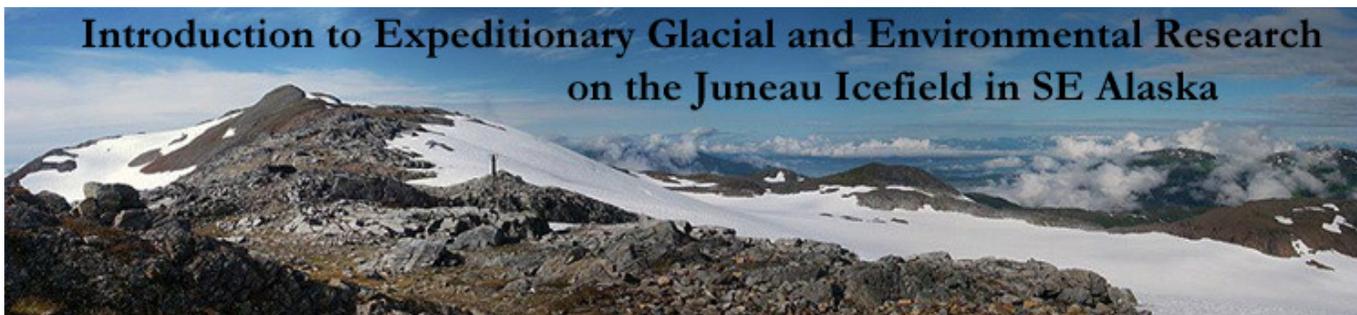


# Summer Program for High School Juniors and Seniors

## Introduction to Expeditionary Glacial and Environmental Research on the Juneau Icefield in SE Alaska



### 2012 Summer Session: July 12 - 31, 2012

A true expeditionary science training program, JIRP's Pre-College program is open to physically and mentally healthy, fit, enthusiastic high school students who have finished their junior or senior year of high school. The group meets in Juneau, AK in early July, and spends a few days at the University of Alaska receiving orientation and lessons in basic glaciology, and participating in a day long field trip to the Mendenhall Glacier for an encounter with real glacial ice.

Participants then make the rigorous, day long hike from Juneau up to Camp 17 on the Juneau Icefield - almost 5000 ft higher! On the way up, students climb through boreal rainforest and the famous "vertical swamp", cross over alpine meadows and tundra, and finally climb the length of the Ptarmigan Glacier to reach Camp 17. They immediately settle in to their quarters in the rough "shacks" of the camp, and the first full day there involves orientation to camp life...including daily cooking, cleaning, water collection, and general maintenance chores shared by all. JIRPers are instructed in field mapping techniques and create a geologic map of Camp 17's rocky arete, and each day, in all weather, students venture out on the ice to measure ablation and ice conditions in 4 meter deep "mass balance pits" that they carve into the ice.

While the focus of the program is academic (college credit is available through the University of Alaska), the expeditionary nature of the experience is thoroughly integrated as well. Basic mountaineering training - including safe travel over ice (self arrests with an ice ax, crevasse rescues, and proper use of ropes, harnesses, and other climbing equipment) - is provided by a professional guide who is part of the group. When weather permits, the group will take day hikes across surrounding glaciers and climb up nearby peaks. Evenings are spent analyzing data collected during the day, engaging in small seminars, watching movies, practicing mountaineering techniques, and simply spending time together.



***All of these activities build the skills and camaraderie that are essential to members and leaders of successful expeditionary science teams.***

Cost for the Summer 2012 session is \$2900 and includes all lodging expenses, Camp 17 use fees, ground transportation, and meals. Airfare is not included, and participants will likely need to purchase or rent some equipment.

Email JIRP Pre-College program director Steve Kluge at [steve.kluge@gmail.com](mailto:steve.kluge@gmail.com) or by phone at 914-393-8235, and visit our web pages below for more information.



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