



Course title	Science Communication & Career Development
Institute/Division	Faculty of Computer Science and Mathematics/ Department of Computer Science
Course code	F-1.SC
Erasmus subject code*	11.3 Informatics, Computer Science
Number of contact hours**	45 lecture hours (45h)
Course duration	1 semester (Fall/Spring)
ECTS credits	6
Course description (max 100 words)	<p>The course introduces students to effective scientific communication in Informatics and Computer Science, covering principles of writing specialized texts and communicating results to both academic and non-academic audiences. Students learn strategies for career development, including navigating academic career paths, understanding how the thesis process is organized and how the scientific publication process works.</p> <p>The course also introduces students to methods of searching for scientific literature, including how to effectively use research databases. Students gain practical guidance on how to evaluate sources in the era of artificial intelligence, manage bibliographic data and work with tools for scientific writing, editing, and reference management.</p> <p>By the end of the course, students are able to communicate complex ideas clearly within their area of interest, locate and use high-quality source, and understand how to plan and develop their career in the future. They also develop the ability to critically assess and rely on trustworthy, verifiable sources, as well as practical skills needed to prepare a diploma thesis and/or a scientific publication.</p>
Literature	<ol style="list-style-type: none">1. Drake, J. M., & Han, B. A. (2025). How to write a scientific paper in fifteen steps. PLoS Computational Biology, 21, e1013505.2. Kruse, O., Rapp, C., Anson, C. M., Benetos, K., Cotos, E., Devitt, A., & Shibani, A. (2023). Digital writing technologies in higher education: Theory, research and practice. Springer Nature.3. IEEE Xplore Digital Library – Computer Science Collections. Available at: https://ieeexplore.ieee.org
Course type/organization	Lectures, computer laboratory classes
Assessment method	Written assignments and active participation during classes
Prerequisites	No prerequisites
Primary target group	Master students
Contact person	Filip Turza
Remarks	

*please insert one of the following codes:

- 11.0 Mathematics, Informatics
- 11.1 Mathematics
- 11.2 Statistics
- 11.3 Informatics, Computer Science
- 11.4 Artificial Intelligence
- 11.5 Actuarial Science
- 11.9 Others Mathematics, Informatics

**1 lecture hour=45 minutes