Ministry of Higher Education and Scientific Research
Supervision and Scientific Evaluation Authority
Department of Quality Assurance and Academic Accreditation

Academic Program Description Form for Colleges and Institutes
Academic Year

University: Shatt Al-Arab
College/Institute: Engineering
Scientific Department: Civil
Date of Form Completion: 01/09/2024

Signature **Signature**
Name of Head of Department:

Asst. Lecturer Nabeel Najm Abdullah **Name of Scientific Assistant:** Dr. Jawad Kadhim

Reviewed by:
Quality Assurance and University Performance Division
Name of Division Director: Dr. Jasem Mohsen Yasser

Signature:

الدكتور
جاسم محسن ياسر
Dr.Jasim Al-Battat

جامعة شط العرب
كلية الهندسة
العمادة
SHATT AL-ARAB UNIVERSITY

أ.م.د.احسان قاسم محمد
عميد كلية الهندسة

Dean's Approval

TEMPLATE FOR COURSE SPECIFICATION

HIGHER EDUCATION PERFORMANCE REVIEW: PROGRAMME REVIEW

COURSE SPECIFICATION

The model description provides a brief description of the main features of the course and the scientific outputs that the model student is expected to achieve if the student takes advantage of the learning opportunities available for the course. It should be compared with the description of the program.

1. Teaching Institution	Shatt Al-Arab University
2. University Department/Centre	Civil Engineering Department
3. Course title/code	**Computer applications-2**
4. Modes of Attendance offered	Class attendance
5. Semester/Year	2nd semester / 3rd year
6. Number of hours tuition (total)	30 hrs.
7. Date of production/revision of this specification	2024
8. Aims of the Course	
The course aims to introduce the principles of structural analysis and design of buildings using ETABS software.	

9· Learning Outcomes, Teaching, Learning and Assessment Method
A- Cognitive objectives A1- Structural analysis and design of structures using ETABS program. B- Course specific skill objectives. B1- Using ETABS program for the purpose of analyzing and designing structures.

Teaching and Learning Methods
•Theoretical lectures, practical lectures, small discussion groups, presentation of scientific films, and writing reports.
Assessment methods
• Interacting within the lecture. • Homework and reports. • Short exams (quizzes). • Semester and final exams.
C. Thinking Skills C1- Attention: Arousing the students' attention by implementing one of the applied programs on the display screen in the hall. C2- Response: Follow up the student's interaction with the material displayed on the screen. C3- Attention: Follow up on the interest of the student who interacted more with the presented material, by increasing this interaction by requesting other programs and applications to display. C4 - Forming the direction: meaning that the student is sympathetic to the presentation and may have an opinion about the direction of the presented topic and defend it. C 5- Formation of value behavior: meaning that the student reaches the top of the emotional ladder, so that he has a stable level in the lesson and does not become lazy or fidgety.

Teaching and Learning Methods
• The usual theoretical presentation method using the writing board and depending on the style (how and why) of the subject and according to the curriculum of the subject. • The theoretical presentation method using the (data show) device and depending on the method (how and why) of the subject and according to the subject curriculum. • The method of laboratory display using special devices for measuring the different properties of the substance under experiment.
Assessment methods
• Direct questions in a manner (how and why) for the subject during the theoretical and practical lecture. • Sudden exams during the theoretical and practical lecture. • Quarterly exams for the theoretical and practical side.

• Final exams for the theoretical and practical side.
D. General and Transferable Skills (other skills relevant to employability and personal development) D1- Develop the student's ability to perform the duties and deliver them on time D2 - Logical and programmatic thinking to find programmatic solutions to various problems D3 - developing the student's ability to dialogue and debate D4 - Develop the student's ability to deal with modern technology, especially the Internet

10. Course Structure					
Week	Hours	ILOs	Unit/Module or Topic Title	Teaching Method	Assessment Method
1	2	Introduction to Etabs	Introduction to Etabs	**Practical**	Practical exam
2	2	Modelling of the Structures	Modelling of the Structures	**Practical**	Practical exam
3	2	Modelling of the Structures	Modelling of the Structures	**Practical**	Practical exam
4	2	Modelling of the Structures	Modelling of the Structures	**Practical**	Practical exam
5	2	Loading Definition	Loading Definition	**Practical**	Practical exam
6	2	Loading Application	Loading Application	**Practical**	Practical exam
7	2	Lateral Loads	Lateral Loads	**Practical**	Practical exam
8	2	Structural Analysis	Structural Analysis	**Practical**	Practical exam
9	2	Results Display	Results Display	**Practical**	Practical exam
10	2	Results Display	Results Display	**Practical**	Practical exam
11	2	Reinforced Concrete Frame Design	Reinforced Concrete Frame Design	**Practical**	Practical exam
12	2	Steel Frame Design	Steel Frame Design	**Practical**	Practical exam
13	2	Steel Frame Design	Steel Frame Design	**Practical**	Practical exam
14	2	Export and Import Files	Export and Import Files	**Practical**	Practical exam

15	2	Export and Import Files	Export and Import Files	**Practical**	Practical exam

11. Infrastructure	
1- Required reading: · Books · COURSE MATERIALS · OTHER	Etabs Manuals
2. Key references (sources)	
A- Recommended books and references (scientific journals, reports ,....	
B- Electronic references, websites	Reputable websites. Libraries sites in some international universities.

12. Course development plan
Adding new subjects to the curricula within the development of the course by no more than 5%. Adding new references