

Sociology 513
Winter 2003
MW: 1:30-2:50
213 Parrington

Charles Hirschman
102D Savery Hall: 543-5035
Email: charles@u.washington.edu
Off Hrs: 3-5 WF

DEMOGRAPHY AND ECOLOGY

Course Objectives:

This course is the graduate level introduction to the fields of social demography and human ecology with a survey of major issues, theories, and research exemplars. For sociology graduate students who plan to take the certification examination in demography and ecology, you should also consider three additional courses: Soc 430 (Urbanism and Urbanization), Soc 431 (Fertility and Mortality), and Soc 433 (Research Methods in Demography). There are also important population-related courses offered in Geography, Anthropology and Economics.

The aim of this course is to help you acquire a basic "literacy" of the leading ideas and research directions in the field of population studies. Although this course is intensive, we will cover only a small fraction of important topics in the field. Our primary focus is on the traditional core subjects of demographic transition theory and research on fertility, mortality, migration, and urbanization. Except for a brief overview of data collection methods (censuses and vital statistics), there is little attention on demographic methods in this course.

Our class meetings will be a mix of lectures and discussion. It is always a good idea to read the assignments for each day before coming to class. This will help you to understand my presentations and also to participate in discussions. In class, I will try to explain the logic and details of the required readings and will occasionally review the content from suggested readings. We will also spend a fair amount of class time studying and interpreting tables. The ability to read and discuss tables from published research will be one your most important acquired skills for your research career. Your comments and questions are always welcome, both in class and after class.

Course Readings:

There is no satisfactory textbook for a graduate level introduction to the field of social demography. You might wish to consult at the some of the better undergraduate population textbooks; my favorites are Judah Matras (1977). *Introduction to Population: A Sociological Approach* and Massimo Livi-Bacci (1997) *A Concise History of World Population* (2nd edition), Classic reference works, well worth reading are: Philip M. Hauser and Otis Dudley Duncan. 1959. *The Study of Population: An Inventory and Appraisal*. Chicago: University of Chicago Press, and United Nations. 1973. *The Determinants and Consequences of Population Trends*. New York: United Nations. If you wish to know more about demographic measurement, a good introduction is James A. Palmore and Robert W. Gardner. 1994. *Measuring Mortality, Fertility, and Natural Increase: A Self Teaching Guide to Elementary Measures*. Fifth Edition. Honolulu: East West. The new standard text on demographic methods is Samuel H. Preston, Patrick Heuveline, and Michel Guillot. 2001. *Demography: Measuring and Modeling Population*

Processes. Oxford, UK and Malden MA: Blackwell Publishers.

The required readings for the course consist of significant articles and book chapters from the research literature. Many readings are older “classics,” but there are also a fair number of recent studies. Most of the readings were originally published in the three major journals in the field: *Demography*, *Population Studies*, and *Population and Development Review*. Regular reading of these three journals is essential for those who wish to advance in the field. The supplementary readings are included here for your future reference. You are not expected to read them for this course, but I may draw from the supplementary readings in my lectures.

The required course readings are available online through the University of Washington Library electronic reserves. You can locate them by going to the Library Home Page <http://www.lib.washington.edu/> and clicking on course reserves. From this page, you can search by instructor (Hirschman) or course (soc 513). Both will take you to a listing of course readings arranged in alphabetical order by author’s last name. You will have to be careful because there are often several readings by the same author for different weeks of the term. You can download the articles and print them, if you wish. There is also a set of the required course readings “on reserve” in the CSDE library (which can be borrowed for an hour to photocopy).

Many of required course readings and supplementary readings are also available from JSTOR (<http://www.jstor.org>).

Exams and Required Assignments:

There will be two take-home examinations. The midterm exam will be distributed on February 5 and is due on February 10. The final exam is cumulative over the term and will be distributed on the last day of class, March 12 and will be due at the scheduled time for the class, which is 2:30 pm on March 17.

