

Announcing the



Women in Supply Chain Studies

FREE
LUNCH

2025 Rackham Interdisciplinary Workshop

FALL WELCOME EVENT!

Join Us

**TUESDAY, SEPTEMBER 23,
12:00 – 1:00 PM, DANA 1024
(IGCB MEETING ROOM)**

Whether you're new to supply chains, curious to learn more, or already interested in the field, we invite you to join our Women in Supply Chain Studies group.

Enjoy free lunch and help us build this community!

rsup



KEY ISSUES IN SUPPLY CHAINS: SCIENCE OF SUSTAINABLE SUPPLY CHAINS

Lecture 7

EAS 501

Tuesday, September 16, 2025

Key Issues in Supply Chains

Module #2: Key Issues in Supply Chains				
Tues, Sept 16 Lecture 7	Sustainability and Supply Chains	O'Rourke (2014)	•Lecture •Discuss readings	Overview of challenges and foci
Thurs, Sept 18 Lecture 8	Traceability vs. Opacity	Fripp et al (2023); Zu Ermgassen et al (2022)	•Lecture •Discuss readings	Strategies for traceability
Tues Sept. 23 Lecture 9	Market-based Governance	Lambin et al (2018)	•Lecture •Discuss readings	Key governance mechanisms and strategies
Thurs, Sept 25 Lecture 9	Certification	TBD	•Lecture •Discuss readings	Private Sector Initiatives
Tues, Sept. 30 Lecture 10	Government-Led: EUDR (Guest lecture: Charlotte Sedlock)	Chandra et al (2024)	•Lecture •Discuss readings	Multilateral government efforts
Thurs, Oct 2	Scope 3 Emissions	Stenzel and Waichman (2023)	•Lecture Discuss readings	GHG supply chain accounting
Tues, Oct 7	Midterm Exam Review	No Required Reading	•Review material for exam	
Thurs Oct 9	Midterm Exam	No required reading	•Multiple choice and short answer exam	MIDTERM

Structure

- ❑ O'Rourke – Science of Sustainable Supply Chains
- ❑ Meet in groups re agro-food supply chains
- ❑ Each group give brief presentation to class
 - You can choose what elements to emphasize – role of state, governance, TNC supply chain structure, prospects for sustainability, etc.

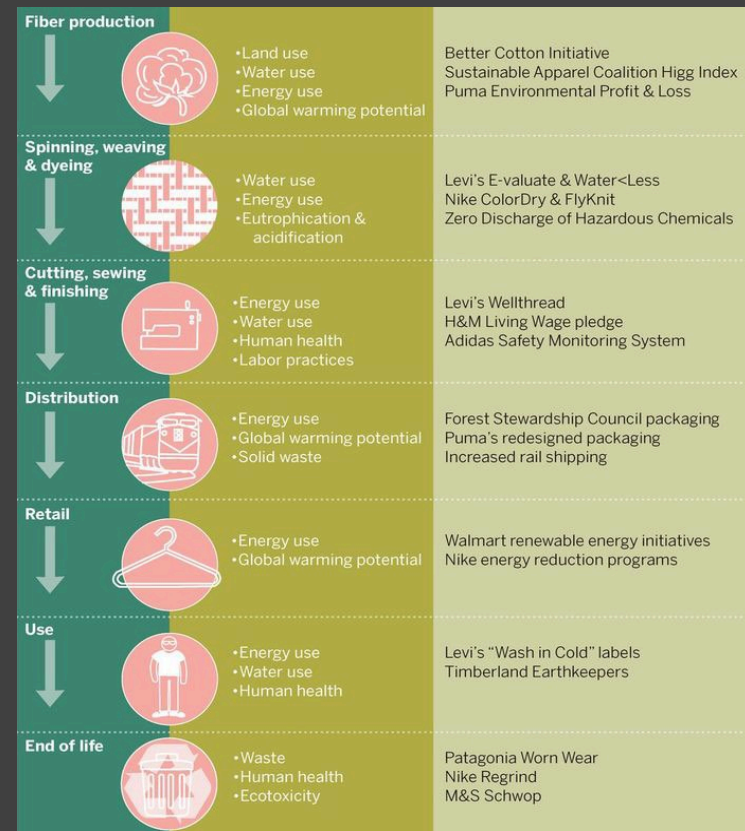
Supply Chain Sustainability Action

4 major drivers

1. Regulatory pressures
2. Competitive pressures
3. Stakeholder pressures
4. Risks from supply chain disruption

Mapping Supply Chain Impacts

- ❑ 49% of global manufacturing executives admit that their companies do not have supply chain visibility beyond their Tier 1 suppliers”
- ❑ More firms are mapping and publishing supply chain information
- ❑ Foundation for LCA analysis to quantify environmental impacts
- ❑ Other initiatives – footprinting, scorecards, indexes, rating systems



Apparel Supply Chain Initiatives

Decision Support and Limitations

- ❑ How are LCAs, footprinting, and indexes used?
- ❑ Net-zero goals, carbon offsetting, risk assessment
- ❑ Tier Level Opacity
- ❑ Cost of LCA analyses
- ❑ Greenwashing
- ❑ Incorporating other environmental and social impacts
- ❑ Lack of Integration sustainability into core business and supply chain decisions

Group Presentations

- Work in Groups
- Present your agro-food case to the class
- You can choose what elements to emphasize – role of state, governance, TNC supply chain structure, prospects for sustainability, etc.