

SUST – SUSTAINABILITY

SUST 201

Introduction to Sustainability

3 Credits Weekly (3-0-0)

In this course, which builds on the legacy of our university's namesake, Dr. J. W. Grant MacEwan, students examine the theories, principles, and practices of sustainability, focusing on the interconnectedness of environmental, economic, and social systems in achieving overall well-being. Students explore compelling sustainability issues from a variety of inter-disciplinary perspectives.

SUST 301

Sustainability Challenges

3 Credits Weekly (3-0-0)

Many different sectors are now seeking professionals who have expertise in sustainability in order to guide projects and lead organizational change. This course will focus on the systems thinking and related skills that are required to identify, discuss, evaluate, and address sustainability challenges. Students will connect theory to practice as they develop a project to address a sustainability challenge within the university or broader community.

Prerequisite: One of SUST 201, SUST 302, or consent of the instructor.

SUST 302

Systems Thinking

3 Credits Total (39-0-0)

Tackling complex problems requires different ways of thinking that recognize the interconnections within the whole. Systems thinking provides helpful ways of thinking and tools that can be used to critically analyze and respond to complex situations. This course will provide foundational knowledge of the concepts, components, and dynamics of complex systems. Students will learn how to identify interconnections, feedback loops, and leverage points, as well as the importance and pitfalls of identifying the system's purpose or function.

SUST 310

Indigenous and Western Perspectives of Sustainability: Walking Side-by-Side

3 Credits Weekly (3-0-0)

This course examines Indigenous and western perspectives of sustainability using various conceptual frameworks. The colonial, technoscientific nature of western perspectives of sustainability are challenged as insufficient to achieve sustainability that incorporates cultural vitality, social equity, environmental responsibility, and economic integrity. Indigenous principles are examined as leading to sustainability as a way of being. Note: Students may obtain credit in only one of INDG 310 and SUST 310.

SUST 390

Topics in Sustainability

3 Credits Weekly (3-0-0)

This course examines a substantive topic or topics of relevance to sustainability. The topic for the course varies and is announced prior to registration. This course may be taken up to two times provided the course topic is different.

Prerequisites: SUST 201.