Earth Science 11 - Calendar 2016/17

Week	Date	Topic Covered / Weekly Assignment
Orientation	Sept. 20	Receive log-in information and begin course
TERM 1		
1	Sept. 26	Begin Unit 1 ❑ Complete Introduction ❑ Complete 1-1 Tools of the Astronomer ❑ Complete 1-2 Constellations
2	Oct. 3	❑ Complete 1-3 Stars and Star Properties ❑ Complete 1-4 Stellar Types and Life Cycles ❑ Complete 1-5 Other Celestial Objects and the Origins of the Universe
3	Oct. 10	❑ Complete 1-7 Review Exercises ❑ **Complete Lab 1:** What are some of the skills of astronomers? ❑ **SUBMIT UNIT 1 Learning Guide**
4	Oct. 17	**Write UNIT 1 EXAM**
5	Oct. 24	Begin Unit 2 ❑ Complete 2-1 The Sun ❑ Complete 2-2 Solar System: Features and Origins ❑ Complete 2-3 Terrestrials
6	Oct. 31	❑ Complete 2-4 Jovian ❑ Complete 2-5 Review Exercises ❑ **Complete Lab 2**: Just how big is big? ❑ **SUBMIT UNIT 2 Learning Guide**
7	Nov. 7	**Write UNIT 2 EXAM**
8	Nov. 14	Begin Unit 3 ❑ Complete 3-1 Solar and Earth Movement ❑ Complete 3-2 Lunar Movement, Tides and Eclipses ❑ Complete 3-3 Space Exploration Technologies
9	Nov. 21	❑ Complete 1-4 Review Exercises ❑ **Complete Lab 3:** Tide and Moon Phases ❑ **SUMBIT UNIT 3 Learning Guide**
TERM 2		
1	Nov. 28	**WRITE UNIT 3 EXAM** **COMPLETE and SUBMIT UNIT 1-3 PROJECT(S) equaling 25 credits**
2	Dec. 5	Begin Unit 4 ❑ Complete 4-1 Review of the Earth's Cross Section ❑ Complete 4-2 Evidence of Plate Movement

		❑ Complete 4-3 Plate Tectonics and Plate Interaction ❑ Complete 4-3.1 Divergent Boundaries
3	Dec. 12	❑ Complete 4-3.2 Convergent Boundaries ❑ Complete 4-3.3 Transform Boundaries ❑ Complete 4-4 Earthquakes and Plate Boundaries
4	Jan. 3	❑ Complete 4-5 Volcanic Features and Plate Boundaries ❑ Complete 4-6 Review Exercises ❑ **Complete Lab 4:** What do Plate Boundaries Look Like from the side ❑ **SUBMIT UNIT 4 Learning Guide**
5	Jan. 9	**WRITE UNIT 4 EXAM**
6	Jan. 16	Begin Unit 5 ❑ Complete 5-1 Minerals and Mineral Identification ❑ Complete 5-2 Rocks and the Rock Cycle ❑ Complete 5-3 Igneous Rock ❑ Complete 5-4 Sedimentary Rock
7	Jan. 23	❑ Complete 5-5 Metamorphic Rock ❑ Complete 5-6 Rock and Mineral Resources ❑ Complete 5-7 Resource Extraction and Refining ❑ Complete 5-8 Energy Resources
8	Jan. 30	❑ Complete 5-9 Review Exercises ❑ **Complete Lab 5: Who's who of minerals and rocks?** ❑ **SUMBIT UNIT 5 Learning Guide**
9	Feb. 6	**WRITE UNIT 5 EXAM**
10	Feb. 13	Begin Unit 6 ❑ Complete 6-1 The Geological Time Scale and the Paleozoic Era ❑ Complete 6-2 The Mesozoic Era and Cenozoic Era ❑ Complete 6-3 Fossil Formation
TERM 3		
1	Feb. 20	❑ Complete 6-4 Relative Dating ❑ Complete 6-5 Absolute Dating ❑ Complete 6-6 Review Exercises
2	Feb. 27	❑ **Complete Lab 6:** How long are geologic periods relative to the age of the Earth? ❑ **SUBMIT UNIT 6 Learning Guide**
3	Mar. 6	**Write UNIT 6 EXAM**
4	Mar. 27	**COMPLETE and SUBMIT UNIT 4-6 PROJECT(S) equaling 25 credits**
5	April 3	Begin Unit 7 ❑ Complete 7-1 Weathering and Soil

		❑ Complete 7-2 Erosion ❑ Complete 7-2.1 Agents of Erosion I: Running Water
6	April 10	❑ Complete 7-2.2 Agents of Erosion II: Glaciers ❑ Complete 7-2.3 Agents of Erosion III: Wind and Wave Action
7	April 18	❑ Complete 7-3 Review Exercises ❑ **Complete Lab 7:** What are some erosion and depositional features? ❑ **SUBMIT UNIT 7 Learning Guide**
8	April 24	**Write UNIT 7 EXAM**
9	May 1	Begin Unit 8 ❑ Complete 8-1 Ocean Water and its Composition ❑ Complete 8-2 Ocean Currents ❑ Complete 8-3 The Ocean Floor
10	May 8	❑ Complete 8-4 The Hydrologic Cycle ❑ Complete 8-5 Review Exercises ❑ **Complete Lab 8**: What can we see from the side of the sea? ❑ **SUBMIT UNIT 8 Learning Guide**
11	May 15	**Write UNIT 7 EXAM**
12	May 22	Begin Unit 9 ❑ Complete 9-1 Composition and Heating ❑ Complete 9-2 Water Vapour in the Air
13	May 29	❑ Complete 9-3 Global Wind Patterns and Air Masses ❑ Complete 9-4 Review Exercises ❑ **Complete Lab 9**: What are some simple applications of Atmospheric Science? ❑ **SUBMIT UNIT 9 Learning Guide**
14	Jun 5	**UNIT 9 EXAM**
15	Jun 12	**COMPLETE and SUBMIT UNIT 7-9 PROJECT(S) equaling 25 credits** Review for your **FINAL EXAM**