

PART OF THIS SYLLABUS MAY CHANGE

SOC 650/ PPST 650 (Spring 2012)
Introduction to Human Population
W 3:00-5:30

Instructor: Yean-Ju Lee (yjlee@hawaii.edu)
Saunders 216 (6-7116)
Office Hours: W 10:00-11:30
Or by appointment

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:

Hinde, Andrew. 1998. Demographic Methods. New York: Oxford University Press. (Hinde)

Reference Readings for Demographic Techniques:

- (1) Swanson, David, Shryock, Henry S., and Jacob S. Siegel. 2004. Methods and Materials of Demography. Elsevier Academic Press. (SS)
- (2) Bogue, Donald J., Eduardo E. Arriaga, and Douglas L. Anderton. eds. 1993. Readings in Population Research Methodology Vol 1-7. United Nations Population Fund and Social Development Center. (BAA)
- (3) Palmore, James A. and Robert W. Gardner. 1994. Measuring Mortality, Fertility, and Natural Increase: A Self-Teaching Guide to Elementary Measures. Honolulu: East-West Center. (PG)

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

<u>Week</u>	<u>Textbook Chapter</u>
1. Jan 11 Introduction: Major questions addressed in the course Some Demographic Fundamentals World population growth: History and prospects Hirschman, Charles. 2005. Population and Society: Historical Trends and Future Prospects. Pp. 381–402 in Calhoun et al. (eds), <i>The Sage Handbook of Sociology</i> . London: Sage Publications.	CH 1 (Hinde)
2 Jan 18 Population Theories: Early Theories (Malthus); Demographic Transition Theory; Second Demographic Transition Perspective Malthus, T. R. 1798. <i>An Essay on the Principle of Population</i> . Oxford: Oxford University Press, the World’s Classics (paperback), 1993. Read the introduction by Geoffrey Gilbert and Chs. 1–2 of Malthus’s essay. Notestein, F. 1945. Population—the long view. In T. W. Schultz (ed.), <i>Food for the World</i> . Chicago: University of Chicago Press. pp. 36–57. Davis, K. 1963. The theory of change and response in modern demographic history. <i>Population Index</i> 29: 345–366. Caldwell, J. 1978. A theory of fertility: from high plateau to destabilization. <i>Population and Development Review</i> 4: 553–578.	

Lesthaeghe, R. J. 1995. "The Second Demographic Transition" pp17-62 edited by K. Mason and AM Jensen, *Gender and Family Change in Industrialized Countries*, Clarendon Press

- 3 Jan 25 Mortality and Morbidity: Measures and Analysis CH 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

Oeppen, J., and J. W. Vaupel. 2002. "Broken Limits to Life Expectancy." *Science* 296: 1029–1031.

Vaupel, J. W. 2009. "Lively Questions for Demographers about Death at Older Ages." *Population and Development Review* 35: 347-356

Carnes, Bruce A. and Olshansky, S. Jay 2007 "A Realist View of Aging, Mortality, and Future Longevity." *Population and Development Review* 33(2): 367-381

Luy, Marc 2003 "Causes of Male Excess Mortality: Insights from Cloistered Populations." *Population and Development Review* 29(4): 647-676

Molla, Michael T., Madans, Jennifer H., and Wagener, Diane K. 2004. "Differentials in Adult Mortality and Activity Limitation by Years of Education in the United States at the End of the 1990s." *Population and Development Review* 30(4): 625-646

Anson, Jon 2010. "Beyond Material Explanations: Family Solidarity and Mortality, a Small Area-level Analysis." *Population and Development Review* 36(1): 27-45

- 5 Feb 8 Epidemiological Transition and Population Health

Horiuchi, S. 1999. Epidemiological Transitions in Developed Countries: Past, Present and Future. Pp. 54-71 in J. Chamie and R.L. Cliquet (eds.), *Health and Mortality: Issues of Global Concern*. New York: United Nations.

Soares, Rodrigo R. 2007 "On the Determinants of Mortality Reductions in the Developing World." *Population and Development Review* 33(2) 247-287

Kuhn, Randall 2010. "Routes to Low Mortality in Poor Countries Revisited." *Population and Development Review* 36(4): 655-692

Klasen, Stephan and Wink, Claudia 2002 "A Turning Point in Gender Bias in Mortality? An Update on the Number of Missing Women." *Population and Development Review* 28(2):285-312

6 Feb 15 Current Issues in Global Health and Population

Additional Readings on Current Health Issues in Developing Countries:

Quinn, et al. 1986. "AIDS in Africa: An Epidemiological Paradigm." *Science* 234:955-963

Srinivasan, Sharada 2009 Sex-Selective Abortion in India: The Impact on Child Mortality, by Mary Elizabeth Shepherd, *Development and Change* 40(3):601-602

Additional Readings on Current Health Issues in Developed Countries:

Mehta, Neil K. and Chang, Virginia W. 2011 "Secular Declines in the Association between Obesity and Mortality in the United States" *Population and Development Review* 37(3): 435-451

Preston, Samuel H. and Elo, Irma T. 2006 "Black Mortality at Very Old Ages in Official US Life Tables: A Skeptical Appraisal." *Population and Development Review* 32(3): 557-566

Ho, Jessica Y. and Preston, Samuel H. 2010 "US Mortality in an International Context: Age Variations." *Population and Development Review* 36(4): 749-773

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

Goldstein, Joshua R. and Catherine T. Kenney. 2001. "Marriage Delayed or Marriage Forgone? New Cohort Forecasts of First Marriage for U.S. Women." *American Sociological Review* 66:506-519.

