



Course Name:

Seminar II

Course Number: 20-940	Credit: 1
Program: Graduate	Course Type: Technical required
Prerequisite: -	Corequisite: -

Course Description (Objectives):

The aim of this course is to teach students essential skills for technical and scientific writing. Through practical exercises and critical reviews of research papers and dissertations, students will learn how to apply logical frameworks such as the pyramid principle, as well as scientific methods for literature review, technical writing, and manuscript peer review.

Course Content (outline):

- Writing a formal letter, email, CV, and resume
- Pyramid principle in writing
- Logic and structure in writing
- Tips to enhance technical writing skills
- Principles and rules of writing a paragraph
- Grammar and plagiarism checkers
- Literature review and research strategy
- Citation management
- Writing research papers and technical reports
- Critical review of research papers and technical reports
- Pros and cons of using AI in scientific manuscript preparation

References:

- R. A. Day and B. Gastel, *How to Write and Publish a Scientific Paper*. 9th ed. Cambridge University Press, 2022.
- B. Minto, *The Pyramid Principle: Logic in Writing and Thinking*. London: Financial Times/ Prentice Hall, 2010.
- L. G. Kirsznner and S. R. Mandell, *Patterns for College Writing: A Rhetorical Reader and Guide*. Bedford/St. Martin's, 2017.
- J. Kirkman and C. Turk, *Effective Writing: Improving Scientific, Technical and Business Communication*. Taylor & Francis, 2002.