|  |  |
| --- | --- |
| **Course Title:**  | **Structural Steel Design 1** |
| **Code:** | **CE 320** |
| **Program:** | **Civil Engineering** |
| **Department:**  | **Civil & Environmental Engineering** |
| **Institution:** | **Majmaah University (College of Engineering)** |
| **Academic Year:** | **2018-2019 (1439-1440H)** |
| **Semester:** | **Second Semester** |
| **Course Coordinator:**  | **Dr. Ahmed M. Sayed** |
| **Date:** | **1/5/2019 (26/8/1440H)** |

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# A. Course Identification

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **No** | **Instructor(s)**  | **Location** | **Number of Sections** | **Number of Students** |
| Starting the course | Completing the course |
| 1 | Dr. Ahmed M. Sayed | Majmaah | 153 | 17 | 17 |

# B. Course Delivery

## 1. Course Contact Hours (per semester)

| **No.** | **Activity** | **Planned** | **Actual** |
| --- | --- | --- | --- |
| 1 | **Lecture** | 45 | 45 |
| 2 | **Laboratory/Studio** | - | - |
| 3 | **Tutorial** | - | - |
| 4 | **Others** (Specify) | 30 | 30 |
| **Total** | **75** | **75** |

## 2. Topics not Covered

| **Topics** | **Reason****for Not Covering** | **Extent of their Impact on Learning Outcomes** | **Compensating Action\*** |
| --- | --- | --- | --- |
| None | None | None | None |
|  |  |  |  |

\*Compensating actions already taken or suggested

## 3. Teaching Strategies

| **Planned Teaching Strategies**  | **Were They****Implemented?** | **Difficulties Experienced** (if any)**in Implementation** | **Suggested Action** |
| --- | --- | --- | --- |
| **Yes** | **No** |
| Course delivery by citing real life examples and problems. | Yes |  | None | None |
| Solving problems through assignments on each topic | Yes |  | None | None |
| Asking to students to suggest a solution | Yes |  | None | None |
| Site visits | Yes |  | None | None |

## 4. Activities/Assessment Methods

| **Activities/Planned Assessment Methods** | **Were They****Implemented?** | **Difficulties Experienced** (if any) **in Implementation**  | **Suggested Action** |
| --- | --- | --- | --- |
| **Yes** | **No** |
| Mid Term Exams and Final Exam | Yes |  | None | None |
| Assignments and Quizzes | Yes |  | None | None |
| Discussion | Yes |  | None | None |

## 5. Verification of Credibility of Students’ Results

| **Method(s) of Verification** | **Conclusions** |
| --- | --- |
| Assessment and evaluation committee | Normal |
|  |  |

|  |
| --- |
| 6. Recommendations: |
| None |

# C. Student Results

## 1. Distribution of Grades

|  | **Grades** | **Status Distributions** |
| --- | --- | --- |
| A+ | A | B+ | B | C+ | C | D+ | D | F | Denied Entry | In Progress | Incomplete | Pass | Fail | Withdrawn |
| **Number of****Students** | 3 | 3 | 4 | 1 | 2 | 0 | 1 | 3 | 0 | **0** | **0** | **0** | **17** | **0** | **0** |
| **Percentage** | 17.6 | 17.6 | 23.6 | 5.9 | 11.8 | 0 | 5.9 | 17.6 | 0 | 0 | 0 | 0 | 100 | 0 | 0 |

|  |
| --- |
| 2. Comment on Student Results(including special factors (if any) affecting the results) |
| Overall, the results were satisfactory and no action required. |
| 3.Recommendations  |
| The result seems to be normal distribution. |

