



**INSTITUTE OF CONCRETE TECHNOLOGY  
CONCRETE TECHNOLOGY & CONSTRUCTION  
Stage 1: CONCRETE PRACTICE  
Syllabus**

<b>1.00.00</b>	<b>Introduction to the course</b>
<b>1.01.00</b>	<b>Health and safety</b>
<b>1.02.00</b>	<b>Sustainability</b>
<b>1.03.00</b>	<b>The nature of concrete</b>
<b>1.04.00</b>	<b>Cements and additions</b>
<b>1.05.00</b>	<b>Natural aggregates</b>
<b>1.06.00</b>	<b>Admixtures</b>
<b>1.07.00</b>	<b>Mixing water</b>
<b>1.08.00</b>	<b>Concrete properties</b>
<b>1.09.00</b>	<b>Reinforcement</b>
<b>1.10.00</b>	<b>Plant for batching and mixing</b>
<b>1.11.00</b>	<b>Proportioning, batch and mixing</b>
<b>1.12.00</b>	<b>Transporting, handling and placing</b>
<b>1.13.00</b>	<b>Compaction</b>
<b>1.14.00</b>	<b>Curing</b>
<b>1.15.00</b>	<b>Formwork and Falsework</b>
<b>1.16.00</b>	<b>Surface finish</b>
<b>1.17.00</b>	<b>Joints</b>
<b>1.18.00</b>	<b>Light-weight and heavy-weight concretes</b>
<b>1.19.00</b>	<b>Testing and inspection</b>

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