

# BREE 416. ENGINEERING FOR LAND DEVELOPMENT.

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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

Engineering aspects of land stewardship and water resource conservation, including: introduction to the hydrologic cycle and agricultural water use; computation of soil loss by water erosion; conservation farming practices; reservoirs and embankments; water and sediment control structures; stream restoration and water supply; wetlands and wetland design; irrigation principles and design; pumps and pumping; introduction to drainage and water table management.

- Prerequisite: BREE 217
- 3 lectures and one 2-hour lab per week or design problems.
- The passing grade for the prerequisite (BREE 217) is B-.

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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