

CIVE 512. ADVANCED CIVIL ENGINEERING MATERIALS.

Credits: 3

Offered by: Civil Engineering (Faculty of Engineering)

Terms offered: Winter 2026

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Description

Production, structure and properties of engineering materials; ferrous alloys, treatments, welding, special steels, cast iron; ceramic materials; polymers; composite materials; concrete, admixtures, structure, creep, shrinkage; asphalt and asphaltic materials; clay materials and bricks; impact of environment on material response, durability, quality assessment and control, industrial specifications; recent advances.

- (3-2-4)
- Prerequisite: CIVE 202

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