

MAKE-UP LAB HOURS (JHN 30), Tutorials (Kane 220) and WEEKEND FIELD TRIPS (Autumn 2018)

Make-up Lab Hours (JHN 30) You need a 1 hour 50 minute block of time to complete a laboratory.

Tuesday: 1:30 – 4:20 pm

Wednesday: 10:30 – 12:20 am; 1:30 – 3:20 pm

Terry's Tutorial Schedule (Kane 220)

Wednesday Oct. 3rd -9:30 – 10:20 am (Room TBD)

Friday Oct. 12th – 3:30 – 4:20 pm

Friday Oct. 19th -3:30 – 4:20 pm

Friday Oct. 26th -3:30 – 4:20 pm

Friday Nov. 2nd -3:30 – 4:20 pm

Friday Nov. 9th -4:30 – 5:20 pm (Room TBD)

Friday Nov. 16th -3:30 – 4:20 pm

Friday Nov 30th -3:30 – 4:20 am

Wednesday Dec. 5th - 4:30 – 5:20 pm Final Review (No extra credit)

Movies and Field Trip Schedule

Friday (Oct. 12th, Nov. 2nd & Nov. 30th) Terry **Night at the Movies (Kane 220)**

We will have our own private screening of several movies related to geology and earth science. Movies will start at 4:30 pm and run for 90 – 120 minutes. Students can arrive for seating after 3:50 pm.

Saturday (Oct. 13th) Susannah **Columbia Plateau I (Priority Last Names “Chh-Gh”)**

Travel to Central Washington, a land covered by basaltic lava flows thousands of meters thick. Visit a petrified forest buried by the advancing lava. See your first pillow basalt delta. Collect samples of opal buried in pure white diatomite. Trip leaves from the courtyard located between Johnson and Gerberding Halls at 8:00 am and return at 6:00 pm.

Sunday (Oct. 14th) Kelsay **Columbia Plateau II (Priority Last Names “A-Che”)**

Travel to Central Washington, a land covered by basaltic lava flows thousands of meters thick. Visit a petrified forest buried by the advancing lava. See your first pillow basalt delta. Collect samples of opal buried in pure white diatomite. Trip leaves from the courtyard located between Johnson and Gerberding Halls at 8:00 am and return at 6:00 pm.

Saturday (Oct. 20th) Sarah **Snoqualmie Falls/Cougar Mtn. I (Priority Last Names “Y-Z”)**

Visit spectacular Snoqualmie Falls. Learn how Snoqualmie Falls formed and its relationship to the recent advance of the Puget Lobe ice sheet that occupied Puget Lowland 15,000 years ago. The field trip may also visit Cougar Mountain, which is comprised of Eocene and Oligocene sedimentary rocks deposited 38 million years ago. Trip leaves from the courtyard located between Johnson and Gerberding Halls at 9:00 am and returns at 4:00 pm.

Sunday (Oct. 21st) Andrew **Snoqualmie Falls/Cougar Mtn. II (Priority Last Names “Mc-Q”)**

Visit spectacular Snoqualmie Falls. Learn how Snoqualmie Falls formed and its relationship to the recent advance of the Puget Lobe ice sheet that occupied Puget Lowland 15,000 years ago. The field trip may also visit Cougar Mountain, which is comprised of Eocene and Oligocene sedimentary rocks deposited 38 million years ago. Trip leaves from the courtyard located between Johnson and Gerberding Halls at 9:00 am and returns at 4:00 pm.

Saturday (Oct. 27th) Mike **Whidbey Glaciation I (Priority Last Names “U-X”)**

Learn about the glacial history of Puget Sound as you view the massive cliffs along the shorelines of Whidbey Island. Study peat deposits that date to over 100,000 years ago. Learn about “kettle” and “kames.” Beautiful beach walk (2-3 miles). Trip leaves from the courtyard located between Johnson and Gerberding Halls at 8:30 am and return at 6:00 pm.

Sunday (Oct. 28th) Tianyi **Whidbey Glaciation II (Priority Last Names “Ki-Ma”)**

Learn about the glacial history of Puget Sound as you view the massive cliffs along the shorelines of Whidbey Island. Study peat deposits that date to over 100,000 years ago. Learn about “kettle” and “kames.” Beautiful beach walk (2-3 miles). Trip leaves from the courtyard located between Johnson and Gerberding Halls at 8:30 am and return at 6:00 pm.

Saturday (Nov. 3rd) Joel **Fidalgo Island I (Priority Sign-Up Last Names “Gi-Kh”)**

Fidalgo Island offers almost every type of rock imaginable, including deep-sea sedimentary rocks, and rare mantle rocks thought to be found only at plate boundaries. Discuss the ideas of accreted terranes and collision tectonics. Trip leaves from the courtyard located between Johnson and Gerberding Halls at 8:30 am and return at 6:00 pm.

Sunday (Nov. 4th) Terry **Fidalgo Island II (Priority Sign-Up Last Names “R-T”)**

Fidalgo Island offers almost every type of rock imaginable, including deep-sea sedimentary rocks, and rare mantle rocks thought to be found only at plate boundaries. Discuss the ideas of accreted terranes and collision tectonics. Trip leaves from the courtyard located between Johnson and Gerberding Halls at 8:30 am and return at 6:00 pm.

Week of Nov. 5th (self-guided) **Local Cemetery (weathering study)** open to entire class
During the week of Nov. 5th students will visit a local cemetery to compare the weathering rates of granite versus limestone/marble tombstones. Students will be emailed a hand-out explaining the field trip exercise. The field trip exercise can be completed in groups. The field trip exercise will be due on **Wednesday, Nov. 14th in lecture.**

Week of Nov. 12th (self-guided) **Campus Building Stones** (open to entire class)
Students will have an opportunity to study building and decorative stones around campus. The field trip exercise and directions will be emailed to the class prior Nov. 12th. The field trip answer sheets **will be handed into your laboratory T.A. in laboratory** during the weeks of Nov. 26th – Dec. 6th.

***ESS 101 field trips will meet this quarter in the open area between Johnson and Gerberding Halls.**

