



COURSE IMPLEMENTATION DATE: January 2002
 COURSE REVISED IMPLEMENTATION DATE: September 2009
 COURSE TO BE REVIEWED: February 2013
(four years after UPAC approval) *(month, year)*

OFFICIAL UNDERGRADUATE COURSE OUTLINE INFORMATION

Students are advised to keep course outlines in personal files for future use.
 Shaded headings are subject to change at the discretion of the department – see course syllabus available from instructor

GEOG 470	Geography	5
COURSE NAME/NUMBER	FACULTY/DEPARTMENT	UFV CREDITS
Advanced Field Studies in Geography		
COURSE DESCRIPTIVE TITLE		

CALENDAR DESCRIPTION:

This course provides students with an opportunity to explore a world region from either a human or physical geographic perspective, or a combination of both. Students will build on previous geographic education to apply a range of geographical skills in the field to identify, analyze, synthesize, and present field data and research conclusions. Geography 470 is usually offered as an Independent Study as part of a study tour or *Adventures in Geography* field excursion.

PREREQUISITES: 60 credits, including at least 4 credits upper level geography courses; instructor's permission
 COREQUISITES:
 PRE or COREQUISITES:

SYNONYMOUS COURSE(S):

- (a) Replaces: _____
- (b) Cross-listed with: _____
- (c) Cannot take: _____ for further credit.

SERVICE COURSE TO: *(department/program)*

TOTAL HOURS PER TERM: 75

STRUCTURE OF HOURS:

Lectures: 9 Hrs
 Seminar: _____ Hrs
 Laboratory: 6 Hrs
 Field experience: 40 Hrs
 Student directed learning: 20 Hrs
 Other (specify): _____ Hrs

TRAINING DAY-BASED INSTRUCTION:

Length of course: _____
 Hours per day: _____

OTHER:

Maximum enrolment: N/A
 Expected frequency of course offerings: On demand
(every semester, annually, every other year, etc.)

WILL TRANSFER CREDIT BE REQUESTED? (lower-level courses only)

Yes No

WILL TRANSFER CREDIT BE REQUESTED? (upper-level requested by department)

Yes No

TRANSFER CREDIT EXISTS IN BCCAT TRANSFER GUIDE:

Yes No

Course designer(s): Dr. Michelle Rhodes

Department Head: Dr. Ken Brealey

Date approved: December 2008

Supporting area consultation (UPACA1)

Date of meeting: December 19, 2008

Curriculum Committee chair: Moira Gutteridge-Kloster

Date approved: February 2009

Dean/Associate VP: Dr. Eric Davis

Date approved: February 16, 2009

Undergraduate Program Advisory Committee (UPAC) approval

Date of meeting: February 27, 2009

LEARNING OUTCOMES:

Upon successful completion of this course, students will be able to:

- identify, for further research, field problems and develop testable hypotheses;
- maintain a field journal, make relevant observations, and support the journal with appropriate photographic evidence collected in the field;
- identify and use a range of appropriate research techniques (e.g. mapping, statistical analysis, GIS, participant observation, etc.) needed for completing a research project;
- combine primary and secondary source information into visual and written presentations;
- identify the larger significance of case study and field research, as well as the transferability of this research designs and findings to new research situations;
- develop an appreciation for the regional geographic character of a world region, and be able to work effectively in a non-local and potentially foreign environment.

METHODS: (Guest lecturers, presentations, online instruction, field trips, etc.)

Geography 470 is designed in support of geography study tours, including both the 5-6 day *Adventures in Geography* study tours, and the 2-3 week study tours further afield. Students completing a longer study tour will take GEOG 470 in conjunction with other courses. GEOG 470 requires the completion of field research in combination with library and on-line research, almost all of which takes place outside of the traditional classroom setting. Each day, students gain further understanding from direct field observations, landscape interpretation, on-site presentations from instructors, and other activities. Students are usually expected to complete specific field exercises while on the tour.

During a typical field study, students can expect to:

- Participate in a variety of field experiences, whether urban, rural, or occasionally wilderness. Some exercises require physical exertion, but the instructors make the best efforts to make activities as all-abilities as practical;
- Work together in groups (on certain assignments) to solve general or particular research problems in the field;
- Answer questions posed by instructors in the field that address specific geographic patterns;
- Participate further in group discussions on topics and issues associated with locations on the tour.

METHODS OF OBTAINING PRIOR LEARNING ASSESSMENT RECOGNITION (PLAR):

Examination(s) Portfolio assessment Interview(s)

Other (specify): Presentation of equivalent research or course work that demonstrates completion of research project in geography

PLAR cannot be awarded for this course for the following reason(s):

TEXTBOOKS, REFERENCES, MATERIALS:

[Textbook selection varies by instructor. An example of texts for this course might be:]

Highly variable, depending on nature of the research project and/ or study tour. Previous study tour materials used to support GEOG 470 on the *Yellowstone Adventures in Geography* study tour have included:

Articles:

- Kellert, S., Black, M., Rush, C., and A. Bath. 1996. Human Culture and Large Carnivore Conservation in North America. *Conservation Biology* 10 (4): 977-990. Available on-line.
- Nash, Roderick. 1970. The American Invention of National Parks. *American Quarterly* 22 (3): 726-35.
- Power, Thomas Michael. 1991. Ecosystem Preservation and the Economy in the Greater Yellowstone Area. *Conservation Biology* 5 (3): 395-404. Available through JSTOR.
- Varley, J. and P. Schullery. 1994. The reality and opportunity in the Yellowstone fires of 1988, in *The Greater Yellowstone Ecosystem: Redefining America's Wilderness Heritage, reissue ed.*, edited by R. Keiter, 105-122. New Haven, CT: Yale University Press.
- Wicks, C., Thatcher, W., Dzurisin, D. and J. Svarc. 2006. Uplift, thermal unrest, and magma intrusion at Yellowstone caldera. *Nature* 440: 72-75. Available on-line.

