

BREE 216. BIORESOURCE ENGINEERING MATERIALS.

Credits: 3

Offered by: Bioresource Engineering (Faculty of Agric Environ Sci)

Terms offered: Fall 2025

[View offerings for Fall 2025 in Visual Schedule Builder.](#)

Description

Introduction to the composition and mechanical constitution of materials used in bioresource engineering, including metals, plastics, concrete, wood, composite, plant and food materials. Crystal structure, alloys, phase diagrams, stresses and strains, elasticity, plasticity, yield, fracture, ductility, heat treatments, cold work, corrosion, composite materials, concrete chemistry, polymers.

- 2 lectures and one 2-hour lab
- Restrictions: Open to students enrolled in a Bioresource Engineering program or permission of the instructor.

Most students use Visual Schedule Builder (VSB) to organize their schedules. VSB helps you plan class schedules, travel time, and more.

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