

University of Northern British Columbia**GEOG 298-3: Geology, Geomorphology, and Hydroclimate of the American Southwest****GEOG 498-3: Geology, Geomorphology, and Hydroclimate of the American Southwest****NRES 798-3: Geology, Geomorphology, and Hydroclimate of the American Southwest****Instructors:**Dr. Brian Menounos | Office: 8-331 | Phone: 250-960-6266 | Email: brian.menounus@unbc.caDr. Joseph Shea | Office: 8-212 | Phone: 250-960-6266 | Email: joseph.shea@unbc.ca**Time and location:***Lectures:*

Apr 27 – May 1 2020

UNBC Prince George campus (or via video conferencing), room and time TBD

Field work:

May 3 – May 13 2020

Death Valley (eastern California) and Owens Valley (California)

Course description and objectives:

This course will build upon the observations and data collected as part of the geography field school (GEOG-333/NRES-763). Students will use this information to investigate the tectonic, faulting, volcanic and sedimentary processes that have resulted in the unique landscape of the Basin and Range region, and to examine the climate and water resources of the region. Through a series of field/laboratory assignments, students will develop an understanding of and familiarity with techniques used to study a variety of geologic processes and features and geophysical datasets. Students will also be guided through the processes of writing a research or technical report which will include: literature review, methods, results, discussion and conclusion sections.

Prerequisites:

GEOG 210 or by permission of the instructor

Textbook:

There is no required textbook for this course.

Grading:*Undergraduate students (GEOG 298/498)*

- 100 % Field/laboratory assignments

Graduate students (NRES 798)

- 60 % Field/laboratory assignments
- 40 % Field project

Learning outcomes:

Students will:

- analyze, interpret and present geologic, geomorphic, and hydroclimatic information
- develop research and technical writing skills
- apply the scientific method to complete a research project

Lectures notes and supplemental readings

Location of lecture materials, supplementary readings and course announcements will be provided to the students as needed.

Policy on late/missed assignments or exams

Students are expected to understand the rules and regulations regarding academic offenses (e.g., plagiarism and cheating) as outlined in the undergraduate calendar (<http://www.unbc.ca/calendar/undergraduate/regulations>).

Students are expected to complete assignment by the due date and write exams on the scheduled date. Assignments that are not submitted on the due date will receive a late penalty of 10 % per day.

Exceptions will be made for students in case of illness or due to serious extenuating circumstance. In the event of illness or serious extenuating circumstance, the student must inform the instructor BEFORE the scheduled due date. Exceptions will not be made for poor time management.

Important notice

If there are students in this course who, because of a disability, may have a need for special academic accommodations, please come and discuss this with me, or contact staff at the Access Resource Centre (arc@unbc.ca) located in the Teaching and Learning Centre, Room 10-1048 on the main campus.

Students can also call the ARC at (250) 960-5682. Regional students can call the Centre toll-free at 1(888) 960-5682.