

**Programme of Seminars for  
Concrete and Masonry Structures 1 (133CM01)**

Seminar number	Seminar date	Task	Homework	Recommended submission date	Deadline (latest date for submission)
Seminar 1	Wed 27.9.23	<b>Task 1</b> Reinforced concrete frame	HW1 - Preliminary design of frame structure	04.10.2023	<b>13.10.2023</b>
Seminar 2	Wed 4.10.23		HW2 - Calculation of internal forces in frame structure	13.10.2023	<b>25.10.2023</b>
Seminar 3	<b>Fri 13.10.23</b>		HW3 - Reinforcement of the beam	25.10.2023	<b>01.11.2023</b>
Seminar 4	Wed 18.10.23		HW4 - Reinforcement of the column	25.10.2023	<b>01.11.2023</b>
			HW5 - Reinforcement drawing		
Seminar 5	Wed 25.10.23	<b>Task 2</b> Two-way slab	HW6 - Two-way slab supported on 4 edges	01.11.2023	<b>08.11.2023</b>
Seminar 6	Wed 1.11.23	<b>Task 3</b> Slab supported by columns	HW7 - Two-way slab supported on columns - dimensions, moments	08.11.2023	<b>15.11.2023</b>
Seminar 7	Wed 8.11.23		HW8 - Two-way slab supported on columns - bending and punching reinforcement	15.11.2023	<b>22.11.2023</b>
Seminar 8	Wed 15.11.23	<b>Task 4</b> Stiffening wall	HW9 - Design and assessment of stiffening walls	22.11.2023	<b>29.11.2023</b>
Seminar 9	Wed 22.11.23	<b>Task 5</b> Staircase design	HW10 - Reinforced concrete staircase - geometry design, loads, internal forces	29.11.2023	<b>06.12.2023</b>
Seminar 10	Wed 29.11.23		HW11 - Reinforced concrete staircase - reinforcement design, reinforcement drawing, structural drawing	06.12.2023	<b>13.12.2023</b>
Seminar 11	Wed 6.12.23	<b>Task 6</b> Pad footings	HW12 - Pad footings	13.12.2023	<b>20.12.2023</b>
Seminar 12	Wed 13.12.23		Homework consultations and submissions.		
Seminar 13	Wed 20.12.23		Homework consultations and submissions.		
			<b>Latest date for successful submission of homework and passing the seminars.</b>		<b>20.12.2023</b>