

HISTORICAL GEOLOGY

Geology 3020 – Fall 2021

H. WILLIAMS

WEEK OF: LECTURES/LABS/EXAMS

TEXT READINGS

August

24	Introduction	Ch. 1
26	Stratigraphic principles	Ch. 2
31	Sedimentary environments	Ch. 5

September

2	Lab exercise 1 – Stratigraphy and sedimentary environments	
7	The fossil record	Ch. 6
9	The geologic timescale	Ch. 3
14	Lab exercise 2 – Geologic maps and paleoenvironments	
16	EXAM I	
21	Structure of the earth, orogenesis	Ch. 7
23	Precambrian geology	Ch. 8
28	Early life	Ch. 8, 9
30	Lab exercise 3 – Precambrian Life	

October

5	Early Paleozoic geology I	Ch. 10
7	Lab exercise 4 - Building Bodies (video)	
12	Early Paleozoic geology II	Ch. 10
14	EXAM II	
19	Lab exercise 5 - Early Paleozoic life	Ch. 12
21	Late Paleozoic geology I	Ch. 11
26	Late Paleozoic geology II	Ch. 11
28	Lab exercise 6 - Late Paleozoic life	Ch. 12

November

2	Early Mesozoic geology	Ch. 13
4	Late Mesozoic geology	Ch. 13
9	Mesozoic life	Ch. 14
11	Lab exercise 7 - Mesozoic life	Ch. 14
16	EXAM III	
18	Cenozoic geology	Ch. 15
20	Field Trip – all day Saturday	
23	Cenozoic life; Lab exercise 8 - Cenozoic life	Ch. 16
25	THANKSGIVING NO CLASSES	
30	Human origins	Ch. 17

December

2	Review (optional, Q&A session); projects due noon today.	
9	EXAM IV, Thursday December 9, 8-10 am.	