

## **Vancouver Summer Program Instructor Positions**

We are seeking instructors to teach/co-teach a course for the University of British Columbia Earth Ocean and Atmospheric Sciences department's contribution to the Vancouver Summer Program (VSP). The VSP is a one month condensed summer program offered to international undergraduate students to come and experience life and classes at UBC. Instructors will be responsible for four weeks of teaching (July 13<sup>th</sup> – August 13<sup>th</sup> total 39 contact hours), course preparation (some materials will be provided), marking, and several social activities with the students during that period. The course is part of a package of two courses, each taught for 3 hours per day (with some days off in the week due to student's social activities). The successful candidates will work closely with the lead instructor and their co-instructor to provide a cohesive package to the students. Our emphasis is on active learning teaching methods where students are inspired to explore the subject matter through field trips, labs, discussions, in-class activities, and as such there is some flexibility in the course design and progression.

The courses available are:

### **VSP Package A – The Dynamic Earth and Its Beautiful Treasures**

We are seeking instructors for either the Earth's Treasures section of this course or the Solid Earth portion of the course.

The Solid Earth section investigates earth's origin, composition, structure, and natural resources. Global and local examples of plate tectonics as the driving force for volcanism, mountain building, and earthquakes. Imaging Earth's interior and exploring its dynamic interaction with the surface. We also touch on Environmental geoscience and sustainability.

The Earth's Treasures section investigates the formation, exploration, mining and aspects of marketing of gemstones and precious metals. We touch on topics such as fundamental scientific concepts, natural and synthetic gems and explore the world of fine jewelry. The origin, valuation and exploration strategies for gems such as diamonds and precious metals such as gold and platinum will be investigated here and placed into a fascinating international and Canadian geological context.

Experience teaching EOSC 110 The Solid Earth: Dynamic Planet or similar would be beneficial.

Experience teaching EOSC 118 Earth's Treasures: Gold and Gems or similar would be beneficial.

### **VSP Science Package B – The Earth's Oceans, Atmosphere and Climate**

We are seeking instructors for the Ocean and Atmosphere Systems section of this course which assesses and quantifies the principal components of the global energy balance, how the energy balance affects the structure of the ocean and atmosphere and produces the winds and currents that control weather, air pollution and the biosphere. Students will examine ocean productivity and the important geochemical cycles of carbon, nitrogen and phosphorous, and how over geologic time ocean and atmospheric processes coupled with the evolution of the life to regulate climate and climate change.

Experience teaching EOSC 112 The Fluid Earth: Atmosphere and Ocean or similar would be beneficial.

The shortlisted candidates will be interviewed and will be asked to prepare a 5-7 minute teaching presentation.

Please send your resume to VSP Coordinator, Alicia Warkentin ([awarkentin@eoas.ubc.ca](mailto:awarkentin@eoas.ubc.ca)) and indicate the package that you are interested in teaching.