



Graduate and undergraduate student contributions to EOS-SEI.

Dec. 2013; Details of each course are at <http://eos.ubc.ca/courses/eoscxyz/eoscxyz.htm> where *xyz* is course no.

	Graduate Students	Course #	Descriptions or pointers
1	Leigh Gurney	111	Redesigned the Biodiversity lab
2	David Cassis	111	Redesigned the Biodiversity lab
3	Christine Miller	210	Rewrote most of the first 6 labs and the lab exam. Updated the rest of the labs.
4	Jason McAlister	210	Took the first crack at updating many of the labs (which were over 20 years old)
5	Jaqueline Dohaney	220	Took a first crack at adjusting many of the labs, with support from Ben Kennedy.
6	Lauren Greenlaw	220	Organized mineral samples and helped Randal Mindell update labs
7	Kirsten Hodge	221	Redesigned several of the labs from scratch
8	Chris Leslie	221	
9	Jade Schiller	270	Conceived and developed two take home exercises involving the Beaty Museum of Biodiversity for eosc270. One is "preparation oriented" in the first 3 weeks of the course, and the second is "synthesis oriented" in the last 3 weeks of the course. Both target overall course learning goals.
10	Lizzie Stock	322	
11	Trevor Hirsche	329	Rebuilt most of the lab exercises for 329 with Josh's help, and based on his own experiences as a TA in earlier years.
12	Leif Bailey	331	Organized mineral samples, updated labs and answer keys
13	Luke Beranek	332	Helped update the course for JITT
14	Lauren Harrison	333	Rewrote several labs and updated the rest. Helped develop and implement several lecture activities
15	Andrew Caruthers	326, 222	Contributed to adjusting labs (no designs from scratch), and subsequently became sessional for eosc421, advanced seds)
16	Martyn Golding	326, 425	Contributed to adjusting labs, then took on new labs in eosc425 (advanced paleontology)
17	Rebecca Taylor	372, 373	Development of learning goals, class activities and online homework
18	Jason McAlister	372, 373	Development of learning goals, class activities and online homework
19	Paige Olmsted	ENVR 430	Developed course and lecture level learning goals, an integrative course framework, and lecture activities for K. Chan's new course.
20	Geidy Baldeon	433	Developed rubrics for 4 design projects and two interactive, group-based exercises (intro. to design projects and peer review). Conducted the initial implementation of both new exercises. Also recorded grading and feedback in the terms both before and after introducing these.
21	Brenden Smithyman	516	Part development / part running the course.
22	Emma Holmes	516	Part development / part running the course.
23	Peter Lelievre	516	Part development / part running the course.
24	Rebecca Taylor	516	Part development / part running the course.
25	Jason McAlister	516	Part development / part running the course.

Fourteen of these were funded directly from EOS-SEI resources while others contributed within regular Departmental teaching assistantship appointments.



Undergrad Stn's	Project	When	Superv	Description	
1	Jamil Rahjiak*	Service course curriculum evaluation	Jan-08	SH, FJ	- Service course interviews / focus groups, with support from the UBC Workstudy program. http://www.eos.ubc.ca/research/cwsei/curriculum.html - Geology Honors Thesis https://circle.ubc.ca/handle/2429/6655
2	Eva Shaffer	QDB	summer 2008	FJ	Build an MS-Access relational database for test questions. Learned about, then taught us (via a comprehensive report) about item response theory. Subsequent work done by FJ and Gabe Epstein. Partially supported by SkyLight Development Grant http://www.skylight.science.ubc.ca/devgrants
3	Sarah Henderson	Various	summer 2009	SH	- Qualitative data analysis, test data collection & processing. Partially supported by Canada Summer Jobs program. http://www.eos.ubc.ca/research/cwsei/resources/envr200-metacog.pdf
4	Kim Smet	CIQ	summer 2009	SH	Metacognition in ENVR200 - qualitative data analysis.
5	Kerry Ko	hiring practices	Jan-10	FJ	Prepared, conducted, and analyzed results of interviews done at Roundup 2010. see https://circle.ubc.ca/handle/2429/37246
6	Devin Tompkins	hiring practices	Jan-10	FJ	Helped with interviews at Roundup 2010.
7	Carrie Wong*	3D thinking	2010-2011	SH	Geology Honors Thesis Spatial Visualization in Beginner and Advanced Undergraduate. https://circle.ubc.ca/handle/2429/34237
8	Alison Jolley*	grps exams in eos111, SAESS, concept inventories	2010, 2011, 2012	SH, FJ, BG	- SAESS: statistics, data analysis, interpretation and reporting http://eos.ubc.ca/research/cwsei/attitude.html - Concept tests: See eos-sei research page. These two supported by separate SkyLight development grants. - Geology Honors Thesis https://circle.ubc.ca/handle/2429/23321 - Using Collaborative Group Exams. http://www.eos.ubc.ca/research/cwsei/resources/research/grpExams.pdf http://www.eos.ubc.ca/research/cwsei/resources/research/GSA-2010-Poster.pdf
9	Gabe Epstein	114	Fall 2012	BG, FJ	Completed the questions database for eos114. See http://eos.ubc.ca/research/cwsei/qdb.html
10	Isabel Shinnick-Gordon		Fall2013-spr2014	SH	Student thinking about systems dynamics related to carbon cycling in climate science.

* Completed an Honors Geology thesis related to geoscience education.

See also the EOS-SEI home page at <http://eos.ubc.ca/research/cwsei/> . See especially the links to

- People and Colleagues <http://eos.ubc.ca/research/cwsei/people.html>
- Research at EOS-SEI <http://eos.ubc.ca/research/cwsei/research.html>
- The EOS-SEI Times <http://eos.ubc.ca/research/cwsei/eossei-times.html>
- Teaching Assistants <http://eos.ubc.ca/research/cwsei/tas.html>

EOS-SEI and EOAS benefited tremendously from the enthusiastic, energetic and imaginative contributions from at least 24 grad. students and 8 undergrads. Fourteen grad. students were funded directly from EOS-SEI resources while others contributed within regular Departmental teaching assistantship appointments. Undergraduates were supported by Skylight Development Grants, UBC Workstudy appointments and Canada Summer Jobs programs. These students have made innovation possible and some projects have led to peer-reviewed publications. All students taking EOAS courses at UBC continue to benefit from these contributions.