# COURSE SYLLABUS SEMESTER FALL 2020/2021

|  |  |
| --- | --- |
| Name of Course | Structural Analysis II |
| **Course Code** | MSB404AN |
| **Allotment of Hours per Week** | **3-4 Hours** |
| **Number of Credits** | **2** |
| **Program** | **BSc Civil Engineering** |
| **Evaluation** | Mid & final exam grade |
| **Semester** | **Autumn** |
| **Prerequisites** | Structural Analysis I |
| **Department** | Department of Civil Engineering |
| **Instructor** | **SAIED KASHKASH** |
|  |  |

##  OBJECTIVES

## CONTENTS

**Short description:** This course is aimed to provide basic and advanced knowledge on the principles of the calculations of statically indeterminate plane structures.
Topics covered by the course include:
**1. Influence Lines for Statically Determinate Structures**

**2. Displacement Method of Analysis: Moment Distribution**

**3. Approximate Analysis of Statically Indeterminate Structures**

**4. Three moment equation**

**Methodology:**

**Schedule:**

## ATTENDANCE AND GRADING

**Attendance:**

Attending is required all classes, and will impact the grade (max. 10%). Unexcused absences will adversely affect the grade, and in case of absence from more than 30% of the total number of lesson will be grounds for failing the class. To be in class at the beginning time and stay until the scheduled end of the lesson is required, tardiness of more than 20 minutes will be counted as an absence. In the case of an illness or family emergency, the student must present a valid excuse, such as a doctor's note.

**Grading:**

**Offered exam grade:**

Evaluation in percents Numeric grade

89%-100% 5

77%-88% 4

66%-76% 3

55%-65% 2

0-54% 1

## READINGS AND REFERENCE MATERIALS

1. R.C. Hibbeler Structural Analysis 8th Eddition