Students must also write two essays: either book reviews or a review essay on a specific topic. Each essay should be about 5 (double-spaced) pages and should critically review a book or an important research question. A list of suggested books and ideas for review essays will be distributed in class. The first essay is due in class on February 26 and the second on March 12. The final course grade will be a weighted average of the mid-term (20%), final exam (50%), and the two reviews (15% each).

Class Topics and Reading Assignments

JANUARY 6 The World Population Situation

Read:

Joel E. Cohen. 1995. How Many People Can the Earth Support? NY: WW Norton. Read only chapter 5 on "Human Population History in Numbers and Graphs," pp. 76-96.

January 8 Demography as a Field of Study

Read:

Norman B. Ryder. 1964. Notes on the concept of a population. *American Journal of Sociology* 69:447-463.

Samuel H. Preston. 1993. The contours of demography: estimates and projections. *Demography* 30: 593-606.

Samuel Preston. 1984. Children and the elderly: divergent paths for America's dependents. *Demography* 21:435-457.

Suggested Readings and References on the Fundamentals of Demographic Science

Ansley J. Coale. 1974. The history of human population. Pp. 15-25 in *The Human Population* (A Scientific American Book). San Francisco: W.W. Freeman.

Ansley Coale. 1964. How a population ages or grows younger. In Ronald Freedman, ed. *Population: the Vital Revolution*. Garden City, New York: Anchor Books, pp. 47-58.

David L. Kertzer and Tom Fricke, eds. 1997. *Anthropological Demography*. Chicago: University of Chicago Press.

Nathan Keyfitz. 1975. How do we know the facts of demography? *Population and Development Review* 1: 267-288.

Krishnan Namboodiri. 1988. Ecological demography: its place in sociology. *American Sociological Review* 53(August): 619-633.

United Nations. 2001. *World Population Prospects, The 2000 Revision*. 2 vols. New York: The United Nations

James Palmore and Robert Gardner. 1983. *Measuring Mortality, Fertility, and Natural Increase: A Self Teaching Guide to Elementary Measures*. Honolulu: Population Institute: East West Center.

Charles Hirschman. 2003. Forthcoming. "Population and Society: Historical Trends and Future Prospects." In Craig Calhoun, Chris Rojek, and Bryan S. Turner (eds.) *International Handbook of Sociology*. Sage.

January 13 Sources of Demographic Data: Censuses, Vital Statistics, and Surveys

Read:

Kenneth Prewitt. 2000. The US decennial census: political questions, scientific answers. *Population and Development Review* 26: 1-16.

William Lavelly. 2001. First impressions from the 2000 census of China. *Population and Development Review* 27: 755-769.

J. Ties Borma, Elizabeth Holt, and Robert Black. 2001. Measurement of biomarkers in surveys in developing countries: opportunities and problems. *Population and Development Review* 27: 303-314.

JANUARY 15 Problems of Coverage, Errors, and Uncertainty in Demographic Data

Read:

Harvey Choldin. 1994. Looking for the Last Percent: The Controversy over Census Undercounts. New Brunswick, New Jersey, Chapter 4, pp. 42-65.

Mary Waters. 2002. The social construction of race and ethnicity: some examples from demography. In Nancy Denton and Stewart Tolnay, eds. *American Diversity: A Demographic Challenge for the Twenty-First Century*, pp. 25-49. Albany: State University of New York Press.

U. S. Census Bureau. 2000. Current Population Survey Design and Methodology Technical Paper 63 (Issued March 2000) Technical Paper 63. Washington, D.C.: U. S. Census Bureau. Chapter 16, pp. 16-1 to 16-11.

Suggested Reading and References on Demographic Data and Measurement

Chris Scott and V.C. Chidambaram. 1985. World fertility survey: origins and achievements. Pp. 7-26 in John Cleland and John Hobcraft (eds.) *Reproductive Change in Developing Countries: Insights from the World Fertility Survey*. Oxford: Oxford University Press.

