scientific-paper	36
10-13	Teleconferences and running online meetings and conference calls in English.	Introducing yourself; Introducing the subject; Managing the call; It is your turn to speak; Ending the call. http://learnenglish.britishcouncil.org/conference-calls-0 https://www.businessenglishpod.com/category/teleconferencing/ https://www.fluentu.com/blog/business-english/business-english-conference-calls/ https://blog.tjtaylor.net/conference-calls/	24
14-18	Academic Conferencing	Giving Poster Presentations (Creating, Presenting, Promoting); Chairing Sessions (Introducing the session, Introducing the speakers, Managing time, Managing questions and answers, Wrapping up the session); Panel Discussions (Preparing for the panel, Participating in the discussion, Moderating the discussion). https://www.nature.com/scitable/ebooks/english-communication-for-scientists-14053993/contents/	24

¹ Hours designed for Classroom sessions, Web-sessions, Home Assignments etc.



Lecturer(s) and Tutor(s), Contact Information

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Assessment

There is no exam element with this course. The minimum requirement for successful completion of the course is achieving an average grade of 65% for each of the assignments. Coursework assessments involve:

- Individual and group oral presentations
- Oral interactions (including pair work)
- Written tests and tasks of various length (the first draft of science paper)
- Listening/ viewing.

Attendance Policy

Participation: attendance, punctuality, active involvement in discussions, completion of reading and writing assignments and preparation of presentation are absolutely essential for passing this course.

Web page of the course

Course materials and required reading materials are available on the webpage of the course, SibFU E-learning portal, www.e.sfu-kras.ru . You must be logged in to access this course: <https://e.sfu-kras.ru/course/view.php?id=1858>