

Steel Structures I

2018 Fall - Syllabus

September 20, 2018

INS3531 Steel Structures I course plan is scheduled as follows;

- 1st Week - **Description of the course**
- 2nd Week - **Tension Members**
- 3rd Week - **Tension Members**
- 4th Week - **Compression Members**
- 5th Week - **Compression Members** (1st Homework hand-out)
- 6th Week - **Beams**
- 7th Week - **Beams** (1st Homework deadline)
- 8th Week - **Midterm exam**
- 9th Week - **Beam-column elements**
- 10th Week - **Beam-column elements** (2nd Homework hand-out)
- 11th Week - **Connection/Welds**
- 12th Week - **Connection/Welds** (2nd Homework deadline/3rd Homework hand-out)
- 13th Week - **Connection/Bolts**
- 14th Week - **Connection/Bolts** (3rd Homework deadline)
- 15th Week - **Final Exam**

Notes

1. Students may attend to midterm and final exam with **only** "Çelik Yapıların Tasarım, Hesap ve Yapım Esaslarına Dair Yönetmelik (Turkish Steel Code 2016)". Other course materials are not allowed.
2. Final score of the student is determined as the weighted average of **midterm exam (%30), homeworks (%10 each) and final exam (%40)**.
3. Lower bound for **DC** is **40**.
4. **Attendance** will be taken into consideration for both theoretical and practical lectures. At the end of term, students with the attendance lower than **%70** will get **F0**.
5. Exam duration for both final and midterm exams is estimated as 110 minutes.
6. Students are expected to attend the lectures of their own groups which they are registered. Transitions between groups are not allowed.
7. Recommended resources for this course;
8. Ders için önerilen kaynaklar:
 - W. Segui, "Steel Design", 5th Ed., Cengage Learning, 2011
 - C.G. Salmon, J.E. Johnson, F.A. Malhas, "Steel Structures: Design and Behavior Emphasizing LRFD", 5th. Ed., Pearson, 2009
 - Çevre ve Şehircilik Bakanlığı, "Çelik Yapıların Tasarım, Hesap ve Yapım Esaslarına Dair Yönetmelik", 2016