

Introduction to Geoinformatics: Department of Geology and Geophysics, University of Alaska Fairbanks
Instructor Anupma Prakash (Email: prakash@gi.alaska.edu)

Class Schedule : GEOS 378 : Spring 2006 (Lecs: M/F 9.15 - 10.15 am at NSF-233; Labs: W 2.15 - 5.15pm at NSF 316)

Date	Day	Lecture/Lab No.	Topic	Comments
Jan-20-06	Friday	Lecture 1	Introduction to Geoinformatics	
Jan-23-06	Monday	Lecture 2	Earth system science and Geoinformatics	
Jan-25-06	Wednesday	Lab 1	Geospatial resources on the web	Start thinking about a project
Jan-27-06	Friday	Lecture 3	Data Types	
Jan-30-06	Monday	Lecture 4	Data Formats	
Feb-01-06	Wednesday	Lab 2	Introduction to Arc GIS	Communicate your project ideas (general)
Feb-03-06	Friday	Lecture 5	Aerial photography	
Feb-06-06	Monday	Lecture 6	Satellite remote sensing	
Feb-08-06	Wednesday	Lab 3	Spreadsheets	guest lecturer, Rudi Gens ASF
Feb-10-06	Friday	Lecture 7	Spreadsheets	Merged with Lab 3
Feb-13-06	Monday	Lecture 8	Digital data - raster	
Feb-15-06	Wednesday	Lab 4	Introduction to Erdas Imagine	In parallel search and download data
Feb-17-06	Friday	Lecture 9	Map projections	
Feb-20-06	Monday	Lecture 10	Introduction to projects + recap	
Feb-22-06	Wednesday	Lab 5	Start-on project work (complete previous labs)	Decide on a project (self / suggested)
Feb-24-06	Friday	Quiz	up to lecture 9 and lab 4	(Quiz - 15% total)
Feb-27-06	Monday	Lecture 11	GIS Concepts	
Mar-01-06	Wednesday	Lab 6	Arc GIS structured lab - part1	Supervision: Bill Witte
Mar-03-06	Friday	Lecture 12	GIS tools	guest lecturer, Rudi Gens ASF
Mar-06-06	Monday	Lecture 13	Data Preparation	
Mar-08-06	Wednesday	Lab 7	ArcGIS structure lab - part2	
Mar-10-06	Friday	Lecture 14	GIS Analysis	
Mar-13-06	Monday	Spring Recess		
Mar-15-06	Wednesday	Spring Recess		
Mar-17-06	Friday	Spring Recess		

Mar-20-06	Monday	Lecture 15	GIS Application	
Mar-22-06	Wednesday	Lab 8	3-D terrain visualization	
Mar-24-06	Friday	Lecture 16	GPS 1	
Mar-27-06	Monday	Lecture 17	GPS 2	
Mar-29-06	Wednesday	Lab 9	GPS Lab	Outdoor: please be prepared
Mar-31-06	Friday	Lecture 18	Meeting a GIS professional	Guest lecturer
Apr-03-06	Monday	Lecture 19	Projects and glitches	
Apr-05-06	Wednesday	Lab 10	GIS in industry + GPS practise	visit to a GIS user industry
Apr-07-06	Friday	Test	Revision and discussion	up to lecture 19 and lab 10 (20%)
Apr-10-06	Monday	Lecture 20	Cartography - Basics	
Apr-12-06	Wednesday	Lab 11	Project work	Supervision available
Apr-14-06	Friday	Lecture 21	Making good maps	
Apr-17-06	Monday	Lecture 22	3D visualization	
Apr-19-06	Wednesday	Lab 12	Immersive technology	Real examples at ARSC
Apr-21-06	Friday	Lecture 22	Compiling GIS report	
Apr-24-06	Monday	Lecture 23	Compiling final presentations	
Apr-26-06	Wednesday	Lab 13	Project work	Supervision available
Apr-28-06	Friday	No class	UAF Spring Recess	No class
May-01-06	Monday	Lecture 24	GIS at UAF	Guest lecture: GINA
May-03-06	Wednesday	Lab 14	Independent work	No supervision available
May-05-06	Friday	Lecture 25	Independent work	No class
May-10-06	Wednesday	Final Exams		40% of total marks
May-11-06	Thursday	Final Exams		involves report and presentation

25% marks are reserved for class participation and homework