Books:

- Barker, R. 2005. *Scorched Earth: How the fires of Yellowstone changed America*. Island Press/ Shearwater Books.
- Barringer, M. 2002. *Selling Yellowstone: Capitalism and the Construction of Nature*. University Press of Kansas.
- Nabokov, P, and L. Loendorf. 2004. *Restoring a Presence: American Indians and Yellowstone National Park*. University of Oklahoma Press.
- Schullery, P. 2004. *Searching for Yellowstone: Ecology and wonder in the last wilderness*. Helena, MT: Montana Historical Society Press.
- Siegel, L. 2000. *Windows into the Earth: The Geologic Story of Yellowstone and Grand Teton National Parks*. Oxford University Press.
- Smith, D., and G. Ferguson. 2005. *Decade of the Wolf: Returning the Wild to Yellowstone*. The Lyons Press.

SUPPLIES / MATERIALS:

Supplies required are specific to research project and/or study tour.

Ex 1: Supplies required for the Mt. St. Helens and Channeled Scablands *Adventures in Geography* study tour included:

- Reading List
- Carry-on sized suitcase or backpack (approx. 55 cm x 23 cm x 40 cm)*
- Daypack (waterproof)
- TWO (2) water bottles (should be larger than 500ml)
- Rain jacket and rain pants
- Rite-in-rain books (available at UFV bookstore)
- Hiking boots (high-ankles are recommended)**
- Sleeping bag
- Small pillow
- Camera with extra batteries and film/memory card (cell phone photos are not acceptable)
- Sunscreen
- Insect repellent
- Passport or Driver's License AND birth certificate
- Photocopy of passport or driver's license and birth certificate
- Fleece jacket or similar
- Hat and gloves (could be chilly)
- Mess kit (non-breakable plate, bowl, mug and cutlery)
- Flashlight/lantern
- Personal gear (including medications etc.)
- Spending money (US funds)

STUDENT EVALUATION:

[An example of student evaluation for this course might be:]

Trip Preparation (15%):

- Written responses to core readings and videos (15%)

In the Field (50%)

- Participation in daily discussion and presentation of ideas and research (from complementary courses) while on the study tour (15%)
- Planning, execution, and presentation (post-trip) of field exercises (35%)

Post-Trip Analysis and Synthesis (35%):

- Topical Field Report, with literature review (35%)

COURSE CONTENT:

[Course content varies by instructor. An example of course content might be:]

Course content presented is highly generalized, based on content included in previous study tours:

Topic 1: Introduction to regional studies and fieldwork in Geography; Introduction to the region to be visited

Topic 2: Techniques in the field; documenting the region; how to keep fieldnotes, journaling, etc.

Topic 3: The Biophysical elements of regional landscapes; Understanding physical processes past and present; local ecology, landforms, and climate

Topic 4: Human Interaction with the physical environment; resource quality, use, and conservation

Topic 5: Demographic patterns and processes; history of settlement and patterns in the landscape today; rural and urban contrasts

Topic 6: Explorations and Experiences in cultural, social, and economic geography, including agriculture, religion, ethnicity, political systems, foodways

Topic 7: Planning and preparation; dealing with natural hazards, appropriate development; wildlife management

Field studies are conducted in different world regions. GEOG 470 is designated with letters to indicate the subject region:

COURSE	TITLE
GEOG 470	Advanced Field Study in Geography
GEOG 470A	Advanced Field Study: South America
GEOG 470B	Advanced Field Study: British Columbia
GEOG 470C	Advanced Field Study: Hawaii and Pacific
GEOG 470D	Advanced Field Study: East Asia
GEOG 470E	Advanced Field Study: Pacific Northwest
GEOG 470F	Advanced Field Study: Australasia
GEOG 470G	Advanced Field Study: Europe
GEOG 470H	Advanced Field Study: American West/Hawaii
GEOG 470I	Advanced Field Study: South Asia
GEOG 470J	Advanced Field Study: National Parks
GEOG 470K	Advanced Field Study: Mexico and Central America
GEOG 470L	Advanced Field Study: Great Lakes/Central Canada
GEOG 470M	Advanced Field Study: Atlantic Canada
GEOG 470N	Advanced Field Study: United States
GEOG 470O	Advanced Field Study: Western Canada
GEOG 470P	Advanced Field Study: Western Europe
GEOG 470Q	Advanced Field Study: Southern Europe
GEOG 470R	Advanced Field Study: Eastern Europe
GEOG 470S	Advanced Field Study: Russia
GEOG 470T	Advanced Field Study: Southwest Asia/Middle East
GEOG 470U	Advanced Field Study: Southeast Asia
GEOG 470V	Advanced Field Study: Canada
GEOG 470W	Advanced Field Study: Sub-Saharan Africa
GEOG 470X	Advanced Field Study: East Africa
GEOG 470Y	Advanced Field Study: Circumpolar North/Canada's North

This lettering is consistent with GEOG 433.