

ENV 151 – Introduction to Sustainability WEEKLY CALENDAR – Fall 2021

Readings, videos, and other material assigned for class each day is listed here by week, followed by a full course bibliography with complete citations for each item.

You should read/watch these materials *before* the class day for which they are listed. Please see Content >> Weekly Reading Schedule for more context on each piece of material, as well as links to copies of readings, videos, and assignments. D2L information also includes recommendations of which articles to print and bring to class.

This printed list is provided as a convenience only. Please refer to D2L during the quarter for up-to-date information, deadlines, etc., and email me with any questions.

WEEK 1 (Sept 9) - Intro

Tuesday

- BioengineeringGroup 2010 (video)
- SkyworksHD 2011 (video)
- Syllabus, etc.

WEEK 2 (Sept 14, 16) – Ecological Footprint

Tuesday – No pre-class readings – we’ll watch *No Impact Man* documentary in class

- Optional - read after class: Green 2007*

Thursday

- WWF 2016 (p. 74-87 [PDF p. 39-45])
- Wicker 2017
- Nyborg 2016
- Complete Ecological Footprint Calculator & submit results via Google Form before Thursday class – links on D2L

Impact Project Category Choices post due Thursday, Sept 16, 11:59 pm

Impact Project Week 1 Discussion Post (see D2L Discussion boards) due Sunday, Sept 19, 11:59 pm

WEEK 3 (Sept 21, 23) – The Anthropocene, Hothouse Earth, & Climate Change

Tuesday

- IGBP 2014 (video)
- Voosen 2016 (science news article)
- Fountain et al. 2020 (NY Times article)
- Stockholm Resilience Center 2018 (video + press release)

Thursday

- IPCC 2021a,b (two short videos)
- All We Can Save*** discussion: ***Book question responses due in class Thursday***

- "Begin" p. xvii-xxiv
- "Calling In: p. 3-7
- "For Those Who Would Govern" p. 84
- "A Handful of Dust" p. 30-38

***Impact Project Discussion Post 2 (see D2L Discussion boards) due Sunday, Sept 26, 11:59 pm**

WEEK 4 (Sept 28, 30) – The Planetary Boundaries & Doughnut Model of Sustainability

This is one of the heaviest reading weeks this quarter with arguably the most important content – please plan accordingly.

Tuesday

- Rockström 2020 (TED Talk)
- WWF 2016 (p. 58-71 [PDF p. 31-37])
- Steffen et al. 2015 – **bring Steffen et al. paper to class for an activity**
- Bonus Netflix suggestion: “One Strange Rock,” a 2018 National Geographic mini-series (Arnofsky & Barden 2018), is an excellent watch. The first episode, “Gasp,” will help you understand the interconnectedness of Earth as a whole system, and how the various Earth system processes described in the planetary boundaries framework (Steffen et al. 2015) are crucial to the functioning of the planet as a safe place – the only place - for human and non-human life.*

Thursday

- Raworth 2018 (TED Talk)
- All We Can Save discussion: Book question responses due in class Thursday**
 - “Indigenous Prophecy and Mother Earth” p. 16-29
 - “On Fire: p. 39-48
 - “The Big Picture” p. 14-15

***Impact Project Discussion Post 3 (see D2L Discussion boards) due Sunday, Oct 2, 11:59 pm**

WEEK 5 (Oct 5, 7) – Breaking Through Gridlock

Tuesday

- Albeck-Ripka 2018a
- Denworth 2019
- (Optional) O'Reilly 2018

****Your attendance always important but is absolutely crucial on Tuesday as we'll do the in-class portion of the Breaking Through Gridlock activity which cannot easily be made up.***

Thursday

- All We Can Save discussion: *Book question responses due in class Thursday**
 - "How to Talk about Climate Change" p. 105-111
 - "Harnessing Cultural Power" p. 121-127
 - "Becoming a Climate Citizen" p. 129-135
 - "She Told Me the Earth Loves Us" p. 112
- *Breaking Through Gridlock Part 1 Worksheet due in class (if not turned in Tuesday)**

***Final Project Topic due via D2L Discussion board on Sunday, Oct 2, 11:59 pm**

WEEK 6 (Oct 12, 14) – Consumption & Design

Tuesday

- Leonard, et al. 2007 (“The Story of Stuff” video)
- Hopkins 2018
- Albeck-Ripka 2018b

Thursday

- McDonough 2018 “Cradle to Cradle and the Circular Economy” (video)
- Braungart et al. 2007
- All We Can Save* discussion: *Book question responses due in class Thursday**
 - "Heaven or High Water" p. 147-155
 - "Catalytic Capital" p. 171-175
 - "Dear Fossil Fuel Executives" p. 205-211
 - "Did It Ever Occur to You That Maybe You're Falling In Love?" p.203-204

WEEK 7 (Oct 19, 21) – Food & Agriculture

Tuesday

- Foley 2011 (TED Talk)
- Carrington 2019
- Lucas and Horton. 2019
- (Optional) Willett et al. 2018 (*The EAT Lancet Commission report*)
- (Optional) *The EAT Forum website: <https://eatforum.org/eat-lancet-commission/>*

Thursday

- All We Can Save* discussion: *Book question responses due in class Thursday**
 - "Black Gold" p. 301-310
 - "Solutions Underfoot" p. 287-292
 - "Reciprocity" p. 8-13
 - "Notes from a Climate Victory Garden" p. 293

****Final Project Planetary Boundaries Research Worksheet due via D2L on Sunday, Oct 24, 11:59 pm***

WEEK 8 (Oct 26, 28) – Climate-Energy-Justice Nexus & Systems Thinking

Tuesday

- Gardiner 2020
- David Lammy 2020 TED Talk
- Kowalski 2019

Thursday

- All We Can Save* discussion: *Book question response due in class Thursday**
 - TBD see D2L

WEEK 9 (Nov 2, 4) – Anger, Grief, Hope, Optimism, Activism

Tuesday – Pick a 3-4 of the following to read/watch on the variety of emotional responses we all have at times to the sustainability challenges; listed in no particular order

- UNDP 2021
- Christiana Figueres TED Talk
- Greta Thunberg TED Talk
- Cribb 2017
- Heinberg 2017
- Reay 2018
- Shain (2021)
- Wray (202)
- Keim (2020)
- Wallace-Wells 2019

Thursday

- All We Can Save* discussion: *Book question response due in class Thursday**
 - o "Collards Are Just as Good as Kale" p.75-83
 - o "We Are Sunrise" p.187-192
 - o "Public Service for Public Health" p. 222-227
 - o "Anthropocene Pastoral" p. 255

****Final Project Social Foundations Research Worksheet due via D2L on Sunday, Nov 7, 11:59 pm***

WEEK 10 (Nov 9, 11, 16) – Envisioning a Sustainable World

Tuesday (Nov 9)

- Tollefson 2018
- Figueres et al. 2018
- Gioietta 2019

Thursday (Nov 11)

- All We Can Save* discussion: *Book question response due in class Thursday**
 - o "A Letter to Adults" p. 323-327
 - o "An Offering from the Bayou" p. 329-333
 - o "A Green New Deal for All of Us" p. 92-102
 - o "Onward" p. 371-374

Tuesday (Nov 16)

- Meadows 1994

FINALS WEEK

No class meeting during Finals Week.

****Final Project due via D2L on Tuesday, November 23, 11:59 pm***

****Breaking Through Gridlock Part 2 due via D2L on Tuesday, November 23, 11:59 pm***