



# International Summer Program: Mountains on the Move

17-28 June 2019

Université Grenoble Alpes, FRANCE



This innovative program brings an interdisciplinary approach to the complex question of how climate change in mountainous regions affects both humans and nature. Combining methods and knowledge from the sciences, the humanities, and social sciences, this program welcomes students from all disciplines seeking novel, interdisciplinary approaches to complex questions.



# DIRECT ACCESS TO UGA EXPERTISE

The Université Grenoble Alpes (UGA) is a large, public research university, enrolling about 45,000 students, and accredited by the French government. Because of its strategic position, surrounded by three mountain ranges, Vercors, Chartreuse and Belledonne, the UGA is a major international research center in mountain studies.

Taught by experts in a wide range of disciplines – geology, data sciences, history, economics, architecture, and more – this course will also provide students with real case studies in a series of field trips to the mountains nearby Grenoble.

The teaching staff has a strong background in advanced concepts and methods deriving from inter- and transdisciplinary research in mountain studies. They will share their skills in new technologies, such as numerical modeling, geographic information systems and remote sensing.



## CUTTING EDGE TOPICS IN MOUNTAIN RESEARCH

Graduate and advanced undergraduate students will develop an understanding of how mountains are built, learn about alpine environmental degradation, and explore how nature and humans adapt together to changing circumstances. Current research on glaciology, landslides and new economic models will be at the center of discussions to provide a transdisciplinary perspective of the challenges faced by nature and humans.

The program will introduce students to, among others :

### Week 1

- Historical transformation from pastoral activity to tourism
- Local economic development
- Protection and development of special mountain resources
- Urbanism

### Week 2

- Landslides
- Natural hazards
- Risk mitigation
- Alpine geology and Tectonics
- Special adaptation of alpine fauna and flora to climate change

# EXPERIENCE

## GRENOBLE AND THE ALPS

Student surveys for the last ten years place Grenoble consistently in the top three cities in France for students. Combining the conveniences of a mid-sized city with a remarkable natural environment, Grenoble offers history, culture, nightlife, sports, and more.

Today, Grenoble is a hub of innovation, employing thousands of people in research, technology, and international business. People from all over the world come to Grenoble, and the city is lively, welcoming, and brimming with activity.



Accommodation in Grenoble will be in student residences and is based on shared rooms. Single rooms are available at an additional cost. During the field trips, overnight accommodation will be provided in mountain shelters.

**Please note:**

participants should be in good physical condition and should bring warm clothing for field trips to the mountains which involve hiking and altitudes up to 2000m.

## HOW TO REGISTER

**Program dates:** 17-21 June or 17-28 June  
Students may choose either a one-week or a two-week program.

**Program fees:** €750 per week.

These fees include local transportation and accommodation as well as insurance. They do not include travel expenses, meals, or any personal expenses.



Lab OSUG 2020



financed by IDEX Université Grenoble Alpes

**FIND OUT MORE:**

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