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|  | **Course Syllabus** |

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

International Science Communication

**2. Academic Level:**

Master

**3. ECTS Credits:**

15 ECTS

**4. Semester:**

1,2,3 – autumn, spring, autumn semesters

**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 and written communication in English in scientific, academic, and professional fields, in particular in the area of nanoengineering and materials technology. Students learn how to prepare scientific papers and reports for international conferences, congresses, and forums in English. Students are also trained to take part in international programs and projects, apply for grants and scholarships.

* to increase the level of English proficiency,
* to increase the level of students’ communicative competence enabling them to solve professional problems in typical situations of business, academic and scientific intercultural interaction,
* to promote the results of scientific and professional activities,
* to facilitate students’ active integration into the international scientific and academic community.

**10. Course Aims:**

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

English B1

*Knowledge:* main features of EAP, basic requirements to publications, reports, presentations, and acknowledging sources.

*Abilities:* to carry out research, to estimate its results and prospects, to prepare abstracts, articles, reviews, surveys, etc.

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

**12. Course Content:**

**1 semester**

Module 1. Intercultural communication in the field of science.

Module 2.Written scientific communication. Business correspondence. Establishment and development of cooperation. Preparation and submission of applications for participation in grants and various events.

Module 3. Participation in international conferences. Preparation of speeches and presentations.

**2 semester**

Module 4. Key features of scientific and popular science communication in English. Preparation of lectures, master classes, practical classes, cultural and educational events.

Module 5. Preparation, translation and editing of academic texts.

**3 semester**

Module 6. Academic, scientific, and professional communication in English. Preparation and implementation of the project, paperwork.

**13. Intended Learning Outcomes:**

Knowledge: features of English for special purposes; basic principles of preparation and design of academic texts (abstracts, essays, reviews, articles, etc.).

Abilities: to compose, to translate and to edit academic texts in English; to use basic methods and techniques of communication to solve different problems of professional activities.

Skills: to think abstractly, to analyze, to synthesize the information received in English, to make prediction; to apply modern translation technologies and CAT programs that provide more efficient and high-quality translation of academic and professional texts.

**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:**

**Summative Assessment method: credit (1,2 semesters), differential credit (3 semester)**

Assessment methods are interviews, individual tasks, particularly:

Work in practical classes – 40 points.

Individual task (abstract) – 20 points.

Individual task (article) – 40 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 publishing articles in the international citation bases Scopus, Web of Science or participating in international conferences or events.

**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.