



Course Specification

— (Bachelor)

Course Title: **Computer Engineering Seminar**

Course Code: **CENX 390**

Program: **B.S. in Computer Engineering**

Department: **Department of Computer Engineering**

College: **College of Computer and Information Sciences**

Institution: **King Saud University**

Version: *Course Specification Version Number*

Last Revision Date: *Pick Revision Date.*

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A. General information about the course:

1. Course Identification

1. Credit hours: (1 hours)

2. Course type

A. ☐ University ☐ College ☒ Department ☐ Track ☐ Others
B. ☒ Required ☐ Elective

3. Level/year at which this course is offered: (Level 7)

4. Course general Description:

The main goal of this course is to improve students' research and report writing skills in preparation for their graduation projects. It also exposes students to current research topics in computer engineering. Students conduct a small research project on a relevant subject and write a formal report along with an oral presentation.

5. Pre-requirements for this course (if any):

ENGL 110, Technical Writing

6. Co-requirements for this course (if any):

7. Course Main Objective(s):

The main goal of this course is to improve students' research and report writing skills in preparation for their graduation projects. It also exposes students to current research topics in computer engineering. Students conduct a small research project on a relevant subject and write a formal report along with an oral presentation.

2. Teaching mode (mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	1 hours per week	100%
2	E-learning		
3	Hybrid - Traditional classroom - E-learning		
4	Distance learning		



3. Contact Hours (based on the academic semester)

No	Activity	Contact Hours
1.	Lectures	15
2.	Laboratory/Studio	
3.	Field	
4.	Tutorial	
5.	Others (specify)	
Total		15

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Code of CLOs aligned with program	Teaching Strategies	Assessment Methods
1.0	Knowledge and understanding			
1.1	Recognize professional and ethical code of conduct.	4	Lectures	Oral Presentation and Report
2.0	Skills			
2.1	Present scientific and technical topics effectively using oral presentation tools.	3	Lectures and Seminars	Oral Presentation
2.2	Acquire the skill to learn and apply new knowledge as needed.	7	Lectures and Seminars	Oral Presentation
3.0	Values, autonomy, and responsibility			
3.1	Write a well-organized technical report per specified guidelines.	3	Lectures	Report

C. Course Content

No	List of Topics	Contact Hours
1.	Professional ethics in the context of computer engineering: IEEE code of ethics, writing ethics, legal and ethical issues in software development	2
2.	Research skills: research report organization and formatting	2
3.	Research skills: referencing and bibliography management	2



4.	Guidelines for good research paper	1
5.	Guidelines for effective oral presentation	1
6.	Student presentations	7
Total		15

D. Students Assessment Activities

No	Assessment Activities *	Assessment timing (in week no)	Percentage of Total Assessment Score
1.	Assignments	1-15	30%
2.	Oral Presentation	8-15	30%
3.	Report	End	40%

*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.).

E. Learning Resources and Facilities

1. References and Learning Resources

Essential References	
Supportive References	
Electronic Materials	https://lms.ksu.edu.sa
Other Learning Materials	

2. Required Facilities and equipment

Items	Resources
facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	Lecture room with number of seats enough to accommodate enrolled students.
Technology equipment (projector, smart board, software)	Overhead projector with required software to facilitate presentations on smart board.
Other equipment (depending on the nature of the specialty)	

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching	Department Council	Course reports are evaluated by the Department Council.
Effectiveness of Students assessment	Faculty-Peer Review	Final examination is moderated.



Assessment Areas/Issues	Assessor	Assessment Methods
Quality of learning resources	Students	Indirect – Edu-gate survey.
The extent to which CLOs have been achieved	Students	Attainment level of every CLO is measured directly.
Other		

Assessors (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify))

Assessment Methods (Direct, Indirect)

G. Specification Approval

COUNCIL /COMMITTEE	
REFERENCE NO.	
DATE	

