

Kingdom of Saudi Arabia

The National Commission for Academic Accreditation & Assessment

T5. COURSE REPORT (CR)

355CE-3

Steel Structures

A separate Course Report (CR) should be submitted for every course and for each section or campus location where the course is taught, even if the course is taught by the same person. Each CR is to be completed by the course instructor at the end of each course and given to the program coordinator

A combined, comprehensive CR should be prepared by the course coordinator and the separate location reports are to be attached.

Course Report

For guidance on the completion of this template refer to the NCAAA handbooks.

Institution: Najran University	Date of CR: 10/03/2017
College/Department: College of Engineering / Civil Engineering	

A- Course Identification and General Information:

1. Course title and code: Steel Structures (355CE-3)						
2. Name of course instructor: Dr. Moustafa Abdulrahim Hassan Mohamedsalih					3. Location : Main Campus	
3. Year and semester to which this report applies: 4 th Year/8 th Semester.						
4. Number of students starting the course?		24	5. Students completing the course?		18	
5. Course components (actual total contact hours and credits per semester)						
	Lecture	Tutorial	Laboratory/ Studio	Practical	Other:	Total
Contact Hours	45	15				60
Credit	3	1				4

B- Course Delivery:

1. Coverage of Planned Program			
Topics Covered	Planned Contact Hours	Actual Contact Hours	Reason for Variations if there is a difference of more than 25% of the hours planned
Introduction to structures steel design.	6	6	
Design of tension members.	12	12	
Design of compression members.	12	12	
Design of beams.	6	6	
Design of beam column (under eccentric normal force).	3	3	
Design of connections.	6	6	

2. Consequences of Non Coverage of Topics:

For any topics where the topic was not taught or practically delivered, comment on how significant you believe the lack of coverage is for the course learning outcomes or for later courses in the program. Suggest possible compensating action.

Topics (if any) not Fully Covered	Effectuated Learning Outcomes	Possible Compensating Action

3. Course learning outcome assessment.

	List course learning outcomes	List methods of assessment for each LO	Summary analysis of assessment results for each LO
1	Design steel tension member	Assignments, midterm examinations, and final examination	
2	Design steel compression member.	Ditto	
3	Design steel beam.	Ditto	
4	Design steel beam column.	Ditto	
6	Design steel connections.	Ditto	

Summarize any actions you recommend for improving teaching strategies as a result of evaluations in table 3 above.

1. The subject should be divided into two courses, Steel Structures I, and Steel Structures II (The subject includes too much topics).
2. Computer applications should be inserted.
3. Site visits can be arranged.
4. Increased use of IT or web-based reference material
5. Consistently assigning problems to students, as an application to theoretical contents
6. Working on updating the objectives of the course as required.
7. The students should interact with teacher and within themselves to understand more accurately in the topics in which they are weak.

4. Effectiveness of Planned Teaching Strategies for Intended Learning Outcomes set out in the Course Specification. (Refer to planned teaching strategies in Course Specification and description of Domains of Learning Outcomes in the National Qualifications Framework)

List Teaching Methods set out in Course Specification	Were They Effective?		Difficulties Experienced (if any) in Using the Strategy and Suggested Action to Deal with Those Difficulties.
	No	Yes	
Knowledge 1. To recognize concepts of design of: <ul style="list-style-type: none"> • Tension member. • Compression member. • Beam. • Beam column. • Connections. 2. Identify the steel construction details. 3. Identify the parameter affecting steel design.		√	
Cognitive Skills Description of cognitive skills to be developed <ul style="list-style-type: none"> - Designing tension member. - Designing compression member. - Designing beam. - Designing beam column. - Designing connections. - Drawing details. 		√	
Interpersonal Skills & Responsibility Apply the engineering knowledge, techniques, and intellectual skills into professional applications.		√	
Communication, Information Technology, Numerical <ul style="list-style-type: none"> • Refer to relevant literature (hard and soft copy). • Search for information and engage in life-long self-learning discipline. • Effectively manage tasks, time, and resources. 		√	
Psychomotor: Not applicable		√	

Note: In order to analyze the assessment of student achievement for each course learning outcome, student performance results can be measured and assessed using a KPI, a rubric, or some grading system that aligns student work, exam scores, or other demonstration of successful learning.

