The course will involve three parts: (1) an introduction to demographic theory, modeling, and data; (2) a focus on demographic projections; and (3) an introduction to a select set of topics: aging, health, labor, immigration/migration, housing/urban-regional development and sprawl, political demography/politics and voting in the 2012 election and afterwards and the environment & sustainability. We will cover only a subset of these topics—as time allows.

The 5 main objectives are as follows: (1) to develop the ability to evaluate different perspectives and claims regarding expected population changes in the future and the basis for such perspectives and claims; (2) to gain experience in accessing data sources on population—globally, as well as for the US; (3) to develop the ability to make baseline population projections and to evaluate more complex population projections; (4) to develop a baseline for identifying the most important population policy issues and how they differ in different parts of the globe; and (5) to develop a relatively thorough grasp of three fundamental areas of population—fertility, mortality and migration.

Requirements are three:

1. Weekly or bi-weekly calculation or identification of demographic measures assigned in class using publicly available data and/or assessment of key findings in the readings [20%]

2. Brief data analysis using publicly accessible data (e.g. US Census)—local, state, national or international [20% due in Oct.]

3. Main exercises/data analyses [60%]
   1) Global Issues (20%)
   2) Projection (20%) —2- person teams
   3) Two from the set of selected topics (20%):

\[Note: The material to be covered in class will be thoroughly examined. If time does not permit coverage of all sections of the syllabus, selected readings or areas will be deleted to ensure adequate attention to those that are covered.\]
1. Overview and Fundamentals


b. General


ISSUES EXERCISE
2. Population Projection

a. Stationary Population Model


Chapter 1: “The Stationary Population Model,” pp. 3-24;

Chapter 2: “The Basic Set of Recurrence Equations,” pp. 27-40;

**PROJECTION EXERCISE**

b. Population Momentum


3. Demographics of Specific Nations

1. United States


2. Russia/Former Soviet Union


3. Japan


4. India


5. China


6. Indonesia


7. Latin America


8. Middle East and North Africa


f. A Further Look at the U.S.

1. Baby Booms


2. Changing Mortality/Morbidity, especially for Older Ages


3. Immigration and Migration


4. Future Implications


ISSUES EXERCISE #2
4. Introduction to the Selected Topics

A. Aging


B. Health


**C. Labor**


**D. Housing/Urban-Regional Development and Sprawl**


E. Immigration/Migration


United Nations, Population Division, “Replacement Migration: Is It a Solution to Declining and Ageing Populations?” (includes France, Germany, Italy Japan, S. Korea, Russia, UK, US, Europe and EU)

F. Population and Politics


Politics and Voting in the 2012 Election and Afterwards


G. Environment

