

Со	urse (Outline	The Concrete Centr
Lecture	Date	Speaker	Title
1	21 Sep	Charles Goodchild	Introduction, Background and Codes
2	28 Sep	Charles Goodchild	EC2 Background, Materials, Cover and effective spans
3	5 Oct	Paul Gregory	Bending and Shear in Beams
4	12 Oct	Charles Goodchild	Analysis
5	19 Oct	Paul Gregory	Slabs and Flat Slabs
6	26 Oct	Charles Goodchild	Deflection and Crack Control
7	2 Nov	Paul Gregory	Detailing
8	9 Nov	Jenny Burridge	Columns
9	16 Nov	Jenny Burridge	Fire
10	23 Nov	Jenny Burridge	Foundations



































Is the Column Slender? Cl. 5.8.2, 5.8.3.1 5.6.1	The Concrete Centre
2 nd order effects	Actions
Second order effects may be ignored if they are less than 10% of the corresponding first order effects Second order effects may be ignored if the slenderness, λ is less than λ_{tim} where $\lambda_{tim} = 20 \ A \ B \ C / \int n$ With biaxial bending the slenderness should be checked separately for each direction and only need be considered in the directions where λ_{tim} is exceeded	Imperfections Slenderness, λ Effective length, l_0 Slenderness limit, λ_{lim} Ves Is $\lambda \ge \lambda_{lim}$? No Lesign Moments, M_{Ed} Calculate A _s Detailing

















































































