

**GEOGRAPHY 328:  
GIS ANALYSIS**  
DEPARTMENT OF GEOGRAPHY, UNIVERSITY OF VICTORIA  
Course outline – Spring 2015

**GENERAL INFORMATION**

Dr. Shannon Fargey  
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Tel: 250-721-7342

**Office hours:** Monday 10:00 am to 12:00 pm  
Thursday 2:00 pm to 3:00 pm  
or by appointment

**Lecture Information:**

Time: Tues, Wed – 12:30 pm -1:20 pm  
Location: COR B107

**Laboratory Information**

A01	W	3:30-5:20 pm	DTB A251
A02	R	8:30-10:20 am	DTB A251
A03	F	12:30-2:20 pm	DTB A251

**COURSE DESCRIPTION**

This course focuses on analysis for digital mapping and modeling, developing and using geographic data to answer spatial research questions.

**COURSE OBJECTIVES**

1. To understand the capabilities and limitations of GIS

## **TOPICS TO BE STUDIED**

GIS overview

Geospatial data

Spatial analysis building blocks

Data exploration: accuracy and uncertainty

Surface analysis

- Terrain mapping and analysis
- Watershed analysis
- Interpolation

Network and location analysis

Modelling in GIS

Special topics and current research applications

## **EVALUATION CRITERIA**

Labs (5) = 50% (10% each)

Term Tests (2) = 10% each (February 4<sup>th</sup> and March 10<sup>th</sup>) during lecture period

Final Exam = 30% - Date/Time TBA

You must obtain a passing grade (i.e.,

## **COURSE READINGS AND LEARNING RESOURCES**

Assigned readings for this course will come from a free online e-resource entitled, **Geospatial Analysis - 5th Edition, 2015 by: de Smith, Goodchild, Longley.**

<http://www.spatialanalysisonline.c>

## IMPORTANT COURSE POLICIES

Students must complete all evaluation components to obtain credit.

Failure to complete an assignment (lab) or exam (midterm or final), without permission from the instructor, will result in an 'N' grade, which equals a Grade Point Value of 0.0

### **Missed exams:**

Students will not be permitted to write make-up tests except for documented medical or compassionate reasons. Please inform the instructor of your situation promptly and present written proof within five (5) working days.

Any make-up test or examination may not follow the same format as the in-class one.

Conflicts with holidays or travel plans are not considered an acceptable reason to apply for a deferred examination.

### **Assignments:**

Late assignments will be penalized 10% per day (including weekends and holidays). Exceptions will only be granted for documented medical or compassionate reasons. Only the course instructor can grant exceptions.

All assignments must be submitted to write the final exam.

Details regarding your labs and their marks are managed by the course TA. Please discuss any issues on labs with your TA first.

Please attend only the laboratory section for which you are registered. If you must miss a lab for exceptional circumstances please make arrangements with your TA in advance to attend another section.

Conflicts with holidays or travel plans are not considered an acceptable reason to apply for an assignment extension.

## STUDENT RESPONSIBILITIES

A high level of student cooperation and participation, involving asking and answering questions during the lectures.

Not all assigned readings and learning resources will be covered in the lectures but may be covered in the exams.

## **CLASS CLIMATE**

The University of Victoria is committed to promoting, providing and protecting a positive and safe learning and working environment for all its members.

The University of Victoria has made a conscientious effort to increase diversity in the student, staff and faculty member populations. To ensure that all class members feel welcomed and equally able to contribute to class discussions, we will all endeavour to be respectful in our language, our examples, and the manner in which we conduct our discussions and group work. If you have any concerns about the climate of the class, please contact me.

## **ACADEMIC INTEGRITY**

Academic dishonesty (plagiarism, cheating) is a very serious matter in any academic institution and is dealt with severely at the University of Victoria.

Instructors and academic units have the responsibility to ensure that standards of academic honesty are met. By doing so, the institution recognizes students for their hard work and assures them that other students do not have an unfair advantage through cheating on essays, exams, and projects.

Plagiarism sometimes occurs due to a misunderstanding regarding the rules of academic integrity, but it is the responsibility of the student to know them. If you are unsure about the standards for citations or for referencing your sources, ask your instructor.

Infractions will be dealt with in accordance with University policy. Commonly, the penalty for any form of cheating/plagiarism is a grade of F on the tests or laboratory assignments, or a final grade of F in the course. However, depending on the severity of the case other penalties may include a record on the student's transcript or expulsion. Please familiarize yourself with the University policy on academic integrity found in the Undergraduate Calendar at the following website. Please contact me if you have any questions.

<http://web.uvic.ca/calendar2011/FACS/UnIn/UARe/PoAcI.html>

## **STUDENTS WITH A DISABILITY**

If you have any type of disability, there are support systems, resources, and accommodation actions available to you. If you wish to access any of these supports, resources or accommodations, I encourage you to contact the Resource Centre for Students with a Disability (<http://www.uvic.ca/services/rcsd/>)

## **GEOG 328 - LAB INFORMATION**

### **LAB MANUAL ACCESS**

<http://www.geog.uvic.ca/geog328>

username: geog328 password: gis328

### **LAB ASSIGNMENTS INFORMATION**

Lab assignments are due at the beginning