

## MSE 455/556 Course Schedule Spring, 2021

#	DATE	TOPIC	HOMEWORK
1	1/20/2021	Motivation & Introduction	
2	1/22/2021	Ch. 1. Materials, Energy & Sustainability	Read Chapter 1; Journal Entry 1
3	1/25/2021	Ch. 1. Materials, Energy & Sustainability	
4	1/27/2021	Ch. 1. Materials, Energy & Sustainability	
5	1/29/2021	Ch. 2. Sustainable Development	Read Chapter 2; Journal Entry 2
6	2/1/2021	Ch. 2. Sustainable Development	
7	2/3/2021	Ch. 2. Sustainable Development	
8	2/5/2021	Ch. 3. Assessing Sustainability	Read Chapter 3; Journal Entry 3
9	2/8/2021	Ch. 3. Assessing Sustainability	
10	2/10/2021	Ch. 3. Assessing Sustainability	Impact of Climate Change Report Due
11	2/12/2021	Ch. 4. Tools	Read Chapter 4; Journal Entry 4
12	2/15/2021	Ch. 4. Tools	
13	2/17/2021	Ch. 4. Tools	
14	2/19/2021	Ch. 5. Materials Supply Chain	Read Chapter 5; Journal Entry 5
15	2/22/2021	Ch. 5. Materials Supply Chain	
16	2/24/2021	Ch. 5. Materials Supply Chain	
17	2/26/2021	Ch. 6. Corporate Sustainability	Read Chapter 6; Journal Entry 6
18	3/1/2021	Ch. 6. Corporate Sustainability	
19	3/3/2021	Ch. 6. Corporate Sustainability	National Sustainability Plan Report Due
20	3/5/2021	Ch. 7. Introduction to Case Studies	Read Chapter 7; Journal Entry 7
21	3/8/2021	Ch. 7. Introduction to Case Studies	
22	3/10/2021	Ch. 7. Introduction to Case Studies	
23	3/12/2021	Ch. 9. Case Study: Wind Farms	Read Chapter 9; Journal Entry 8
24	3/15/2021	Ch. 9. Case Study: Wind Farms	
25	3/17/2021	<b>Case Study: Wind Farms</b>	<b>Student-led Presentation</b>
26	3/19/2021	Ch. 10. Case Study: Electric Cars	Read Chapter 10; Journal Entry 9
27	3/22/2021	Ch. 10. Case Study: Electric Cars	
28	3/24/2021	<b>Case Study: Geothermal Power</b>	<b>Student-led Presentation/ Sustainable Materials (I) Report Due</b>
29	3/26/2021	Ch. 11. Case Study: Lighting	Read Chapter 11; Journal Entry 10
30	3/29/2021	Ch. 11. Case Study: Lighting	
31	3/31/2021	<b>Case Study: Nuclear (Fission) Power</b>	<b>Student-led Presentation</b>
32	4/2/2021	Spring Recess - No Class	
33	4/5/2021	Ch. 12. Solar Photovoltaics	Read Chapter 12; Journal Entry 11
34	4/7/2021	Ch. 12. Solar Photovoltaics	
35	4/9/2021	<b>Case Study: Solar Photovoltaics</b>	<b>Student-led Presentation</b>
36	4/12/2021	Energy Storage: Batteries & Capacitors	Read Handouts; Journal Entry 12
37	4/14/2021	Energy Storage: Batteries & Capacitors	
38	4/16/2021	<b>Case Study: Energy Storage</b>	<b>Student-led Presentation</b>
39	4/19/2021	Materials for Fusion Power	Read Handouts; Journal Entry 13
40	4/21/2021	Materials for Fusion Power	
41	4/23/2021	<b>Case Study: Fusion Power</b>	<b>Student-led Presentation</b>
42	4/26/2021	Ch. 14. The Vision	Read Chapter 14
43	4/28/2021	Ch. 14. The Vision	Sustainable Materials (II) Report Due