

SYLLABUS

Geography 316 – Fundamentals of GIS Fall 2008 – Instructor: Pat Kambesis

| Week | Topic | Assignments |
|--|---|--|
| Aug 25 Aug. 27 | Class orientation File Management Website basics Get your webspace | Ex. 1 File Management exercise Web page tutorial: http://www.mcli.dist.maricopa.edu/tut/lessons.html Ex 2. Lesson 0 – Review topics Q. 1 Lesson 1 – Review topics Q 1-5 Lesson 2 – Review topics Q 1-3 |
| Sept 1 –no class Sept. 3 | Introduction to GIS Working with Arc Catalog Website basics cont. | Ex 3 – What is GIS HTML tutorial Lesson Lesson 3 Q1-4 Ex. 4 – Arc Catalog HTML tutorial Lesson 4 Q1-4 |
| Sept 8 Sept 10 | Working with ArcGIS Website basics cont. Practical Exam 1 | Ex. 5 Basic ArcGIS HTML Tutorial Lesson 5 Q1-2 |
| Sept 15 Sept 17 | Working with ArcMap | Ex. 6 Basic ArcMap HTML Tutorial Lesson 6 Q1-5 |
| Sept 22 Sept 24 | Using ArcMap Elements of Cartography | Ex. 7 ArcMap continued Ex. 8. Making a map HTML tutorial Lesson 7 – Q1-3 |
| Sept 29 Oct. 1 (fall break Oct 2-3) | Written Exam 1 | Open lab to complete assignments and update webpage Project 1 TBA |
| Oct 6 Oct. 8 | Coordinate Systems | Ex. 9 Working with Coordinate systems HTML tutorial Lesson 7a – Q.1, 2, 4 |
| Oct. 13 Oct. 15 | Drawing & symbolizing features | Ex. 10 Symbology on maps HTML tutorial Lesson 8A-C -do all review questions |
| Oct. 20 Oct. 22 | Working with Tables in ArcMap Basic statistics in GIS | Ex. 11 GIS & Statistics HTML tutorial Lessons D-E – do all review questions |
| Oct. 27- Oct. 29 | Introduction to GPS Practical Exam 2 | Ex. 12 – Making a base map and plotting GPS locations HTML Tutorial 12 Q 1-3 |
| Nov. 3 Nov. 5 | Introduction to Thematic maps | Ex. 13 – Making a Choropleth Map, general reference map HTML Lesson 13 Q. 1-2 |
| Nov. 10 Nov. 12 | Thematic maps -cont. | Ex. 14 – Making dot density & proportional symbol map HTML Lesson 14 Q 1-3 |
| Nov. 17 Nov. 19 | Thematic maps – cont. | Ex. 15 – Finding and utilizing GIS data HTML Lesson 16 – 20 Answer all questions Project 2 TBA |
| Nov. 24 Nov 26 – Thanksgiving Break | Written Exam 2 | Open lab to complete outstanding assignments Reorganize & reformat webpages |
| Dec 1 Dec 3 | Working with Queries Review for Final Lab Project | Final Lab Project assigned |
| Dec 8-12 | Finals week | Final project due on Dec. 12 |