



## **DEVELOPMENT 2008 - 2017**

## **Mission**

- 1.conducts, promotes, and coordinates **innovative research** from across all disciplines on mountain places, peoples and practices;
- 2.creates opportunities for **experiential learning** on campus, on-line, in mountain environments, and around the world;
- 3.establishes **partnerships** to advance **applications** of both theoretical and applied knowledge.

**Teaching Mountains** 

Mountain Knowledge & Research

**Mountain Partnerships** 

#### CANADIAN MOUNTAIN STUDIES INITIATIVE UNIVERSITY OF ALBERTA

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## **Teaching Mountains**

## **DEVELOPMENT 2008 - 2017**

# Mountain Knowledge & Research



>40 faculty from across campus engaged in mountain research

Summit Seminar Series brings the UofA mountain community together



## **Mountain Partnerships**

## CANADIAN MOUNTAIN Studies initiative

UNIVERSITY OF ALBERTA

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## **Teaching Mountains**



#### **INTD 280**

90 students in-class; 350 on-line; from across campus; cross-listed by Kinesioogy & Science.



#### **INTD 282**

10 students/year; 7 days in the mountains; mountain skills and science (in partnership with the ACC).

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ACC sponsorship for graduate student research and outreach

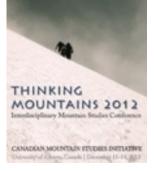


Canadian Ice Core Archive Facility (opened in 2017)



Interdisciponary KIAS Cluster Grant "Sustaining Mountain Cultures in the Canadian West" (2016-18)

## **Mountain Partnerships**



Thinking Mountains international conferences (2012, 2015)









Formalized agreements: plus many other friends and supporters

### CANADIAN MOUNTAIN STUDIES INITIATIVE

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#### **Mountains 101**

As of December 2017, nearly 20,000 registered students from over 140 countries; joint project with Parks Canada.











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# Mountain Knowledge & Research



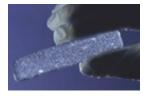
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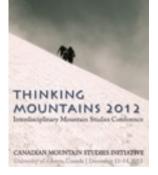


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January 2016: Faculty of Science established a National Secretariat for the Canadian Mountain Network and is leading development of a **Canadian Mountains NCE** application (LOI submitted Nov 2017)

# summit series public lecture

# UAlberta mountain initiative

Thursday, March 16, 4:00-5:30pm

Centennial Centre for Interdisciplinary Science (CCIS) Room 1-140

#### Julie Rak, Professor

English and Film Studies "Everest, Everest, and the Difficult Legacy of

Jon Krakauer"

## **Daniel Sims, Assistant Professor**

History and Indigenous Studies, Augustana Campus "The Problem Is Transportation: Development in Omineca District (B.C.) in the Early Twentieth-Century"

#### **Alberto Reyes, Assistant Professor**

Earth and Atmospheric Sciences

"The controversial multimillion-year history of the Greenland ice sheet"

Presentations will be followed by a general discussion about UAlberta Mountain Studies, as well as a reception

For more info: www.mountains.ualberta.ca





An Introduction to Interdisciplinary Mountain Studies



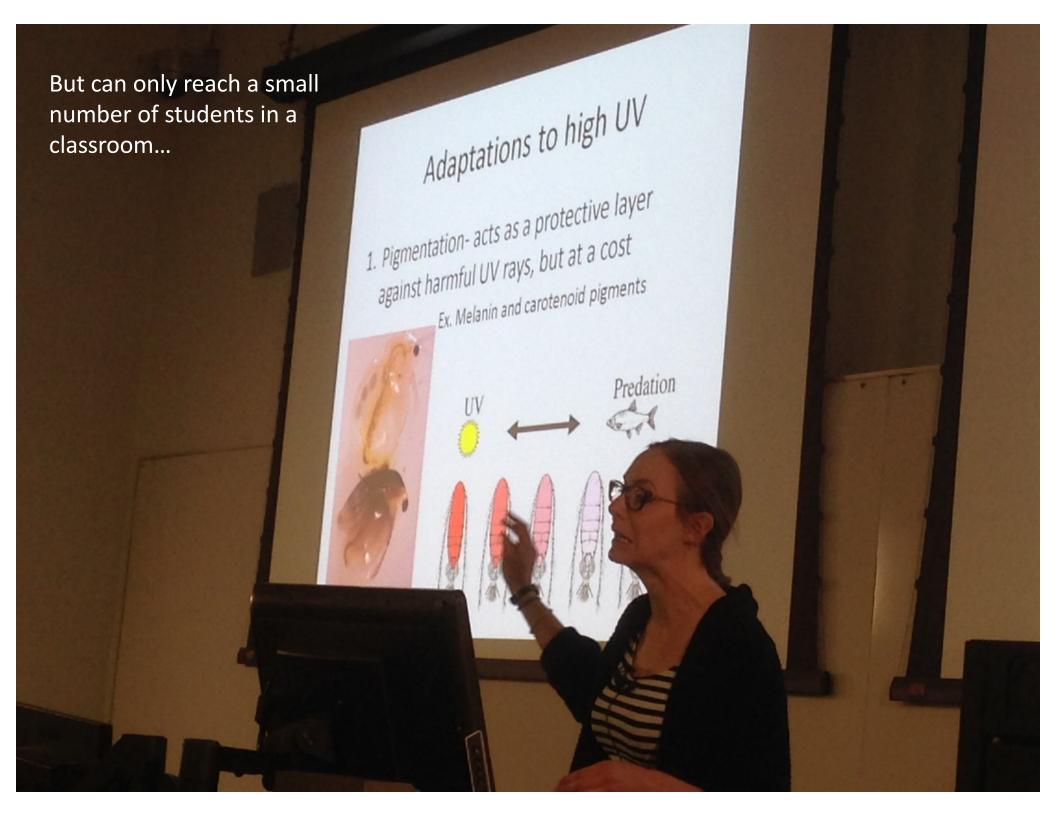
WINTER 2018 MWF, 0900 – 0950, Tory Lecture Theater B1

