



**University of Sistan and
Baluchestan**

Department of Mechanical Engineering

Course title: Topics in Mechatronics

**Instructors: Tahereh Fanaei Sheikholeslami
Amin Behzadmehr**

Credits: 3

Description of the Course

This course concerns about methods in mechatronics and identifying the major topics and subtopics of the research or concepts relevant to the subject under consideration. The course introduces the language of research, ethical principles and challenges, and the elements of the research process within different methods. This course will help students by understanding comprehensive literature survey methods. The students:

- Should methodically analyze and synthesize quality archived work,
- Provide a firm foundation to a topic of interest and the choice of suitable research methodologies
- Demonstrate that the proposed work would make a novel contribution to the overall field of research.

Reference

- Various scientific publications related to the subjects under consideration

Course Details

Week	Contents	Works
1	Literature Review and Technical Reading 1	
2	Literature Review and Technical Reading 2	Report1
3	Literature Review and Technical Reading 3	Discussion1
4	Citation Methods1	Report2
5	Citation Methods2	Discussion2
6	Ethics in Engineering Research1	Report3
7	Ethics in Engineering Research2	Discussion3
8	Technical Writing and Publishing 1	Report4
9	Technical Writing and Publishing 2	Discussion4
10	Technical Writing and Publishing 3	Report5
11	Communicating Research Work: Presentation Skills 1	Discussion5
12	Communicating Research Work: Presentation Skills 2	Review Paper
13	Journals	Review Paper-continue
14	Seminar1	
15	Seminar2	
16	Review	

Evaluation

- Reports: 20%
- Discussion: 20%
- Seminar: 20%
- Review paper: 40%