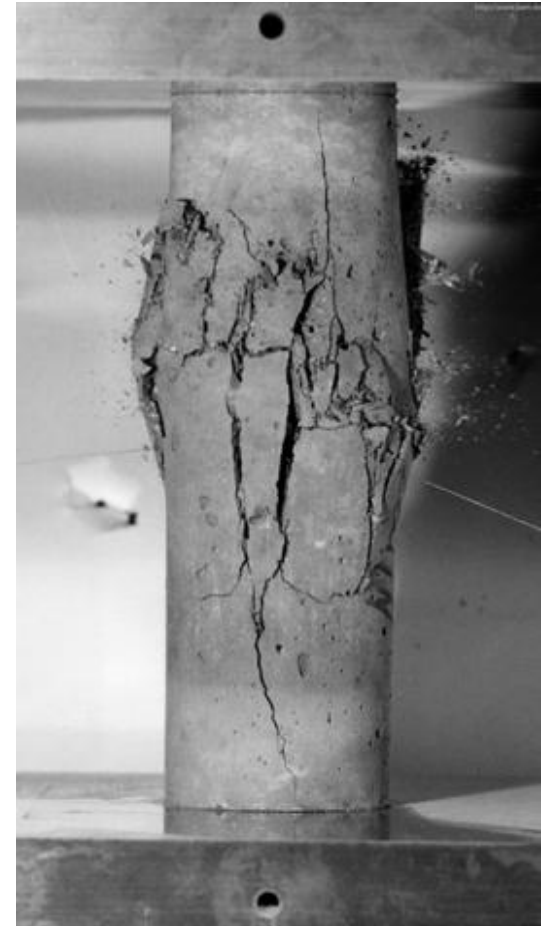


# BEHAVIOUR AND NUMERICAL MODELLING OF REINFORCED CONCRETE MEMBERS

## *Program*



*Strength refers to the ability of a structure to resist loads without failure.*

Week	Date	Schedule	Course Content	Others
I	21.09.11	09h15 - 12h00	Course introduction + Compressive Response (Columns) <i>Matlab Instructions</i>	Assignment #1 + Assignment #1 Q&A
II	28.09.11	09h15 - 12h00	Compressive Response (Columns) <i>Matlab Interfaces (GUIs)</i>	<b>Assignment #1 Due</b> + Assignment #2
III	05.10.11	09h15 - 12h00	Compressive Response (Walls) <i>In-Class Exercise on Testing of Columns</i>	Assignment #2 Q&A
IV	12.10.11	09h15 - 12h00	Tensile Response -	<b>Assignment #2 Due</b> + Assignment #3
V	19.10.11	09h15 - 12h00	Response of Membrane Elements -	Assignment #3 Q&A
VI	26.10.11	09h15 - 12h00	Response of Membrane Elements -	Assignment #3 Q&A
VII	02.11.11	09h15 - 12h00	2D Continuum FEA Tools -	<b>Assignment #3 Due</b> + Assignment #4
VIII	09.11.11	09h15 - 12h00	Experimental Measurements and Analysis -	Assignment #4 Q&A + Project Explained
IX	16.11.11	09h15 - 12h00	Model Validation -	<b>Assignment #4 Due</b>
X	23.11.11	09h15 - 12h00	Fracture -	-
XI	30.11.11	09h15 - 12h00	Bond -	-
XII	07.12.11	09h15 - 12h00	Beams with Shear	-
XIII	14.12.11	09h15 - 12h00	<b>Term Test</b>	-
XIV	21.12.11	09h15 - 12h00	<b>Project Presentations</b>	-