PADM 3210: Population Demographics and Urban Planning

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

Office Hours:
Monday and Wednesday 2:00 - 3:00pm
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, diversity, 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.

Prerequisite Knowledge:
No prior knowledge is required for this course.

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%)**.

Each absence will result in a **5-point deduction** from your total grade. 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. Exam 30%

There will be an online exam. The exam questions will be based on materials covered from week 1 up to the last class before the exam. It will be an open-book exam. You are **not allowed** to discuss or collaborate with other students during the exam.

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%

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

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	
8/19	Course introduction
8/21	Demographic concepts and theories Reading: Demography p.1-6
Week2	
8/26	Demographic change and calculations Reading: Demography p.6-18
8/28	Demographic data Reading: Demography p.19-31
Week 3	
9/2	Labor Day (no class)
9/4	Demographic data and sample surveys Reading: Demography p.32-44

Week 4	
9/9	Lab session 1: Creating tables and charts in Excel
9/11	Population growth Reading: Demography p.47-86
Week 5	
9/16	Population structures Reading: Demography p.93-107
9/18	Lab session 2: Population projections
Week 6	
9/23	Migration and data Reading: Demography p.325-334
9/25	Migration theories and policies Reading: Demography p.334-360
Week 7	
9/30	Lab session 3: Population demographic analysis paper & population projections 2
10/2	Urbanization Reading: Demography p.375-398
Week 8	
10/7	Population diversity Reading: Demography p.405-424
10/9	Urban segregation Reading: Demography p.433-441
Week 9	
10/14	***Online exam***
10/16	Lab session 4: Population demographic analysis paper
Week 10	
10/21	Lab session 5: Introduction to ArcGIS StoryMaps
10/23	Residential and income segregation Reference: Urban Geography 233-268
Week 11	
10/28	Housing and sprawl Reference: Urban Geography 198-214
10/30	Globalization and cities Reference: Urban Geography 86-97
Week 12	
11/4	Globalization and technology Reference: Urban Geography 97-113
11/6	Lab session 6: ArcGIS StoryMaps work session
Week 13	
11/11	Industrial location and agglomeration Reference: Urban Geography 142-166
11/13	Economic activities and jobs Reference: Urban Geography 142-166

Week 14	
11/18	Final project presentation 1
11/20	Final project presentation 2
Week 15	
11/25	Thanksgiving break (no class)
11/27	Thanksgiving break (no class)
Week 16	
12/2	Summary session
12/4	Final project work session ***Deadline for the final project submission: Dec 6th 11:59 pm.***