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| **COLLEGE OF ENGINEERING**  **DEPARTMENT**  **Course Number / Course title**  **Semester** |
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| **Instructor Information** |
| Name:  Academic Title:  Office:  Phone:  E-mail:  Office Hours: |
| **TA Information** |
| Name:  Office:  Phone:  E-mail:  Office Hours: |
| **Class/Laboratory Schedule** |
| Day/Time/Location |
| **Coordinator Information** |
| Name/Email/Office/Phone number |
| **Course Information** |
| Catalog Description:  Credits:      Contact Hours:  Prerequisites:  Textbook(s):  References:  Course Objectives:  Course Learning Outcomes (CLOs):  Relationship of Course Learning Outcomes (CLOs) to Student Outcomes (SOs):   |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | **Course Learning Outcomes**  **(CLOs)** | **Related Student Outcomes (SOs)** | | | | | | | | **1** | **2** | **3** | **4** | **5** | **6** | **7** | | **1** |  |  |  |  |  |  |  | | **2** |  |  |  |  |  |  |  | | **3** |  |  |  |  |  |  |  | | **4** |  |  |  |  |  |  |  | | **5** |  |  |  |  |  |  |  | | **6** |  |  |  |  |  |  |  | | **7** |  |  |  |  |  |  |  |   *Student Outcomes (SOs)*   1. An ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics 2. An ability to apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors. 3. An ability to communicate effectively with a range of audiences 4. An ability to recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts 5. An ability to function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives. 6. An ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions 7. An ability to acquire and apply new knowledge as needed, using appropriate learning strategies.   Topics Covered:   |  |  |  |  | | --- | --- | --- | --- | | **Topics** | **Chapter\*** | **Section\*** | **Weeks** | |  |  |  |  | |  |  |  |  | |  |  |  |  | |  |  |  |  | |  |  |  |  | |  |  |  |  | |  |  |  |  | |  |  |  |  | |  |  |  |  | | Total |  |  |  |   \*Optional |
| **Method of Instruction** |
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| **Assessment Methods and Grading Policy** |
| Homework:  Quizzes:  Projects:  Midterm Exam:  Final Exam:  Active Participation/Others: |
| **ABET Contribution of Course to Professional Component** |
| Subject Area (Credit Hours)  College-Level Math & Basic Science :  Engineering :  Engineering Design :  Broad Education : |
| **Computer/Software Usage** |
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| **Laboratory Projects** |
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| **Course Ground Rules** |
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| **University Code of Conduct** |
| QU expects its students to adopt and abide by the highest standards of conduct in their interaction with professors, peers, staff members and the wider university community. Moreover, QU expects its students to act maturely and responsibly in their relationships with others. Every student is expected to assume the obligations and responsibilities required from them for being members of the QU community.  As such, a student is expected not to engage in behaviors that compromise their integrity, as well as the integrity of QU. Further information regarding the University Code of Conduct may be found on the web at <http://www.qu.edu.qa/students/code-of-conduct>  **Use of Artificial Intelligence (AI) Tools**  In accordance with Article 6 of the Student Code of Conduct at Qatar University, academic violations include a range of actions, one of which pertains to submitting work that is not the individual's own production. This includes using creative artificial intelligence tools such as ChatGPT to produce content, images, videos, or programming code and presenting it as original work.  Therefore, students are cautioned that using artificial intelligence tools such as ChatGPT or any similar tools to produce academic content and present it as their own work is considered plagiarism, exposing the student to disciplinary penalties as stipulated in Qatar University's Student Code of Conduct. In light of this, we urge all students to adhere to ethical standards in all assignments and academic work, and to seek guidance from the course instructor when unsure about the proper and ethical use of artificial intelligence sources in completing assignments, duties, and academic tasks. |
| **Support for Students with Special Needs** |
| It is Qatar University policy to provide educational opportunities that ensure fair, appropriate and reasonable accommodation to students who have disabilities that may affect their ability to participate in course activities or meet course requirements. Students with disabilities are encouraged to contact their Instructor to ensure that their individual needs are met. The University through its Inclusion and Special Needs Support Center will exert all efforts to accommodate for individuals’ needs.  Contact Information for Inclusion and Special Needs Support Center:  Tel-Female: (00974) 4403 7972  Tel-Male: (00974) 4403 7946  Location: Student Activities Building  Email: [specialneeds@qu.edu.qa](mailto:specialneeds@qu.edu.qa) |
| **Academic Support and Learning Resources** |
| The University Student Learning Support Center (SLSC) provides academic support services to male and female students at QU. The SLSC is a supportive environment where students can seek assistance with academic coursework, writing assignments, transitioning to college academic life, and other academic issues. SLSC programs include: Peer Tutoring, the Writing Lab, Writing Workshops, and Academic Success Workshops. Students may also seek confidential academic counseling from the professional staff at the Center.  Contact Information for Students Support and Learning Resources:  Tel: (00974) 4403 3870  Fax: (00974) 4403 3871  Location: Female Student Activities Building  E-mail: [learningcenter@qu.edu.qa](mailto:learningcenter@qu.edu.qa) |
| **College of Engineering Learning Support** |
| The Engineering Success Oasis (ESO) provides academic support services to all students registered in Engineering courses at QU. We provide academic assistance through group and one-on-one tutoring, tailored major programs, and various workshops. Support schedules are announced at the beginning of semesters.  Contact Information for College of Engineering Learning Support:  Females  Tel: (00974) 4403 6380  Email: [CENG.SuccessOasis.F@qu.edu.qa](mailto:CENG.SuccessOasis.F@qu.edu.qa)  Males  Tel: (00974) 4403 6380  Email: [CENG.SuccessOasis.M@qu.edu.qa](mailto:CENG.SuccessOasis.M@qu.edu.qa)  **Sessions' Booking**  Females  1- One-to-one sessions’ registration via Simplybook:  <https://crulearningfemales.simplybook.me>  2- Weekly sessions via email invitation from Engineering Success Oasis (ESO)  Males  1- One-to-one sessions’ registration via Simplybook:  <https://crulearningmales.simplybook.me>  2- Weekly sessions via email invitation from Engineering Success Oasis (ESO) |
| **Student Complaints Policy** |
| Students at Qatar University have the right to pursue complaints related to faculty, staff, and other students.  The nature of the complaints may be either academic or non-academic.  For more information about the policy and processes related to this policy, you may refer to the student handbook. |
| **Declaration** |
| This syllabus and contents are subject to changes in the event of extenuating circumstances. The instructor (with approval of the Head of Department) reserves the right to make changes as necessary. If changes are necessitated during the term of the course, the students will be notified by email communication and posting the notification on the online teaching tool Blackboard. It is the student’s responsibility to check on announcements made while they were absent.  Faculty Name:  Last Modified:  Date: |