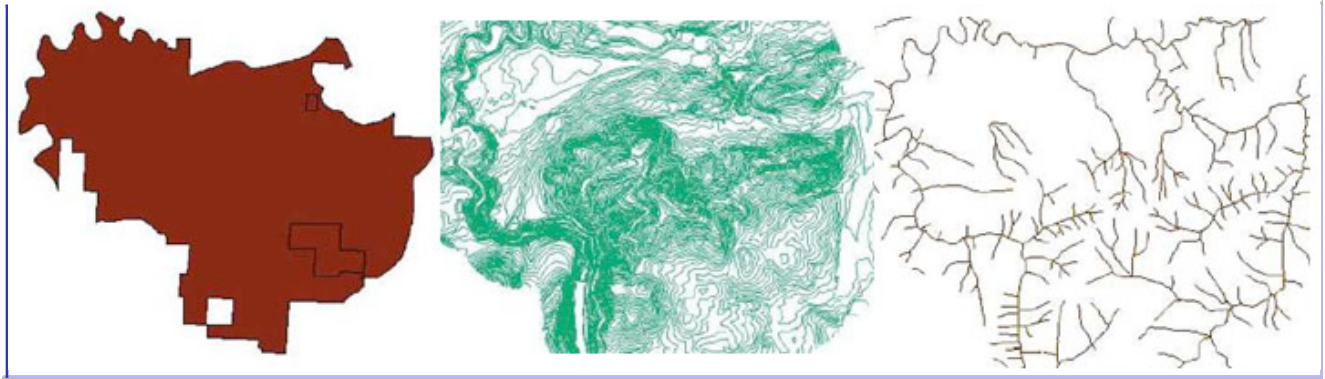


Introduction to ArcGIS

BIS 393 A
Winter, 2006



This course is an introduction to the mechanics of using Geographical Information Systems (GIS) for environmental problem solving. We will be using ArcGIS 9.0, from Environmental Systems Research Institute (ESRI), which is computer software designed to "capture, manage, manipulate, analyze, model and display spatially referenced data for solving complex planning and management problems". In other words, it is a tool that allows you to present data graphically using maps built of different layers; the goal being to help visualize concepts and conditions to aid in the decision-making process. By the end of the course, you will have enough experience in using the basics of GIS so that you will be able to use it in a job -- then with continued on-the-job training, you can become proficient in GIS.

This will be primarily a self-paced class, meeting twice a week. The weekly format will normally include: i) on-line lectures, ii) some class demonstration of techniques, iii) self-paced exercises from *Getting to Know ArcGIS*, and iv) eReserve reading assignments from pertinent books and articles. There will be an occasional guest speaker.

Class Specifics

Instructor	Chuck Henry	Meeting place: UW2 121
Office hours	11:00 - 12:00 T,Th	Meeting time: Tu, Th 8:45-10:50
Office	144 UW 1	Grade Calculation:
Phone	425-352-3587	Weekly assignments = 60%
Email	clh@u.washington.edu	Final Project = 40%

Class Schedule

Week	Tuesday	Thursday	Reading
Jan 3, 5	<u>Intro to the course and GIS; getting your e-workspace set up</u>	Chapters 3 & 4	<u>What is GIS?</u> Ch. 1

Jan 10, 12	Chapter 5	Chapter 6	<i>What is GIS?</i> Ch. 2
Jan 17, 19	Chapter 7	Chapter 8	<i>What is GIS?</i> Ch. 3
Jan 24, 26	Chapter 9	Chapter 10	<i>What is GIS?</i> Ch. 4
Jan 31, Feb 2	Chapter 11	Chapter 12	<i>What is GIS?</i> Ch. 5
Feb 7, 9	Chapter 13	Chapter 14	<i>What is GIS?</i> Ch. 6
Feb 14, 16	Chapter 15	Chapter 16	<i>What is GIS?</i> Ch. 7
Feb 21, 23	Chapter 17	Chapter 18	<i>What is GIS?</i> Ch. 8
Feb 28, Mar 2	Chapter 19	Chapter 20	
Mar 7, 9	Student presentations	Student presentations	

Assignments

Week	Assignment are all to be transferred to me by Friday of the week assigned.
1 Due Jan 8	Assignment 1. Transfer to me "your_ex03a.jpg", "your_ex03b.jpg", "your_ex03c.jpg", "your_ex04c.jpg".
2 Due Jan 15	Assignment 2. Transfer to me "your_ex05a.jpg", "your_ex05b.jpg", "your_ex05c.jpg", "your_ex05d.jpg", "your_ex06a.jpg", "your_ex06b.jpg", "your_ex06c.jpg", "your_ex06d.jpg".
3 Due Jan 22	Assignment 3. Transfer to me "your_ex07a.jpg", "your_ex07b.jpg", "your_ex07c.jpg", , "your_ex08a.jpg", "your_ex08b.jpg", "your_ex08c.jpg".
4 Due Jan 29	Assignment 4.
5 Due Feb 9	Assignment 5.
6 Due Feb 16	Assignment 6.

7 Due Feb 23	Assignment 7.
8 Due Mar 2	Assignment 8.
9 Due Mar 9	Assignment 9.