

BREE 505. LIFE CYCLE ASSESSMENT FOR SUSTAINABLE AGRIFOOD SYSTEMS

Credits: 3

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

Terms offered: Winter 2026

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Description

Examination of the methods for food system sustainability assessment and their trade-offs, focusing on conducting environmental life cycle assessment, life cycle costing, and an introduction to social life cycle assessment for agrifood systems (crops and livestock). Additionally, methods for trade-off analysis among the three sustainability dimensions – environment, economics, social – will be evaluated and applied to agrifood system optimization and sustainability decision-making.

- Prerequisites: BREE 420 or equivalent or permission of the instructor
- Restrictions: Open to U3 students and above

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