

Design of Steel Structures to Eurocodes – course plan

Part 1 – EN 1993-1-1 – General rules for buildings

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The course will present rules for the design of steel structures according to Eurocode standards. The course will mainly cover EN-1993-1-1 – General rules for buildings, and EN-1993-1-8 – Design of joints. The presentation will include numerical examples, Q&A, and clarifications according to participants requests. The course will be delivered by Dr. Eng. Dalibor Gregor PhD., expert in EXCON design firm from Czech Republic, with the assistance of Dr. Edward Leibovich – Chairman of the chamber for seismic – Israeli association for engineering and infrastructures.

Lecture #	Date	Hours	Subject	Ref.
1	6.2.24	14:00-17:00	Introduction to Euro codes Basis of design – Actions, combinations,	EN1990 EN1991
2	20.2.24	14:00-17:00	Limit States, properties of steel. Models and methods of analysis.	EN1993-1-1
3	27.2.24	14:00-17:00	Resistance of cross sections. Tension members.	EN1993-1-1
4	5.3.24	14:00-17:00	Member resistance – Flexural buckling of compression members	EN1993-1-1
5	12.3.24	14:00-17:00	Members under bending lateral torsional buckling.	EN1993-1-1
6	19.3.24	14:00-17:00	Members under compression and bending (beam-column).	EN1993-1-1
7	26.3.24	14:00-17:00	Practical design examples.	EN1993-1-1
8	2.4.24	14:00-17:00	Practical design examples.	EN1993-1-1
9	9.4.24	14:00-17:00	Introduction to EN-1993-3 – 1 Mast and Towers	EN-1993-3-1