

HISTORICAL GEOLOGY**H. WILLIAMS****Geology 3020 – Fall 2025**

| DATE | TOPICS | TEXT READINGS |
|-------------|--|----------------------|
| Aug. 19 | Introduction | Ch. 1 |
| 21 | Stratigraphic principles | Ch. 2 |
| 26 | Sedimentary environments | Ch. 5 |
| 28 | Lab exercise 1 – Stratigraphy and sedimentary environments. | |
| Sept. 2 | The fossil record | Ch. 6 |
| 4 | The geologic timescale | Ch. 3 |
| 9 | Lab exercise 2 – Geologic maps and paleoenvironments | |
| 11 | EXAM 1 | |
| 16 | Structure of the earth, orogenesis | Ch. 7 |
| 18 | Precambrian geology | Ch. 8 |
| 23 | Early life | Ch. 8, 9 |
| 25 | Lab exercise 3 – Precambrian Life | |
| 30 | Early Paleozoic geology I | Ch. 10 |
| Oct. 2 | Lab exercise 4 - Building Bodies (video) | |
| 7 | Early Paleozoic geology II | Ch. 10 |
| 9 | EXAM II | |
| 14 | Lab exercise 5 - Early Paleozoic life | Ch. 12 |
| 16 | Late Paleozoic geology I | Ch. 11 |
| 21 | Late Paleozoic geology II | Ch. 11 |
| 23 | Lab exercise 6 - Late Paleozoic life | Ch. 12 |
| 28 | Early Mesozoic geology | Ch. 13 |
| 30 | Late Mesozoic geology | Ch. 13 |
| Nov. 4 | Mesozoic life | Ch. 14 |
| 6 | EXAM III | |
| 11 | Lab exercise 7 - Mesozoic life | Ch. 14 |
| 13 | Cenozoic geology | Ch. 15 |
| 15 | FIELD TRIP SATURDAY NOV. 15 ALL DAY. | |
| 18 | Cenozoic life | Ch. 16 |
| 20 | Lab exercise 8 - Cenozoic life | |
| 24-30 | THANKSGIVING – NO CLASSES | |
| Dec. 2 | Human origins | Ch. 17 |
| 4 | Review, Q&A session, (optional). Projects due today. | |
| 9? | FINAL EXAM Dec. 9, 8 – 10 am. | |