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|  | **Course Syllabus** |

**1.** **Course Title:**

Presenting and Pitching Research in Biotechnologies and Equipment Engineering

**2. Academic Level:**

Master

**3. ECTS Credits:**

5 ECTS

**4. Semester:**

2, spring semester

**5. School/Department:**

Institute of Nanotechnologies, Electronics and Equipment Engineering / Department of Radio Engineering Electronics and Nanoelectronics

**6. Location:**

Taganrog Campus, 2 Shevchenko St., Taganrog

**7. Instructor:**

Prof. Ekaterina Korman, PhD, email: [eakorman@sfedu.ru](mailto:eakorman@sfedu.ru)

**8. Language of Instruction:**

English

**9. Course Description:**

The course is focused on developing skills of oral communication in English, presenting and pitching research in the field of biotechnologies and equipment engineering. Students learn how to prepare reports and presentations for international conferences, congresses, and forums in English. Students are also trained to take part in international programs and international research projects in the area of biotechnologies and equipment engineering.

**10. Course Aims:**

* to increase the level of English proficiency,
* to increase the level of students’ communicative competence in scientific intercultural interaction, especially in the area of biotechnologies and equipment engineering,
* to promote the results of scientific and professional activities,
* to facilitate students’ active integration into the international scientific and academic community.

**11. Specific entry requirements (if any):**

English B1

*Knowledge:* main features of EAP, basic requirements to presentations, proceedings, basic communication techniques, terms in the field of biotechnologies and equipment engineering.

*Abilities:* to carry out research, to estimate its results and prospects, to prepare presentations and present reports in the field of biotechnologies and equipment engineering.

*Skills:* to present in English the results of research and professional activities.

**12. Course Content:**

**Module 1. Participation in international conferences. Preparation of speeches and presentations.**

Effective scientific communication at international events. Linguistic and stylistic features of modern scientific discourse. Tactics and strategy for preparing a successful public speech. Requirements for a scientific report. Recommendations for the layout, content, and design of presentations. Reports and presentations in the field of biotechnologies and equipment engineering.

**Module 2. Key features of scientific and popular science communication in the field of biotechnologies and equipment engineering.**

Types of communication strategies in academic discourse. Features of scientific and popular science communication in English. Methodology for preparing and delivering a lecture. Lecture structure. Interactive lectures. Preparation and organization of a master class: checklist. Preparing and conducting webinars and classes in the format of electronic and distance learning. Essential video conferencing services and learning platforms. Preparation of cultural and educational events in the area of biotechnologies and equipment engineering.

**13. Intended Learning Outcomes:**

Knowledge: features of English for special purposes; basic principles of preparation and design of presentations and reports, lectures, and sci-pop events; basic communication techniques.

Abilities: to compose, to present reports in English, to prepare presentations; to use basic methods and techniques of communication in English to solve different problems of professional activities.

Skills: to think abstractly, to analyze, to synthesize the information received in English, to make prediction; to provide efficient and high-quality presentation and pitching of research and professional results

**14. Learning and Teaching Methods:**

**Passive:** lecture-visualization using presentation material, oral questioning.

**Active:** independent work with literature, scientific, educational and reference digital resources, performance of analytical tasks, creation of reproductive individual works (essays, scientific reports), independent production of texts with new settings.

**Interactive:** participation in practical classes, participation in discussions, presentation of project assignments in English. The course can be carried out partly or as a whole using electronic and distant educational system of University.

**15. Methods of Assessment/Final assessment information:**

Final assessment – credit. Assessment methods are interviews, individual tasks, particularly:

Work in practical classes – 40 points.

Project assignments – 60 points.

Students are expected to get at least 60 points in order to complete the course and up to 10 extra points manifesting impressive results during the study of the course reflected in presenting reports at international conferences.

**16. Reading List:**

Lillis, T. & Curry, M. J. (2010).  Academic writing in a global context: The politics and practices of publishing in English. Abingdon, Oxford, UK: Routledge. 224 p.

Mack Ch. A. (2018) How to write a good scientific paper, SPIE, USA – 110 p.

McCarthy M. & O'Dell F. (2016) Academic Vocabulary in Use, Vocabulary reference and practice, Cambridge University Press. 177 p.

Hewings M., Thaine C. (2012) Cambridge Academic English: C1 Advanced, Cambridge University Press. 178 p.

Tripathy, P., Tripathy, P.K. (2017) Fundamentals of Research. A Dissective View. Anchor Academic Publishing. 212 p.