



Jordan University of Science and Technology
Faculty of Engineering
Nuclear Engineering Department

NE100 Introduction In Engineering - JNQF Level: 7

First Semester 2023-2024

Course Catalog

1 Credit Hours. 1 Credit Hour. The objective of this freshman course is to introduce the engineering profession and provide high school admitted students with a wide summary of the different engineering disciplines and help them decide on a career in engineering. The course goes over the various areas of engineering with the related ethical constraints and real-world engineering applications

Text Book

| | |
|--------------------------|--|
| Title | Engineering Fundamentals: An Introduction to Engineering |
| Author(s) | Saeed Moaveni |
| Edition | 5th Edition |
| Short Name | Ref #1 |
| Other Information | Handouts will be available on elearning |

Instructor

| | |
|------------------------|---|
| Name | Mr. Neil Abu Ennab |
| Office Location | E2 L-2 |
| Office Hours | Sun : 10:30 - 12:30 Mon : 08:00 - 09:00 Tue : 10:30 - 12:30 Thu : 10:30 - 12:30 Thu : 13:30 - 14:30 |
| Email | nrabuennab@just.edu.jo |

Class Schedule & Room

Section 1:

Lecture Time: Sun : 18:00 - 19:00

Room: متزامن الحضور منصة الكترونية

Section 2:

Lecture Time: Sun : 19:00 - 20:00

Room: متزامن الحضور منصة الكترونية

Section 3:

Lecture Time: Mon : 18:00 - 19:00

Room: متزامن الحضور منصة الكترونية

Section 4:

Lecture Time: Mon : 19:00 - 20:00

Room: متزامن الحضور منصة الكترونية

Tentative List of Topics Covered

| Weeks | Topic | References |
|-------------------------------|---|------------|
| Weeks 1, 2 | Introduction to Engineering Profession | |
| Weeks 3, 4, 5, 6, 7, 8, 9, 10 | Introduction to Different Engineering Disciplines | |
| Week 11 | Engineering Ethics | |
| Week 12 | Computer Skills and Report Writing | |

| Mapping of Course Outcomes to Program Outcomes and NQF Outcomes | Course Outcome Weight (Out of 100%) | Assessment method |
|--|-------------------------------------|-------------------|
| The students will be able to describe the necessary basic knowledge in various engineering fields [1SO1] [1L7K1] | 60% | |
| The students will be able to define the basic engineering concepts. [1SO1] [1L7K1] | 40% | |

Relationship to Program Student Outcomes (Out of 100%)

| SO1 | SO2 | SO3 | SO4 | SO5 | SO6 | SO7 |
|-----|-----|-----|-----|-----|-----|-----|
| 100 | | | | | | |

Relationship to NQF Outcomes (Out of 100%)

| |
|------|
| L7K1 |
| 100 |

Evaluation

| Assessment Tool | Weight |
|-----------------|--------|
| Mid-term Exam | 60% |
| Final Exam | 40% |

| Policy | |
|-----------------|---|
| Attendance | Attendance will be checked at the beginning of each class. University regulations will be strictly followed for students exceeding the maximum number of absences. No makeup test will be given without an official university-approved excuse |
| Student Conduct | It is the responsibility of each student to adhere to the principles of academic integrity. Academic integrity means that a student is honest with him/herself, fellow students, instructors, and the University in matters concerning his or her educational endeavors. Cheating will not be tolerated in this course. University regulations will be pursued and enforced on any cheating incident. |

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