# D. Course Learning Outcomes

## 1. Course Learning Outcomes Assessment Results

| **Course learning Outcomes****(CLOs)** | **PLOs Code** | **Assessment Methods** | **Assessment Results**  | **Comment on****Assessment Results** |
| --- | --- | --- | --- | --- |
| **Target Level/ Criterion for Success** | **Actual Level**  |
| **1** | **Knowledge:** |
| **1.1** | Describe tension and compression members. | K1 (a) | Quiz, Assignment and Exams | 70 | 96.1 | Satisfactory |
| **2** | **Skills:** |
| **2.1** | Analyze and design the beams. | S3 (e) | Quiz, Assignment and Exams | 70 | 98.0 | Satisfactory |
| **2.2** | Design the roofs of trusses. | S2 (c) | 70 | 78.4 | Satisfactory |
| **2.3** | Design welded and bolted connections. | S2 (c) | 70 | 84.3 | Satisfactory |
| **2.4** | Design the columns under eccentric loadings, column bases and their footings. | S2 (c) | 70 | 96.1 | Satisfactory |
| **3** | **Competence:** |
| **3.1** | Not applicable for this course |  |  |  |  |  |

|  |
| --- |
| 2. Recommendations  |
| The results were satisfactory for **Knowledge** and **Skills** and no action required. |

# E. Course Quality Evaluation

## 1. Students Evaluation of the Quality of the Course

|  |  |  |  |
| --- | --- | --- | --- |
| **Date of Survey:** | **Number of** **Participants:** | **Percentage of Participation:** | **Evaluation Result:** |
| **Students Feedback** | **Course Coordinator/Instructor Comments/Response** |
| **Strengths:*** Overall, students are satisfactory
 | No comments |
| **Areas for improvement:*** Not provided
 | No comments |
| **Suggestions for Improvement:*** No suggestions are provided
 | No comments |

## 2. Other Evaluations

(e.g., Evaluations by faculty, program leaders, peer reviewers, others)

|  |  |
| --- | --- |
| **Evaluation method :** | **Date:** |
| **Evaluator(s) Comments** | **Course Coordinator/Instructor Comments/Response** |
| **Strengths:*** Overall, results are satisfactory
 | No comments |
| **Areas for improvement:*** Not provided

 | No comments |
| **Suggestions for Improvement:*** Make revision of the course CE214.
 | Good suggestions |

\* Add separate table for each evaluation

|  |
| --- |
| 3.Recommendations: |
| The suggestions provided should be implemented and evaluated in the following semester. |

# F. Difficulties and Challenges

| **Difficulties and Challenges** | **Consequences**  | **Actions Taken** |
| --- | --- | --- |
| **Administrative Issues** |
| Some of students registered too late. | They did not attend the first week. | Make timely registration |
| **Learning Resources** |
| Some of the students do not used the refences that are available. | Students miss use of the library. | Encourage students to use references are available in library. |
| **Facilities** |
| Data show problem | Some late to begin the lecture. | Check the data show and fix the problem. |
|  |  |  |

#

# G. Course Improvement Plan

## 1. Course Improvement Actions

| **Recommended Actions** | **Actions Taken** | **Results** | **Comments** |
| --- | --- | --- | --- |
| **a. Previous course Report Recommendations** |
| Presentation | Power point and D2L tutorials | Good | No comments |
| Site visits | One site visit | Good | No comments |
| More exercises | Provided | Very Good | No comments |
| **b. Other Improvement Actions\***  |
| None |  |  |

\* (The developmental measures taken during teaching the course and not included in the development plan of it)

## 2. Action Plan for Next Semester/Year

| **Recommendations** | **Actions**  | **Responsibility****For Implementation** | **Time** | **Needed****Support** |
| --- | --- | --- | --- | --- |
| Start | End  |
| 1. Presentation
 | Ask students to prepare a presentation to increase their Confidence. | Instructor |  | End | None |
| 1. Site visits
 | To cover the practical aspect. | Department | Start |  | None |
| 1. More exercises
 | More time for exercises and encourages to solve problems in class. | Instructor | Start | End | None |

**Attachments:**



Figure 1



Figure 2



Figure 3



Figure 4



Figure 5

Name of Course Instructor: **Dr. Ahmed Mohamed Sayed Mohamed Elngaoy**

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