C. Results:

1. Distribution of Grades:

Letter Grade	Number of Students	Student Percentage	Analysis of Distribution of Grades
A ⁺	0	0	
A	0	0	
B ⁺	2	11.1	
B	0	0	
C ⁺	2	11.1	
C	2	11.1	
D ⁺	2	11.1	
D	6	33.4	
F	4	22.2	
Denied Entry	24		
In Progress	18		
Incomplete	6		
Pass	14	78	
Fail	4	22	
Withdrawn	6		

2. Analyze special factors (if any) affecting the results

No

3. Variations from planned student assessment processes (if any) (see Course Specifications). NO

a. Variations (if any) from planned assessment schedule (see Course Specifications)

Variation	Reason

b. Variations (if any) from planned assessment processes in Domains of Learning (see Course Specifications)

Variation	Reason

4. Student Grade Achievement Verification (eg. cross-check of grade validity by independent evaluator).

Method(s) of Verification	Conclusion
Marks obtained in: <ul style="list-style-type: none"> • Assignment/class work 10% • Quizzes 10% • Mid-Term I 15% • Mid-Term II 15% • Final Exams 50% 	

D- Resources and Facilities:

1. Difficulties in access to resources or facilities (if any) <ul style="list-style-type: none"> • All Computing resources such as smart projectors are available in all class rooms. • Textbook, and all and reference material are not available. 	2. Consequences of any difficulties experienced for student learning in the course. None
--	--

E- Administrative Issues:

1 Organizational or administrative difficulties encountered (if any) None	2. Consequences of any difficulties experienced for student learning in the course. None
---	--

F- Course Evaluation:

1 Student evaluation of the course (Attach summary of survey results): No criticism.
a. List the most important recommendations for improvement and strengths: <ol style="list-style-type: none"> 1. The subject should be divided into two courses, Steel Structures I, and Steel Structures II (The subject includes too much topics). 2. Increased use of IT or web-based reference material 3. Working on updating the objectives of the course as required. 4. The students should interact with teacher and within themselves to understand more accurately in the topics in which they are weak.
b. Response of instructor or course team to this evaluation: Yes
2. Other Evaluation (eg. by head of department, peer observations, accreditation review, other stakeholders): Not available
a. List the most important recommendations for improvement and strengths: <ol style="list-style-type: none"> 1. The subject should be divided into two courses, Steel Structures I, and Steel Structures II (The subject includes too much topics). 2. Increased use of IT or web-based reference material 3. Consistently assigning problems to students, as an application to theoretical contents 4. Working on updating the objectives of the course as required.
b. Response of instructor or course team to this evaluation: None

G- Planning for Improvement:

1. Progress on actions proposed for improving the course in previous course reports (if any).			
Actions recommended from the most recent course report(s)	Actions Taken	Action Results	Action Analysis
a. Tutorial classes be arranged	Not taken		
b. Student's interest be improved through lectures/ site visits.	Taken, but no site visits.	Improved quite	
c. More quizzes related to weak CLO be given.	Not taken		
d. Student English proficiency be improved.	Not taken		
e. Grading in prerequisites with more weight on fundamentals.	Not taken		
2. List what other actions have been taken to improve the course (based on previous CR, surveys, independent opinion, or course evaluation):			

3. Action Plan for Next Semester/Year				
Actions Recommended for Further Improvement	Intended Action Points (should be measurable)	Start Date	Completion Date	Person Responsible
a. The subject should be divided into two courses, Steel Structures I, and Steel Structures II.		Beginning of the semester		Program
b. Increasing use of IT or web-based reference material.		Ditto	End of the semester	Program
c. Arrange tutorial classes.		Ditto	Ditto	Instructor
d. Working on updating the objectives of the course as required.		Ditto	Ditto	Instructor

Name of Instructor: Dr. Moustafa Abdulrahim Hassan Mohamedsalih.

Signature: Dr. Moustafa Hassan

Date Report Completed 14/03/2017

Program Coordinator: Dr. Abdulnoor Ghanim.

Signature:

Date Received: /3/2017