



Course Name:

Steel Design II

Course Number: 20-224	Credit: 2
Program: Undergraduate	Course Type: Technical required
Prerequisite: Steel Design I	Corequisite: -

Course Description (Objectives):

The course covers the design of steel connections and more advanced design of steel members.

Course Content (outline):

- **Chapter 1:** Plate Girders
- **Chapter 2:** Connections: Bolted connections . Welded Connections . Building Connections: simple and rigid. Beam and Column Splices. Column Base Plates and Beam Bearing Plates
- **Chapter 3:** Seismic Design

References:

- Steel Structures: Design and Behavior, C. G. Salmon and J. E. Johnson, Prentice Hall.
- Structural Steel Design, J. C. McCormac, Prentice Hall.
- LRFD Steel Design, W. T. Segui, Thomson- Canada.
- Iranian Building Code, Chapter 10.
- AISC/ANSI 360. AISC/ANSI 341. AISC/ANSI 358.