Jones, Gavin W. 2007. "Delayed Marriage and Very Low Fertility in Pacific Asia." *Population and Development Review* 33: 453-78

Watkins, Susan C., Jane A. Menken, and John Bongaarts. 1987. "Demographic Foundations of Family Change." *American Sociological Review* 52:346-358.

Research Proposal due: Class presentation and feedback

8 Feb 29 Families and Households: Implications for the Population

Lesthaeghe, R. J., and L. Neidert. 2006. The "Second Demographic Transition" in the United States: Exception or Textbook Example? *Population and Development Review* 32: 669-698.

Heuveline, P. and J.M. Timberlake 2004. "The Role of Cohabitation in Family Formation: The US in Comparative Perspective." *Journal of Marriage and Family* 66: 1214-30

Teachman, Jay D., Lucky M. Tedrow, and Kyle D. Crowder. 2000. "The Changing Demography of America's Families." *Journal of Marriage and Family* 62:1234-46.

McLanahan, S. S. 2004. Diverging destinies: how children are faring under the second demographic transition. *Demography* 41: 607–627.

Waite, L. J. 1995. Does marriage matter? *Demography* 32: 483–507.

- 9 Mar 7 Fertility: Measures and Frameworks of Analysis CH 8, 9, 10
-TFR
-Parity Progression
-Proximate Determinants

Knodel, J. 1983. Natural fertility: age patterns, levels, and trends. In R. Bulatao and R. D. Lee (eds.), *Determinants of Fertility in Developing Countries*. New York: Academic Press. Vol. 1, pp. 61–102.

Bongaarts, J. 1982. The fertility inhibiting effects of the intermediate variables. *Studies in Family Planning* 13: 179–189.

- 10 Mar 14 Sociological and Economic Theories of Fertility Decision
-Theories of Fertility Transition
-Socioeconomic versus Cultural Explanation
-Very Low Fertility

Easterlin, R. A. 1975. An economic framework for fertility analysis. *Studies in Family Planning* 6: 54–63.

Kohler, Hans-Peter, Francesco C. Billari, and Jose A. Ortega. 2002. “The Emergence of Lowest Low Fertility in Europe during the 1990s.” *Population and Development Review* 28:641-804.

Preston, Samuel H. and Caroline Sten Hartnett. 2008. “The Future of American Fertility.” NBER working paper, No. 14498.

Gray, Jo Anna, Jean Stockard, and Joe Stone. 2006. “The Rising Share of Nonmarital Births: Fertility Choice or Marriage Behavior?” *Demography* 43(2):241-253.

Bongaarts, John. 2008. “Fertility Transitions in Developing Countries: Progress or Stagnation?” *Studies in Family Planning* 39(2):105-110.

Bryant, John. 2007. "Theories of Fertility Decline and the Evidence from Development Indicators." *Population and Development Review* 33:101-127.

- 11 March 21 Analysis of Population Structure by Age and Sex
-Stationary and Stable Population Models CH 13, 14; BAA 19
-Population Growth CH 12; BAA 19
-Population Projection CH 15,16,17; BAA 17

Problem set #2

12 April 4 Socioeconomic Implications of Population Aging

UN World Population Aging, Recent Data

Bloom, D. E., D.Canning, and D. T. Jamison. 2004. Health, wealth, and welfare. *Finance & Development*. March issue, pp. 10–15.

Lee, R. 2003. Demographic change, welfare, and intergenerational transfers: a global overview. *Genus* 59(3–4): 43–70.

Lee, R., and A. Mason. 2006. Two demographic dividends. *Finance & Development*. September issue, pp. 16-17.

Mason, A. 2005. Demographic transition and demographic dividends in developed and developing countries. Paper presented at the United Nations Expert Group Meeting on Social and Economic Implications of Changing Population Age Structures, Mexico City, 31 August – 2 September 2005.

Knodel, J and M.B. Osftedal 2003. “Gender and Aging in the Developing World: Where Are the Men?” *Population and Development Review* 29(4): 677-98.

13 April 11 Population Distribution, Urbanization, and Urban Problems
--Index of dissimilarity; Gini Coefficient SS 5-6

Ravallion, Martin, Chen, Shaohua, and Sangraula, Prem 2007 "New Evidence on the Urbanization of Global Poverty." *Population and Development Review* 33(4): 667-701

In-class Exam

14 Apr 18 Analysis of Migration CH 15
Internal Migration
International Migration; Immigration

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

Liang, Zai and Ma, Zhongdong 2004 "China's Floating Population: New Evidence from the 2000 Census." *Population and Development Review* 30(3) 467-488

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

Massey, D., et al. 1994. An Evaluation of International Migration Theory: The North American Case. *Population and Development Review* 20: 699–751.

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

Bongaarts, J. 1994. Can the growing human population feed itself? *Scientific American* 270(3) 36–42.

The Arab Human Development Report on Population Pressures and Desertification, PDR 2009 pp653-657

Finkle, Jason and C. Alison McIntosh. 2002. United Nations Population Conferences: Shaping the Policy Agenda for the Twenty First Century. *Studies in Family Planning* 33: 11–23.

Demeny, P. 2003. Population policy dilemmas in Europe at the dawn of the twenty-first century. *Population and Development Review* 29: 1–28.

Neyer, G. 2003. Family policies and low fertility in Western Europe. *Journal of Population and Social Security (Population)*. Supplement to Volume 1. pp. 46–93.

16 May 2 Course Paper Presentations

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