

## **Soc 452H. Theories, Models and Methods in Demography**

Fall 2013 (Sept 10th - Dec 3rd)

Instructor: Brent Berry (brent.berry@utoronto.ca), 725 Spadina Ave (office is room 366)

Seminar: Tuesdays 12-2pm, Room 177, University College

Office Hours: Tuesday afternoons 2:00-3:30, or by appointment

### **Summary**

This is a small project oriented undergraduate course that will examine the key theories, models, methods and data sources in demography. The maximum enrollment is 25 students. Grades are based on both individual and group work. Individually, students will complete one exercise on a topic such as constructing a life table, calculating mortality, fertility, and migration rates, and applying concepts of stable population theory in making projections. In groups of 3-4 students, students will complete a research report that poses a demographic question, identifies related theories and hypotheses, and analyzes data using appropriate methods. The instructor will advise each group along the way. As we move further into the semester, part of our discussion in class will focus on your research projects, seeking to relate your research interests to the course material. The instructor will discuss project options early in the semester.

Having some background in demography is recommended but not essential for success in this course. A prerequisite for taking this course is having completed a 300+ level sociology course. Students without this prerequisite will be automatically removed without notice.

### **Evaluation**

There are three components of final grades -- contributing to in-class discussion (25%), individual exercise (25%) due Oct 22nd, and group project (50%) due Monday, Nov 18th.

### **Readings and Class Discussion**

With the exception of the Levi-Bacci book (available for purchase as a hardcopy or e-book on Amazon.ca), the readings can be downloaded from the course website on portal (portal.utoronto.ca). The readings and discussion will introduce you to demographic theories, models, data, and methods. Some of the readings are general overviews of topic areas, while others provide case studies of what questions can be answered with demographic data and methods. Students should be prepared to discuss the readings in class. The instructor will supplement the discussion of the readings with illustrations of demographic measures and methods.

### **Attendance**

Class attendance is important. Contributing to in-class discussion is worth 25% of your final grade.

### **Deadlines**

Assignments are due on the due date posted in the syllabus. Late work will not be accepted without proper documentation from a student's physician or college registrar

### **Plagiarism**

Cheating and misrepresentation will not be tolerated. Students who commit an academic offence face serious penalties. Avoid plagiarism by citing properly: practices acceptable in high school may prove unacceptable in university. Know where you stand by reading the "Code of Behaviour on Academic Matters" in the Calendar of the Faculty of Arts and Science.

### **Accessibility Needs**

If you require accommodations or have any accessibility concerns, please visit <http://studentlife.utoronto.ca/accessibility> as soon as possible.

### **Schedule**

1. Sept 10 -- Introduction: Population and Demography
2. Sept 17 -- Demography: Basic Measurements, Rates, & History  
Readings: McFalls (2007)  
Livi-Bacci (2006) – chapter one
3. Sept 24 -- Population History and Human Ecology  
Readings: Livi-Bacci (2006) – remaining chapters
4. Oct 1 -- Big Theories: Demographic Transition (I and II)  
Readings: Caldwell (2004)  
Lesthaeghe & Neels (2002)  
Kirk (1996)
5. Oct 8 -- Demography: Fertility Methods & Literature  
Readings: Morgan & Taylor (2006)  
Belanger & Ouellet (2001)
6. Oct 15 -- Demography: Mortality Methods & Literature  
Readings: Bongaarts (2006)  
Torrey & Haub (2004)
7. Oct 22 -- Demography: Migration & Mobility Methods & Literature  
*individual exercise due today*  
Readings: Massey (2003)  
Feijten, P., Hooimeijer, P., & Mulder, C. H. (2008),

Smits, Mulder & Hooimeijer (2003)

8. Oct 29 -- Demography: Household & Family Demography

return Exercises

Readings: Burch & Matthews (1987),

Le Bourdais & LaPierre-Adamcyk (2004)

Kohler, Berhman, Skyttthe (2005)

9. Nov 5 -- Demography: Population & Life Course (note: 'drop date' is Nov 4th)

Readings: Goldscheider (1997)

Rotermann (2008)

Settersten & Mayer (1997)

--- Nov 12th fall break ----

**Note -- group projects are due Monday, November 18th**

10. Nov 19 -- Demography: Population & Development

Readings: Mason & Lee (2004)

Crafts (1997)

11. Nov 26 -- Demography: Population & Environment

Readings: York, Rosa & Dietz (2003)

VanWey, D'Antona, & Brondizio (2007)

12. Dec 3 -- Demographic Theory Revisited

Readings: Bollen, Glanville, Stecklov (2001)

Bryant (2007)

**Syllabus Sources (plus optional supplementary material)**

Bélanger, Alain & Geneviève Ouellet (2001) "A Comparative Study of Recent Trends in Canadian and American Fertility, 1980-1999." Report on the Demographic Situation in Canada. Statistics Canada. Pp. 107-136.

