

Master in "Design of Steel Structures"  
 4<sup>th</sup> Edition - Academic Year 2010/11  
 Course of "Stability of Steel Structures"

	Day	Time	Hours	
<b>Week 1</b>				
	25/10/2010	11:30-13.30	2	<b>Stability of beam-columns:</b> Definitions, Euler problems, Critical load
	27/10/2010	11:30-13.30	2	<b>Stability of beam-columns:</b> Further theoretical details, exercises
<b>Week 2</b>				
	01/11/2010			
	03/11/2010			
<b>Week 3</b>				
	08/11/2010	11:30-13.30	2	<b>Stability of beam-columns:</b> Classification of steel sections
	10/11/2010	9:30-11.30	2	<b>Stability of beam-columns:</b> Stability checks of compressed members, Exercises
<b>Week 4</b>				
	15/11/2010	11:30-13.30	2	<b>Stability of beam-columns:</b> Stability checks of eccentrically compressed members
	17/11/2010	9:30-11.30	2	<b>Stability of beam-columns:</b> Exercises
<b>Week 5</b>				
	22/11/2010	11:30-13.30	2	<b>Stability of built-up members:</b> basic theory
	24/11/2010	9:30-11.30	2	<b>Stability of built-up members:</b> code provisions/laced members
<b>Week 6</b>				
	29/11/2010	11:30-13.30	2	<b>Stability of built-up members:</b> code provisions/battened members
	01/12/2010	9:30-11.30	2	<b>Stability of built-up members:</b> exercises
<b>Week 7</b>				
	06/12/2010	11:30-13.30	2	<b>Lateral-torsional buckling:</b> basic theory
	06/12/2010	14:30-16.30	2	<b>Lateral-torsional buckling:</b> code provisions
<b>Week 8</b>				
	13/12/2010	11:30-13.30	2	<b>Lateral-torsional buckling:</b> exercises
	13/12/2010	14:30-16.30	2	<b>Stability of steel plates:</b> basic theory, code provisions
	15/12/2010	9:30-11.30	2	<b>Stability of steel plates:</b> exercises
<b>Week 9</b>				
	20/12/2010	11:30-13.30	2	<b>Structural analysis:</b> general concepts
	20/12/2010	14:30-16.30	2	<b>Structural analysis:</b> code provisions and practical methods for design
	22/12/2010	9:30-11.30	2	<b>Structural analysis:</b> exercises
<b>Week 9</b>				
	17/01/2011		4	<b>Final exam</b>