



## COURSE DETAILS

**Units of Credit**            6

**Workshop**                    Wednesday, 19:00 – 20:00            Online

**Course Coordinator  
and Lecturer**



2.	<i>Apply the fundamentals of cementitious materials to real world engineering problems</i>	<i>PE1.2, PE2.2, PE2.3</i>
3.	<i>Design the concrete mixtures to meet the structure requirement</i>	<i>PE1.5, PE1.6, PE2.3, PE2.5</i>
4.	<i>Describe the mechanisms of deterioration of concrete and use the preventive methods to promote durability.</i>	<i>PE1.1, PE1.3, PE2.1, PE3,3</i>
5.	<i>Explain the use of recent alternative cement and concrete materials to improve durability and sustainability</i>	<i>PE1.1, PE1.3, PE1.4</i>

For each hour of contact it is expected that you will put in at least 1.5 hours of pr-2( )726 reW\*n /Span AMCI0Bhat you willang

03/08/2020 (Week 10) Dr Kim		Suitability and Alternative binders	Suitability and Alternative binders
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**ASSESSMENT**

The assessment components are two online quizzes (30%), one assignment (10%), and the final exam (60%). The mid-session quizzes and the assignment are designed to assess the basic knowledge, conceptual and theoretical knowledges, the ability to solve the engineering problems using the knowledges covered in the course.

ASSESSMENT OVERVIEW							
Item	Length	Weighting	Learning outcomes assessed	Assessment Criteria <i>(this needs to explicitly describe what students are expected to demonstrate in the task)</i>	Due date and submission requirements	Deadline for absolute fail	Marks returned
1. Quiz 1	40 min	15%	1, 2	The mid-session quizzes and one assignment will assess the basic knowledge covered in the main topics of the course.	24/06/2020 (Week 4)	-	28/06/2020 (Week 4)
2. Quiz 2	40 min	15%	3, 4		29/07/2020 (Week 9)		04/08/2020 (Week 10)
3. Assignment	2 weeks	10%	1, 2, 3, 4, 5		20/07/2020 – 02/08/2020 (Week 8 – Week 9)		11/08/2019 (Week 11)
4. Final Exam	Take home exam	60%	1, 2, 3, 4, 5	The final exam provides an opportunity to assess higher capabilities in understanding and applying the knowledge learned throughout the semester.	Exam Period	-	-

## RELEVANT RESOURCES

There is no prescribed textbook for this course

Recommended Books:

- ◁ S. Midness, J. F. Young, D. Darwin, "Concrete", 2<sup>nd</sup> Edition, Prentice Hall, 2002