Bhrolchain & Dyson (2007) "On Causation in Demography: Issues and Illustrations." PDR 33(1): 1-36.

Bollen, Glanville, and Stecklov (2001) "Socioeconomic Status and Class in Studies of Fertility and Health in Developing Countries" ARS 27: 153-185.

Bongaarts (2006) "How Long Will We Live?" PDR 32(4): 605-628.

- Brewster & Rindfuss (2000) "Fertility and Women's Employment in Industrialized Nations" *ARS* 26: 271-296.
- Burch, Thomas & Beverly Matthews (1987) "Household Formation in Developed Societies" *PDR* 13(3): 495-511.
- Bryant (2007) "Theories of Fertility Decline and the Evidence from Development Indicators" *PDR* 33(1): 101-127.
- Caldwell (2004) "Demographic Theory: A Long View." *PDR* 30(2): 297-316.
- Caldwell (2005) "On Net Intergenerational Wealth Flows: An Update." *PDR* 31(4): 721-740.
- Crafts, Nicholas (1997) "The Human Development Index and Changes in Standards of Living: Some Historical Comparisons." *European Review of Economic History* 1(3): 299-322.
- Feijten, P., Hooimeijer, P., & Mulder, C. H. (2008). Residential experience and residential environment choice over the life-course. *Urban Studies*, 45(1), 141-162
- Edwards & Tuljapurkar (2005) "Inequality in Life Spans and a New Perspective on Mortality Convergence Across Industrialized Countries." *PDR* 31(4): 645-674.
- Goldscheider (1997) "Recent Changes in US Young Adult Living Arrangements in Comparative Perspective." *Journal of Family Issues* 18(6): 708-724.
- Hagewen & Morgan (2005) "Intended and Ideal Family Size in the United States, 1970-2002." *PDR* 31(3): 507-527.
- Heuveline, Timberlake, Furstenberg (2003) "Shifting Childrearing to Single Mothers: Results from 17 Western Countries." *PDR* 29(1): 47-71.
- Kohler, Berhman, Skyttthe (2005) "Partner + Children = Happiness? The Effects of Partnerships and Fertility on Well-Being." *PDR* 31(3): 407-445.
- Kirk, Dudley (2006) "Demographic Transition Theory" *Population Studies* 50(3): 361-387.
- Le Bourdais, Céline & Évelyne LaPierre-Adamcyk (2004) "Changes in Conjugal Life in Canada: Is Cohabitation Progressively Replacing Marriage?" *Journal of Marriage and Family* 66: 929-942.
- Lee (2003) "The Demographic Transition: Three Centuries of Fundamental Change." *The Journal of Economic Perspectives* 17(4): 167-190.
- Lesthaeghe & Neels (2002) "From the First to the Second Demographic Transition: An Interpretation of the Spatial Continuity of Demographic Innovation in France, Belgium and Switzerland." *European Journal of Population* 18(4): 325-360.
- Lesthaeghe & Neidert (2006) "The Second Demographic Transition in the United States: Exception or Textbook Example?" *PDR* 32(4): 669-698.
- Livi-Bacci Massimo,(2006). *A concise history of world population*, 4th ed., Wiley Blackwell, 296 p.

