

GEOG 3500 – Introduction to GIS

Summer, 2015 (July 13 – August 14), Monday through Thursday, 12:00 – 1:50 PM, ENV 336

Dr. Pinliang Dong

ENV 310B

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Office Hours: Mon 2:00 – 3:00 PM, Thu 2:00 – 3:00 PM, or by appointment.

Objectives

1. Understand basic geography and GIS concepts pertinent to conducting analyses of geospatial data.
2. Integrate various spatial and non-spatial data formats using an industry-standard GIS software package to create cartographic products.
3. Develop a strong foundational understanding of GIS technology that enables correct use of GIS for other university coursework, independent research or employment.

Course Materials

1. Text: Getting to Know ArcGIS 10.1 Desktop (3rd Edition), Law and Collins, ESRI Press.
2. Lab workbook: Journey along the Path of GIS Enlightenment, Hunter, UNT. Purchase from Eagle Images in the University Services Building 125 (facilities.unt.edu/bldg/usb, north of Fouts Field).
3. Personal USB flash drive.

Grading Structure

Item	Percentage	Notes
Labs (2% each)	20%	Labs are due before the beginning of the next lab. No late lab results are accepted. Save answers as a Word document (e.g. Lab1.doc) in your student folder at R:\CSAM\3500\StudentFolders\YourLastName).
Projects (15% each)	60%	Save answers as a Word document (e.g. Project1.doc) in your folder. Results of the project should also be saved in the same folder.
Midterm Exam	10%	50 multiple choice, fill-in-the-blank, and short answer questions.
Final Exam	10%	50 multiple choice, fill-in-the-blank, and short answer questions.
Total	100%	90-100: A; 80-89: B; 70-79: C; 60-69: D; 0-59: F. A minimum grade of "B" is required for the GIS Certificate.

Extra Credit

The Department of Geography does not allow extra credit assignments (work not specified on a course syllabus).

Schedule

Summer 2015 - 5W2 Session

Date	Event
July 13, 2015	First Class Day
July 13, 2015	Student-requested schedule changes may be made during add/drop.
July 13, 2015	Last day for change of schedule other than a drop. (Last day to add a class.)
July 17 - August 5, 2015	Student may drop a course with written consent of instructor.
July 23, 2015	Last day for change in pass/no pass status.
July 23, 2015	Last day to drop a course or withdraw from the university with a grade of W for courses a student is not passing. After this date a grade of WF may be recorded.
July 24 - August 5, 2015	Instructors may drop students with a grade of WF for nonattendance.
August 5, 2015	Last day to withdraw from the semester. Process must be completed by 5 p.m. in the Dean of Students Office.
August 6, 2015	Beginning this date a student who qualifies may request a grade of I, incomplete. (See "Grading system" in the Academics section of this catalog.)
August 13, 2015	Last Class Day
August 14, 2015	Finals

(Source: <http://www.unt.edu/catalogs/2014-15/calendar.htm>)

Date	Lecture	Lab	Text Reading	Projects*
07/13	Introduction	Demo	Chapters 1-4	
07/14	Spatial data concepts	Lab 1	Chapters 5-6	
07/15	Coordinate systems and projections (1)	Lab 2.1	Chapters 5-6	
07/16	Coordinate systems and projections (2)	Lab 2.2	Chapters 7-8	
07/20	Symbolizing/classifying data	Lab 3	Ch 9, Ch 15	
07/21	Labeling and querying (1)	Lab 4.1	Ch 9, Ch 15	Project 1 (due 07/29)
07/22	Labeling and querying (2)	Lab 4.2	Ch 16, Ch 17	
07/23	Attributes and tables (1)	Lab 5	Ch 16, Ch 17	Project 2 (due 08/06)
07/27	Attributes and tables (2)	Lab 6	Chapter 10	
07/28	Map making	Lab 7	Chapters 12-13	
07/29	Midterm Exam			
07/30	Editing spatial data (1)	Lab 8.1	Chapters 12-13	Project 3 (due 08/11)
08/03	Editing spatial data (2)	Lab 8.2	Chapter 11	
08/04	Editing geodatabases & topology (1)	Lab 9.1	Chapter 11	
08/05	Editing geodatabases & topology (2)	Lab 9.2	Ch 18a-c, Ch 19	
08/06	Data manipulation	Lab 10	Ch 18a-c, Ch 19	Project 4 (due 08/13)
08/10	Planning and data analysis	Lab 11	Chapter 18d	
08/11	Model building	Lab 12	Chapter 14	
08/12	Geocoding	Lab 13	Chapter 14	
08/13	Review			
08/14	Final Exam			

(* Note: If the due dates on the project documents are different from the due dates in the syllabus, please use the due dates in the syllabus.)

