



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

NE591 Graduation Project (1)

First Semester 2019-2020

**Course Catalog**

1 Credit Hours. It provides students the opportunity to form teams and explore a nuclear engineering problem or issue within their field of study, understand the theory, background and application and apply their education to solving the problem for the benefit of the local community and society as a whole. Students produce a short report that documents the application of previous learning, experience, and knowledge to the problem at hand, and evaluates the results.

**Text Book**

|                          |   |
|--------------------------|---|
| <b>Title</b>             | Guidance and Notes delivered to students by the project adviser |
| <b>Author(s)</b>         | project advisor or committee                                    |
| <b>Edition</b>           | 1st Edition   |
| <b>Short Name</b>        | Ref. 1  |
| <b>Other Information</b> |   |

**Course References**

| Short name | Book name                             | Author(s)                    | Edition     | Other Information |
|------------|---------------------------------------|------------------------------|-------------|-------------------|
| Ref. 2     | NE Assessment Rubrics for BS projects | project advisor or committee | 1st Edition |                   |

**Instructor**

|                 |  |
|-----------------|--|
| Name            | <b>Dr. Khaled AL-Shboul</b>  |
| Office Location | E2 L-2   |
| Office Hours    | Sun : 11:30 - 12:30<br>Tue : 11:30 - 12:30<br>Wed : 11:30 - 14:30<br>Thu : 14:30 - 15:30 |
| Email           | kfshboul@just.edu.jo   |

| <b>Class Schedule &amp; Room</b>            |
|---|
| Section 1:<br>Lecture Time: U :-<br>Room: U |

| <b>Tentative List of Topics Covered</b>                              |   |                   |
|--|---|-------------------|
| <b>Weeks</b>   | <b>Topic</b>  | <b>References</b> |
| Weeks 1, 2, 3, 4,<br>5, 6, 7, 8, 9, 10,<br>11, 12, 13, 14,<br>15, 16 | Project preparation by forming teams supervised by faculty member, selecting the project scope; understand the theory, background and application. Understand the ethical and professional issues in engineering practice with continuous progress reporting. |                   |

| <b>Mapping of Course Outcomes to Program Student Outcomes</b>   | <b>Course Outcome Weight (Out of 100%)</b> | <b>Assessment method</b> |
|---|--|--------------------------|
| Identify the real problem and the most relevant needs and operational constraints. [12, 13, 14, 15, 17] | 20%  | Semester Progress Report |
| Analyze a project statement, brief, or proposal [11, 12, 13, 14, 15, 16, 17]                            | 56%  | Semester Progress Report |
| Learn how to cooperate, plan and communicate effectively [13, 15, 17]                                   | 24%  | Semester Progress Report |

| <b>Relationship to Program Student Outcomes (Out of 100%)</b> |    |    |    |    |   |    |
|---|----|----|----|----|---|----|
| 1   | 2  | 3  | 4  | 5  | 6 | 7  |
| 8   | 12 | 20 | 12 | 20 | 8 | 20 |

| <b>Evaluation</b>        |               |
|--------------------------|---------------|
| <b>Assessment Tool</b>   | <b>Weight</b> |
| Semester Progress Report | 100%          |

Date Printed: 2019-12-31