PADM 3210: Population Demographics and Urban Planning

Instructor:
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Class Meetings:
Monday 12:30pm - 1:50pm
Wednesday 12:30pm - 1:50pm
Class Location: Gateway 141

Office Hours:
Wednesday 3:00 – 5:00pm
And also by appointment
Office Location: 204N Chilton Hall

Course Overview:
This course will introduce concepts and methods in population demographic and their linkages with urban planning issues. The course will be divided into two sections. In the first half, you will learn concepts such as population calculations, population growth, structures, projections, and migration. In the second half, you will explore how these concepts relate to urban issues like segregation, sprawl, regional economy and globalization. Throughout the class, you are expected to identify a research area of your interest and delve into it by applying population demographic techniques.

Learning Goals:
- Understand population demographic concepts and methods.
- Conduct demographic analyses in spatial contexts.
- Explore how demographic issues are addressed in urban planning disciplines.
- Develop research ideas using demographic skills and methods.

Required Textbook:
Jennifer Hickes Lundquist, Douglas L. Anderton and David Yaukey. Demography: the study of human population. Waveland Press. 4th Edition

Recommended Textbook:
Dave H. Kaplan and Steven Holloway. Urban Geography. Wiley. 3rd Edition

Course Requirements:

1. Class Participation 20%

Active participation is essential in this course. Participation comprises two components: **attendance (10%)** and participation in **in-class activities (10%)**. In emergent situations, you must inform the instructor before the class and receive instructor's confirmation.

Every class will include in-class activities that require students to submit their outputs on Canvas. Unless indicated otherwise, the output must be **uploaded on Canvas before 11:59 PM the next day of the class** (Tuesday 11:59 PM for a Monday class and Thursday 11:59 PM for a Wednesday class). Any submissions turned in later than that **will not be accepted**.

2. Population Demographic Analysis Paper 25%

Students will choose two different communities in the U.S. and build a demographic profile of these two neighborhoods. These profiles will be based on various demographic concepts and methods covered in the first section of the course, including population growth, sex-age structures, demographic and socio-economic characteristics, migration, and population projections. In the paper, students must compare the trends of these two neighborhoods using both tables and descriptive sentences. Detailed guidelines for the paper will be provided in class.

The paper needs to be submitted by the specified deadline. Late submissions will incur a penalty of **10 points per day**. Submissions more than **two days late will not be accepted**.

3. Mid-term Exam 30%

There will be an online, open-book exam. Detailed guidelines will be provided in class. Please note that discussion or collaboration with other students during the exam **is not allowed.**

4. ArcGIS StoryMaps Project 25%

For the final project, students will create a place-based story using ArcGIS StoryMaps. You will choose a research topic related to urban planning that involves demographic concepts and methods. Before submitting the final version, you will present your story in class and receive feedback from the instructor and your peers. Detailed guidelines for the project will be provided in class.

The paper needs to be submitted by the specified deadline. Late submissions will incur a penalty of **10 points per day**. Submissions more than **two days late will not be accepted**.

Grading Policies:

Grades will be determined by:

Class Participation	
Attendance	10%
In-class Activities	10%
Population Demographic Analysis Paper	25%
Exam	30%
ArcGIS StoryMaps Project	25%
Total	100%

Communication Policy:

If you have any questions about the course, send an email to Annie.Lee@unt.edu. The subject line of emails should state "Population demographics and planning." Instructor will usually respond within 48 hours (not including the weekend), and often much quicker. To ensure a response, always plan to e-mail at least 48 hours before a deadline.

Assignment Policy:

Assignment (in-class activities, population demographic analysis paper and ArcGIS StoryMaps Project) due dates will be posted on Canvas. All assignments should be submitted **via Canvas**.

Academic Integrity:

The University of North Texas values the integrity of learning and embraces the core values of trust and honesty. All students must understand their responsibilities and the academic penalties associated with academic misconduct, such as cheating and plagiarism, under UNT policy "06.003 Student Academic Integrity" (see https://vpaa.unt.edu/ss/integrity).

Course Outline:

Week 1	
8/18	Course introduction
8/20	Demographic concepts and theories
	Reading: Demography p.1-6
Week2	
8/25	Demographic change and calculations
	Reading: Demography p.6-18
8/27	Demographic data
	Reading: Demography p.19-31
Week 3	
9/1	**Labor Day (no class)**
9/3	UNT Special Collection Tour
Week 4	
9/8	Demographic data and sample surveys

	Reading: Demography p.32-44
9/10	Lab session 1: Creating tables and charts in Excel
Week 5	
9/15	Population growth
	Reading: Demography p.47-86
9/17	Population structures
	Reading: Demography p.93-107
Week 6	
9/22	Lab session 2: Population Pyramids
9/24	Lab session 3: Population Projections
Week 7	
9/29	Migration theories and data
	Reading: Demography p.325-360
10/1	Lab session 3: Population projections 2
	Population Demographics Paper Work Session 1
Week 8	
10/6	Urbanization
	Reading: Demography p.375-398
10/8	Population diversity
	Reading: Demography p.405-424
Week 9	
10/13	**Mid-term exam**
10/15	Lab session 4: Population demographic analysis paper work session 2
Week 10	
10/20	Lab session 5: Introduction to ArcGIS StoryMaps
10/22	Urban segregation
	Reading: Demography p.433-441
Week 11	
10/27	Lab session 6: ArcGIS StoryMaps work session
10/29	Housing and sprawl
	Reference: Urban Geography 198-214
Week 12	
11/3	Globalization and cities
	Reference: Urban Geography 86-97
11/5	Final project presentation 1
Week 13	
11/10	Final project presentation 2
11/12	Globalization and technology *(Virtual Session)*
	Reference: Urban Geography 97-113
Week 14	
11/17	Final project presentation 3
11/19	Final project presentation 4
Week 15	

11/24	***Thanksgiving break (no class)***
11/26	***Thanksgiving break (no class)***
Week 16	
12/1	Economic activities and jobs
	Reference: Urban Geography 142-166
12/3	Summary Session