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Course outline

Topic

Course overview and introduction

Readings

<http://www.gis.com>

<http://www.geographynetwork.com>

<http://www.esri.com>

<http://www.gisafe.com>

What is GI and GIS?

Chapter 1

GIS applications

Chapter 2

Representing geography

Chapter 3

Georeferencing

Chapter 4

The nature of geographic data

Chapter 5

Review

Midterm I: Wednesday, September 22nd

Uncertainty in geographic models

Chapter 6

Generalization, abstraction and metadata

Chapter 7

GIS software

Chapter 8

Geographic data modeling

Chapter 9

GIS data collection

Chapter 10

Creating and maintaining geodatabases

Chapter 11

Geographic visualization

Chapter 12

Review

Midterm II: Wednesday, October 27

Geographic query and analysis

Chapter 13

Advanced spatial analysis

Chapter 14

Uncertainty, error and sensitivity

Chapter 15

GIS management and business

Chapter 16

Selecting a GIS

Chapter 17

GIS operations and partnerships

Chapters 18, 19

Social, legal and economic issues

Handout

Final Review

Important dates (Note: these are for 2004)

September 3

Last day to drop classes

September 6

Labor day (no lecture and lab)

September 7

Last day to add classes

October 7-8

Fall break (no effect on us)

November 17

GIS Day (see <http://www.gisday.com>)

November 25-26

Thanksgiving Break (no lecture)

December 8

Last day of class (final review)

Final exam: Friday, December 17, 10:30 am – 12:30 pm