



THE OHIO STATE UNIVERSITY
COLLEGE OF ENGINEERING

Assessment for Human Rights and Sustainability

ENVENG 4600

Credit Hours:

3.00 - 3.00

Course Components:

Lecture

Course Description:

Foundational concepts of human rights and environmental impacts pertaining to global supply chains. Regulations and voluntary standards in engineering-intensive sectors, including infrastructure, biofuels, electronics. Case study analysis of corporate assessment practices for labor rights protection and environmental impacts.

Course Goals / Objectives:

- Explain the core concepts of human rights, sustainability and global supply chains 1.1 Define key terms 1.2 Explain key tenets of labor rights 1.3 Explain the scientific basis of planetary boundaries for CO₂, fresh water, nutrients, ha
- Show that voluntary standards for global supply chains integrate core concepts of human rights and sustainability 2.1 Summarize key labor and environmental regulations 2.2 Identify gaps between legal protection and core concepts of human rig
- Analyze voluntary standards across engineering sectors 3.1 Deconstruct standards to identify key elements that are targeted 3.2 Explain how social context of sector innovation influences comprehensiveness 3.3 Assess practical implementati