Course Description

This is a required course for the Certificate Program of the Global Health and Population Studies, covering the basic knowledge of both demographic theories and methods. Demographic theories explain the causes and consequences of the demographic processes and population structures. Major demographic processes include birth (fertility), death (mortality), union formation (nuptiality), and migration. Population structure mainly refers to age and sex compositions, and has important social and economic implications for the society. The demographic processes and structures are mutually causal.

For the analysis of population processes and structures, demographers have developed various quantitative techniques that are unique to the field. Several interesting measures are used for the analysis of mortality, fertility, nuptiality, and migration. The methods of stable and stationary population models as well as population projections are used for the analysis of population structures. Although these methods were developed for population studies, they also provide useful tools for a wide range of social science research.

Required Text for Demographic Techniques:

Reference Readings for Demographic Techniques:

Note: This course does not require any particular computer skills, but spreadsheet will be useful for calculation. There are many computer programs dealing with various demographic techniques, but we do not use them in this course.

Readings for Theories (Substantive Issues) are listed in the course schedule below. Most (if not all) readings of the pdf format will be uploaded in Laulima.

Reference Readings for Demographic Issues:
Weeks, J. (recent year) Population: An Introduction to Concepts and Issues. Wadsworth

Course Requirement

Attendance: There will be penalty for each absence.
Class Participation: Active participation is expected, and the followings are required: (1) Presentation of the week: Students take turns to lead class discussions based on the reading materials assigned; Each student will do twice during the semester (2) A brief introduction of a proposal for individual course projects at the 7th week, when a written proposal is due, and (3) Presentation of the final course paper in the final week of the semester. Presentations will comprise 15 % of the final grade.

Course Paper: Students conduct individual research. The research may be based only on literature or on empirical data analysis using either quantitative or qualitative methods. Data may be from a large-scale survey or other secondary sources, but collecting data for this course is strongly discouraged mainly because of time limitation. Topics can be any issues related to population processes or structures, and they may be specific to a country or a region or more general, historical or contemporary. The paper should be at least 15-page long double-spaced, not including tables or figures. The course paper comprises 45 % of the course grade.

Exam: There will be one (mid-term) exam in the 13th week, focusing on theories and substantive issues. The exam will comprise 20% of the final grade.

Problem Sets: There will be 2 take-home problem sets related to demographic techniques. All assignments combined, homework will comprise 20 % of the course grade. Both the deadline and correctness of the answers matters.

** It is essential to read the assigned course materials before each class!

Course Schedule

<table>
<thead>
<tr>
<th>Week</th>
<th>Date</th>
<th>Introduction: Major questions addressed in the course</th>
<th>Textbook Chapter</th>
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<tbody>
<tr>
<td>1.</td>
<td>Jan 11</td>
<td>Some Demographic Fundamentals</td>
<td>CH 1 (Hinde)</td>
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World population growth: History and prospects


<table>
<thead>
<tr>
<th>Week</th>
<th>Date</th>
<th>Population Theories: Early Theories (Malthus); Demographic Transition Theory; Second Demographic Transition Perspective</th>
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3 Jan 25  Mortality and Morbidity: Measures and AnalysisCH 2: PG
--Lexis chart
--Life Table               CH 4; PG 2; BAA 7-9
--Comparing Mortality-Standardization/Decomposition   CH 3

**Problem set #1**

4 Feb 1  Mortality Decline
--Health Expectancy


5 Feb 8  Epidemiological Transition and Population Health


6 Feb 15 Current Issues in Global Health and Population

Additional Readings on Current Health Issues in Developing Countries:


Additional Readings on Current Health Issues in Developed Countries:


7 Feb 22 Marriage and Cohabitation: Measures and Trends  CH 7
-Models of Family and Household Processes  BAA 15


**Research Proposal due: Class presentation and feedback**

8 Feb 29 Families and Households: Implications for the Population


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Problem set #2

12 April 4   Socioeconomic Implications of Population Aging

UN World Population Aging, Recent Data


13 April 11 Population Distribution, Urbanization, and Urban Problems

--Index of dissimilarity; Gini Coefficient


In-class Exam

14 Apr 18 Analysis of Migration

Internal Migration
International Migration; Immigration

United Nations, Department of Economic and Social Affairs, Population Division. *World Urbanization Prospect*


United Nations, Department of Economic and Social Affairs, Population Division. *International Migration Report.*

Ogawa, Naohiro. et. al  2011. Asia-Pacific Migration Journal, special issue on International Migration in East Asia edited by Yean-Ju Lee

15 Apr 25 Population and Environment; Population Policies


16 May 2 Course Paper Presentations

**May 10 (Thursday Noon)** Written **Course Paper due** through email