

FALL 2025-2026
MDES 600
RESEARCH METHODOLOGY AND COMMUNICATION SKILLS
(Section: 02)

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Course Web : Look for “MDES 600 | Research Methodology and Communication Skills (Section 02) | Ozan ÖZKAN” on moodle.atilim.edu.tr
Lectures : Friday, 9:30-12:20
Class : Faculty of Engineering, Building A, 2017

Course Description

The objective of this course is to provide an understanding of research methods, research ethics and their implementation specifically in the field of Engineering. Students will learn how to use research methodologies, explore research studies, and write research proposals. They will also prepare an oral presentation on their research proposals.

Covered Topics

1. Introduction to Research Techniques and Effective Writing
2. Conducting Research and Effective Speaking
3. Code of Ethics and Plagiarism
4. Literature Review
5. Research Methods
6. Planning and Writing Research Proposal
7. Atilim’s Graduate School: Forms, Regulations and Thesis Guideline

Textbook

Not required. Lecture notes will be used.

Other Sources

- A Research Primer for Technical Communication: Methods, Exemplars, and Analyses, Michael A. Hughes, George A. Hughes, 2007, ISBN-13: 978-0805863352, Routledge, 2nd Edition.
- Research Methods for Engineers, David V. Thiel, 2014, ISBN-13: 978-1107610194, Cambridge University Press.
- A Guide to Writing as an Engineer, David Beer, David McMurrey, ISBN-13: 978-0470417010, Wiley.

Grading

Homework Assignments : 25%
Midterm : 35%
Term Project & Presentation : 40%