

Research Methodology

Course Introduction

Lecturer: Dr. A. Haghbin

Overview

- Course Description
- Course Content
- Grading and Course Policy
- References

Course Description

- The course will mix lectures with several assignments and discussions.
- The purpose is to put the learned into practice, deepen your understanding, and prepare you for your future research.
- The most important part of the course is to write a research paper. No need to submission, it is just a practice.

Course Content

- Introduction
- Overview of Research and its Methodology
- Selecting and Defining a Research Problem
- Literature Review
- Conducting the Research
- Writing a Research Proposal

Course Content

- Writing a Research Report
- Writing a Research Paper
- Presentation the Research Results

Grading Policy

- Review at least three paper
- Write a report
- Write a review paper
- Review research papers of your colleagues
- Present a research paper
- Review presentations of your colleagues

Course Policies

- Keeping Up
- Doing your own work
- In-class activities
- Be On time

Course References

- No specific text is required.
- Stock, M. A., *Practical Guide to Graduate Research*. McGraw-Hill, New York, 1985.
- Tiehy, H. J., and Fourdrinier, S., *Effective Writing for Engineers, Managers, Scientists*. 2nd edition, John Wiley & Sons, New York, 1988.
- Cousin, G., *Researching learning in higher education: An introduction to contemporary methods and approaches*. New York, NY: Routledge, 2009.

Course References

- <http://www.thomsonreuters.com/>
- Journal of Engineering Education,
<http://www.jee.org>

Any Question?

THANKS

Assignment	Assignment Due	Grade
Selecting a Subject	2021-06-14	5
Reporting Some References	2021-06-28	15
Writing a Report	2021-07-26	20
Writing a Survey Paper	2021-08-02	20
Reviewing a Colleague Paper	2021-08-09	10
Presenting the Research	2021-08-16	15
Final Exam		15