Academic Dishonesty

Students caught cheating or plagiarizing will receive a "0" for that particular assignment or exam. Additionally, the incident will be reported to the Office of Student Rights and Responsibilities for further penalty. According to the UNT catalog, the term "cheating" includes, but is not limited to:

- a. Use of any unauthorized assistance in taking quizzes, tests, or examinations;
- b. Dependence upon the aid of sources beyond those authorized by the instructor in writing papers, preparing reports, solving problems, or carrying out other assignments;
- c. The acquisition, without permission, of tests or other academic material belonging to a faculty or staff member of the university;
- d. Dual submission of a paper or project, or resubmission of a paper or project to a different class without express permission from the instructor(s); or
- e. Any other act designed to give a student an unfair advantage.

The term "plagiarism" includes, but is not limited to:

- a. The knowing or negligent use by paraphrase or direct quotation of the published or unpublished work of another person without full and clear acknowledgment; and
- b. The knowing or negligent unacknowledged use of materials prepared by another person or agency engaged in the selling of term papers or other academic materials.

Accommodations

The University of North Texas makes reasonable academic accommodation for students with disabilities. Students seeking accommodation must first register with the Office of Disability Accommodation (ODA) to verify their eligibility. If a disability is verified, the ODA will provide you with an accommodation letter to be delivered to faculty to begin a private discussion regarding your specific needs in a course. You may request accommodations at any time, however, ODA notices of accommodation should be provided as early as possible in the semester to avoid any delay in implementation. Note that students must obtain a new letter of accommodation for every semester and must meet with each faculty member prior to implementation in each class. For additional information see the Office of Disability Accommodation website at <http://www.unt.edu/oda>. You may also contact them by phone at 940.565.4323.

Classroom Courtesy

Please follow these guidelines to avoid disrupting the class:

- (1) Turn off cell phones before arriving.
- (2) Do not arrive late or leave early (except for a bathroom break or emergency).
- (3) Do not sleep or eat during class.
- (4) Do not work on other assignments during class.
- (5) Do not talk when the instructor is lecturing, unless prompted for feedback by the instructor.

Student Evaluation of Teaching Effectiveness (SETE)

The Student Evaluation of Teaching Effectiveness (SETE) is a requirement for all organized classes at UNT. This short survey will be made available to you at the end of the semester, providing you a chance to comment on how this class is taught. I am very interested in the feedback I get from students, as I work to continually improve my teaching. I consider the SETE to be an important part of your participation in this class. At the end of the semester, please visit <https://sete.unt.edu> and login using your EUID and password to complete the short survey.

CSAM Lab Rules/Expectations

1. **Cellphones:** turn them off or turn the ringer off. If necessary, use your cell phone in the hallway after the exercise presentation is given at the beginning of the lab.
2. No food or drink next to the computers. Place any foodstuffs on the shelves at the back of the lab and **dispose of it when you leave.** Soft drink cans/bottles and paper goes in recycling bins.

Note! You are being video recorded in lab. If the food/drink rule is abused it will cause a food/drink ban. The damage we have received over the years has been from spilt drinks in the lab.

3. **Do not print out material for other classes.** We do not receive funds to support the printer. Your fees go to the General Access Computer Labs (GAL). If you have large print jobs, please do them in GAL labs located around campus: computerlabs.unt.edu/location-labs.
4. **Save your work on the T:\ drive or flash drive and save often.** The computers shut down every night between 2:00–7:00A. **Data on the C:\ drive is automatically deleted each night.** If you are working late, save your work often to your own storage place.
5. **Do not do your work during other classes.** The lab schedule is posted on the door. Please be respectful of others and refrain from using the labs during times it is scheduled for instruction.
6. **Communication:** email is the first means of communication with the lab instructors. Always include your name in the email. Do not wait until the last minute to ask instructors for help or guidance.
7. **Do not share the access codes to CSAM labs with others and never prop the building doors open.**

Note! Occasionally, UNT Police will check the lab at EESAT closing time. You have the department's permission to use the CSAM facilities after hours. However, if you leave the building you may not return – the outside doors will be locked. Never prop the outside doors to the building. Safety is a top priority.

Typical EESAT (ENV) Building Hours:

10:00 am – 10:00 pm SUN

7:00 am – 11:00 pm M – R

7:00 am – 10:00 pm F

8:00 am – 10:00 pm SAT