Zac Robinson, Physical Education and RecreationDavid Hik, Biological SciencesMartin Sharp, Earth and Atmospheric Sciences

# COURSE OBJECTIVES



- To examine the physical and human dimensions of mountain environments; and to integrate disciplinary-specific knowledges in a holistic understanding of mountain places, peoples, and activities:
- To place dominant cultural understand in body who as your first objects, hazards, hydrologyl, biological (bases and hydrologyl, biological (bases well-as a critical analysis of the processes of thange globe, past and present. Melding practice and pre
- To evaluate the human impacts, as well as their consequences, on mountain regions;
- And to foster critical thinking, reading and writing skills at an undergraduate level.







## launched 9 January 2017

- ~20,000 students registered
- 147 countries (all territories/provinces)
- #1 ranked science MOOC on class-central.com
- produced in cooperation with Parks Canada, Alpine Club of Canada and others.

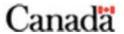


# making a MOOC .... 18 months





Parks Canada Parcs Canada



Home > National Parks of Canada > Banff National Park > Learning Experiences > Mountains 101

#### **Banff National Park**

## Mountains 101: a free online learning experience



Parks Canada is proud to partner with the University of Alberta, a leader in education and research, to support Mountains 101: Massive Open Online Course (MOOC) that will provide a comprehensive overview of mountain studies.



## 2018 and beyond?

## **Teaching Mountains**





Are there new on-line courses on specific topics that we could develop in collaboration with other partners, and build on the foundations of Mountains 101?

## Mountain Knowledge & Research



**Establishing MOUNTAIN STUDIES** as an institutional signature area and strategic priority.

#### Developing a **UofA Mountain Portal** mountains.ualberta.ca





A Canadian Mountains Networks of Centres of **Excellence** initiative

RESILIENCE

Unique academic, government agency, First Nation, private sector partnerships

canadianmountainnetwork.ca

## **Mountain Partnerships**



**Thinking Mountains** 2018 Conference



Partnership with Alpine Club, RCGS & Parks Canada to codevelop Giant Floor Map of Canada's mountains









Annual Mountain Festival and celebration of International **Mountain Day** 











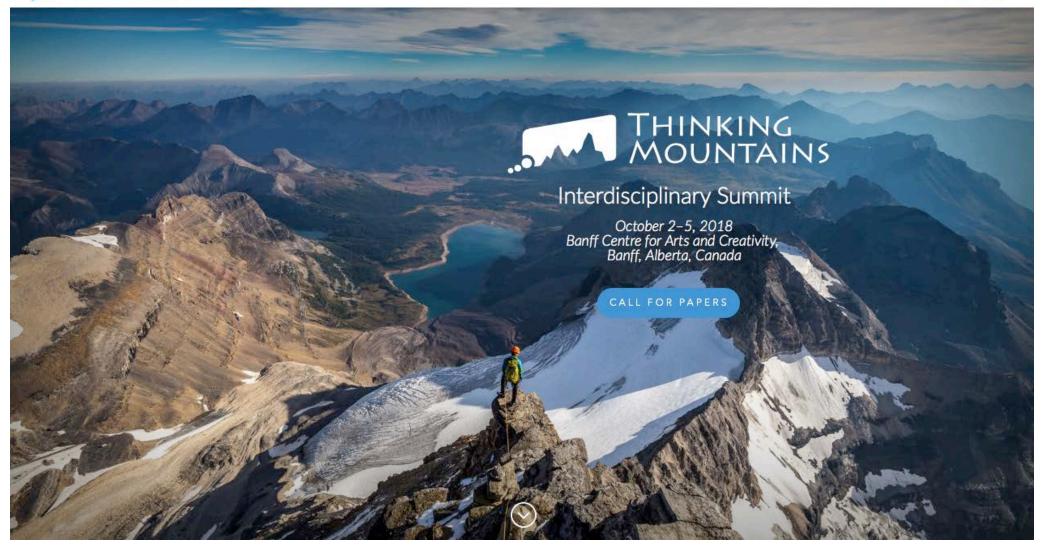
together for mountain peoples and enviro











www.thinkingmountains.ca

Maybe could organize a session on Teaching Mountains? Interest?