- Manton, Gu & Lamb (2006) "Long-Term Trends in Life Expectancy and Active Life Expectancy in the United States." PDR 32(1): 81-105.
- Mason, Andrew & Sang-Hyop Lee (2004) "The Demographic Dividend and Poverty Reduction." Seminar on the Relevance of Population Aspects for the Achievement of the Millennium Development Goals. 17-19 Nov. 2004.
- Massey (2003) "Patterns and Processes of International Migration in the 21<sup>st</sup> Century." Paper prepared for the Conference on African Migration in Comparative Perspective, Johannesburg, South Africa, 4-7 June, 2003.
- McDonald (2000) "Gender Equity in Theories of Fertility Transition." PDR 26(3): 427-439.
- McFalls, Joseph (2007) "Population: A Lively Introduction, 5th Edition." Population Bulletin 62(1): 1-40. (Washington, DC: Population Reference Bureau).
- Mincer (1978) "Family Migration Decisions" Journal of Political Economy 86(5): 749-773.
- Morgan & Taylor (2006) "Low Fertility at the Turn of the Twenty-First Century" ARS 32: 375-399.
- Population Reference Bureau (PRB) (2010) "2010 World Population Data Sheet."
- Riley (2005) "Estimates of Regional and Global Life Expectancy, 1800-2001." PDR 31(3): 537-543.
- Rogers, Hummer, Krueger, Pampel (2005) "Mortality Attributable to Cigarette Smoking in the United States." PDR 31(2): 259-292.
- Rosenfeld (2006) "Young Adulthood as a Factor in Social Change in the United States." PDR 32(1): 27-51
- Rotermann, Michelle. 2008. Trends in Teen Sexual Behaviour and Condom Use. Statistics Canada Health Reports 19(3): 1-6.
- Salomon & Murray (2002) "The Epidemiological Transition Revisited: Compositional Models for Causes of Death by Age and Sex." PDR 28(2): 205-228.
- Settersten, Richard & Karl Mayer (1997) "The Measurement of Age, Age Structuring, and the Life Course." Annual Review of Sociology 23: 233-61.
- Shanahan, Michael (2000) "Pathways to Adulthood in Changing Societies: Variability and Mechanisms in Life Course Perspective." Annual Review of Sociology 26: 667-92.
- SIECCAN (2004) "Adolescent Sexual and Reproductive Health in Canada: A Report Card in 2004." The Canadian Journal of Human Sexuality 13(2): 67-81. WEB BASED
- Singh, S, D Wulf, R Samara, YP Cuca (2000) "Gender Differences in the Timing of First Intercourse: Data from 14 Countries." International Family Planning Perspectives 26(1): 21-28.
- Smits, Jeroen, Clara Mulder, and Pieter Hooimeijer (2003) "Changing Gender Roles, Shifting Power Balance and Long-distance Migration of Couples." Urban Studies 40(3): 603-613.

Torrey & Haub (2004) "A Comparison of US and Canadian Mortality in 1998." PDR 30(3): 519-530.

Van de Walle & de Luc (2006) "Birth Prevention in the American and French Fertility Transitions: Contrasts in Knowledge and Practice." PDR 32(3): 529-556.

VanWey, Leah, Alvaro D'Antona, & Eduardo Brondizio (2007) "Household Demographic Change and Land Use/Land Cover Change in the Brazilian Amazon." Population and Environment 28: 163-185.

York, Richard, Eugene Rosa, and Thomas Dietz (2003) "Footprints on the Earth: The Environmental Consequences of Modernity" American Sociological Review 68(2): 279-300.

Zimmermann & Easterlin (2006) "Happily Ever After? Cohabitation, Marriage, Divorce and Happiness in Germany." PDR 32(3): 511-528.

Note: ARS = Annual Review of Sociology PDR = Population and Development Review

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## **Resources**

### A Few Key Statistical Sources

Ontario Statistics ([http://www.ontario.ca/en/communities/economy/ONT03\\_020921.html](http://www.ontario.ca/en/communities/economy/ONT03_020921.html))

Statistics Canada ([www.statscan.ca](http://www.statscan.ca))

The US Census Bureau ([www.census.gov](http://www.census.gov))

The IPUMS Project ([www.ipums.org](http://www.ipums.org))

Population Reference Bureau ([www.prb.org](http://www.prb.org))

Canadian Century Research Infrastructure Project (<http://ccri.uvic.ca/>)

### Key Journals for Population Research:

Population Development Review, Demography, Population Studies, Journal of Marriage and Family, Journal of Family Issues, Population Research and Policy Review, International Migration Review, Annual Review of Sociology, American Sociological Review, Social Forces

### Other Resources

Canadian Social Trends series ([www.statcan.ca/bsolc/english/bsolc?catno=11-008-X&CHROPG=1](http://www.statcan.ca/bsolc/english/bsolc?catno=11-008-X&CHROPG=1)) Canadian Family Transformation and Social Cohesion Project ([www.ssc.uwo.ca/sociology/ftsc/index.htm](http://www.ssc.uwo.ca/sociology/ftsc/index.htm))

Second Demographic Transition Project <http://sdt.psc.isr.umich.edu/>