

## CE 201: Engineering Materials

Fall 2015  
Credit Hours: 4.0

**Course Teacher:** Ariful Hasnat (Room J205)  
Senior Lecturer  
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### Class Hours: (Before Midterm)

Day	Time
Sunday	9:30 am – 10:45 am (J 201)
Monday	12:30 pm – 1:45 pm (J 401)
Tuesday	12:30 pm – 1:45 pm (J 501)

### Lecture Plan:

Lecture Number	Topics	Remarks
1	Introduction about class	
2~3	Engineering Materials, Mechanical Properties, Yielding, Elasticity, Plastic Properties, Fracture	HW 1
4~6	Properties and Uses of Bricks, Efflorescence, Standard tests of Bricks	Test 1
7~9	Aggregates	Test 2
10~18	Cement Chemistry	Test 3, HW 2
19~20	Cement and Lime Mortar	
Optional: Presentation on selected topic by course teacher, Presentation on selected topic by the students		

### Grading System:

- Class Assessment (Class Attendance 10%, Class Test 20%) 30%
- Mid-Term Exam 20%
- Final Exam 50%

### References:

- Supplied class notes
- Properties of Concrete by A. M. Neville
- Concrete: Microstructure, Properties, and Materials by P. Kumar Mehta & Paulo J.M. Monteiro
- Engineering Materials by M. A. Aziz
- [www.uap-bd.edu/ce/hasnat](http://www.uap-bd.edu/ce/hasnat)