**Course description form**

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| 1. **Course Name**
 |
| Engineering profession ethics |
| 1. **Course Code**
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| E104 |
| 1. **Semester/Year**
 |
| Spring Semester/Fourth Year |
| 1. **The date this description was prepared**
 |
| 17 / 9 / 2023  |
| 1. **Available forms of attendance**
 |
| Face-to-Face theoretical lectures |
| 1. **Number of study hours (total) / number of units (total)**
 |
| 15/2 |
| 1. **Name of the course administrator**
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| Name: Assist. Lect. Ibrahim I. IbrahimEmail:ibrahem\_a@uodiyala.edu.iq  |
| 1. **Course objectives**
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| 1. Introducing the student to the concept of engineering ethics and identifying why it is important to study engineering ethics.2. Understand the distinction between professional and personal ethics, and know how ethical problem solving and engineering design are similar.3. Find out if engineering is a profession, understand what codes of ethics are, and study some of the codes of ethics of professional engineering societies.4. Introducing the student to the concept of management and the activities that individuals carry out to carry out the necessary work for the purpose of achieving goals, in addition to discussing production, ways to develop it, its types, and how to achieve optimal efficiency in production management. Also in this topic, choosing the most appropriate locations for the factory and its planning is discussed through studying the factors influencing its selection. Using the break-even point to compare between types of planning. | **Objectives of the study subject** |
| 1. **Teaching and learning strategies**
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|  Weekly lectures included providing students with the basics and topics related to the concept of the engineering profession from an ethical standpoint. Presenting a seminar to the student in front of his fellow students to enhance his self-confidence. | **The Strategy**  |
| 1. **Course structure**
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| **Evaluation method** | **Learning method** | **Required learning outcomes** | **Name of the unit or topic**  | **Hours** | **Week** |
| Daily, oral, monthly, written examinations and reports | Whiteboard and Data show | The student learns an introduction to engineering ethics and why it is important to study engineering ethics.And its applications in all engineering specializations. | Introduction to the ethical and professional responsibilities and develops engineering skills | 2 | 1-3 |
| Daily, oral, monthly, written examinations and reports | Whiteboard and Data show | The student learns how to distinguish between professional and personal ethics and learn how ethical problem solving and engineering design are similar. | The Engineer and engineering disciplines, Engineering Ethics Problem Solving, Introduction to engineering design, Engineering Communications Literature search skills. | 2 | 4-6 |
| Daily, oral, monthly, written examinations and reports | Whiteboard and Data show | The student learns codes of ethics, and studies some codes of ethics of professional engineering societies. . | Code of Ethics, Types of Codes of Ethics | 2 | 7-10 |
| Daily, oral, monthly, written examinations and reports | Whiteboard and Data show | During the academic course, the student learns an idea about engineering and scientific management and its relationship to the concept of industrial engineering and other sciences and learns about its duties in addition to marketing and marketing activities for the product. | Definition of management, management duties, scientific management, management and other sciences, deployment activities, advertisements, products transfer, products storing, financial resources and risks, production factors, types of productions, markets, incomes and costs of productions. | 2 | 11-15 |
| 1. **Course Evaluation**
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| Distribution of the grade out of 100 according to the tasks assigned to the student, such as daily preparation, daily, oral, monthly, written exams, reports, etc. |
| 1. **Learning and teaching resources**
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| Engineering Ethics, 4th Edition, Charles B., (2011)**.** | Required textbooks (methodology, if any) |
| Lectures provided by the subject teacher.Books available in the college library | Main references (sources) |
|  | Recommended supporting books and references (scientific journals, reports....) |
| All websites that explain the ethics of the engineering profession | Electronic references, Internet sites |