Course Specification
(Bachelor)

Course Title:	Special Topics in Surveying
Course Code:	CE 4803
Program:	Bachelor of Science in Civil Engineering
Department:	Civil Engineering Department
College:	College of Engineering and Architecture
Institution:	Umm Al Qura University
Version:	1
Last Revision Date:	31 January 2025

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A. General information about the course:

1. Course Identification

1. Credit hours: (3)					
2. Course type					
A.	☐University	☐College	☒ Department	☐Track	Others
B.	☐Required		☒ Elective		
3. Level/year at which this course is offered: (9, 10)					
4. Course General Description:					
This course covers advanced selected topics in surveying engineering in accordance with the needs of the student and the guidance of the supervisor.					
5. Pre-requirements for this course (if any)**:**					
Department Approval					
6. Co-requisites for this course (if any)**:**					
7. Course Main Objective(s):					
To give the student the opportunity to attend one of the special surveying engineering topics that he might encounter during his studying. The topics should take into consideration the student's background, interests, and the requirements for his practical and research projects.					

2. Teaching mode (mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	45	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**	45
2.	**Laboratory/Studio**	
3.	**Field**	
4.	**Tutorial**	
5.	**Others (specify)**	
Total		45

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

Code	Course Learning Outcomes	Code of PLOs aligned with the program	Teaching Strategies	Assessment Methods
1.0	**Knowledge and understanding**			
1.1	It depends about the topic to be selected by the supervisor and it should follow the program Learning Outcomes Assessment Methods.		Lecture, Discussions	Written Exam
2.0	**Skills**			
2.1	It depends about the topic to be selected by the supervisor and it should follow the program Learning Outcomes Assessment Methods.		Lecture, Discussions	Written Exam
3.0	**Values, autonomy, and responsibility**			
3.1	It depends about the topic to be selected by the supervisor and it should follow the program Learning Outcomes Assessment Methods.		Lecture, Discussions	Written Exam

C. Course Content

No	List of Topics	Contact Hours
	To be specified by the supervisor and depends about the chosen topics.	45
	Total	**45**

D. Students Assessment Activities

No	Assessment Activities *	Assessment timing (in week no)	Percentage of Total Assessment Score
1.	Assignments	2, 4, 6, 10, 12	10%
2.	Mid Term Exam	8	30%
3.	Report & Presentation	15	10%
4.	Final Exam	16	50%

*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	To be specified by the supervisor and depends about the selected topics.
Supportive References	To be specified by the supervisor and depends about the selected topics.
Electronic Materials	To be specified by the supervisor and depends about the selected topics.
Other Learning Materials	To be specified by the supervisor and depends about the selected topics.

2. Required Facilities and equipment

Items	Resources
facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	To be specified by the supervisor and depends about the selected topics.
Technology equipment (projector, smart board, software)	To be specified by the supervisor and depends about the selected topics.
Other equipment (depending on the nature of the specialty)	To be specified by the supervisor and depends about the selected topics.

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching	Faculty members who teach this course	• Students questioners running at the semester end. • Analysis of students` marks Regular feedback of the students about the course and the teaching methods
Effectiveness of Students assessment	Faculty members who teach this course.	Regular revising and improving of the course contents.
Quality of learning resources	Program Leaders	Frequent improvement for teaching and learning techniques.
The extent to which CLOs have been achieved	Independent member(s) teaching staff	A sample of students' answer sheets is revised by a specified committee of the department
Other		

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

Assessment Methods (Direct, Indirect)

G. Specification Approval

COUNCIL /COMMITTEE	**CIVIL ENGINEERING COUNCIL**
REFERENCE NO.	**THE FIFTEENTH SESSION OF THE ACADEMIC YEAR 1446**
DATE	**30 APRIL 2025**