Margo Anderson. 1988. *The American Census: A Social History*. New Haven. Yale University Press, chapter 6, pp. 131-158.

William Seltzer and Margo Anderson (2001) "The Dark Side of Numbers: The Role of Population Data Systems in Human Rights Abuses", *Social Research* 68(2):481-513.

Bureau of the Census. 1992. 1990 Census of Population and Housing (1990 CPH-R-1A): Guide, Part A. Text. Washington, D.C.: U.S. Government Printing Office. Preface and Chapters 1-3: iii-35.

Henry S. Shryock and Jacob S. Siegel. 1976. *The Methods and Materials of Demography*. Condensed edition by Edward G. Stockwell. New York. Academic Press. Chapters 2 & 3.

Reynolds Farley. 1991. The new census question on ancestry: what did it tell us? *Demography* 28:411-429.

John Caldwell. 1986. Strengths and limitations of the survey approach for measuring and understanding fertility change. In John Cleland and John Hobcraft, eds. *Reproductive Change in Developing Countries*, esp. pp. 45-57.

John Cleland. 1996. Demographic data collection in the less developed countries. *Population Studies* 50: 433-450.

John Knodel and Napaporn Chayovan. 1991. Age and birth date reporting in Thailand. *Asia and Pacific Population Forum* 5:41-50 & 64-76.

Roberta Rehner Iversen, Frank F. Furstenberg, and Alisa A. Belzer. 1999. How much do we count? Interpretation and error making in the decennial census. *Demography* 36: 121-134.

- Edward Telles and Nelson Lim. 1998. Does it matter who answers the race question? Racial classification and income inequality in Brazil. *Demography* 35:465-474.
- Gillian Stevens. 1999. A century of U.S. Censuses and the language characteristics of immigrants. *Demography* 36: 387-397.
- John Knodel. 1997. A case for nonanthropological qualitative methods for demographers. *Population and Development Review* 23: 847-853.
- Charles Hirschman, Richard Alba, and Reynolds Farley. 2000. "The Meaning and Measurement of Race in the U.S. Census: Glimpses in the Future." *Demography* 37: 381-393

January 20 NO CLASS: MLK HOLIDAY

January 22 **Demographic Transition Theory: Classical and Contemporary Statements**

Read:

- Kingsley Davis. 1963. The theory of change and response in modern demographic history. *Population Index* 29(October): 345-366.
- Ansley Coale. 1973. The demographic transition. IUSSP Liege International Population Conference: 1973. Liege: IUSSP. Volume 1: 53-72.
- John C. Caldwell. 1976. Toward a restatement of modern demographic theory. *Population and Development Review* 2:321-366.
- Charles Hirschman. 1994. Why fertility changes. *Annual Review of Sociology*. 20: 203-233.

Suggested Reading on Demographic Theories

- John C. Caldwell. 1989. *Theories of Fertility Decline* (London: Academic Press, 1989).
- Ronald D. Lee. 1987. Population dynamics of humans and other animals. *Demography* 24:443-465.
- Richard Easterlin and Eileen Crimmins. 1985. The Fertility Revolution: A Supply-Demand Analysis. Chicago: University of Chicago Press. Chapter 1 & 2, pp. 3-31.
- Warren Robinson. 1997. The economic theory of fertility over three decades. *Population Studies*. 51:1997. 63-74
- Chris Wilson and Pauline Airey. 1999. How can a homeostatic perspective enhance demographic transition theory? *Population Studies* 53: 117-128.
- James Lee and Wang Feng. 1999. Malthusian models and Chinese realities: China's demographic system, 1700-2000. *Population and Development Review*: 25: 33-66.

January 27 **Introduction to Mortality and the Human Life Span**

Read:

- S. Jay Olshansky, Bruce Carnes, and Jacob Brody. 2002. A Biodemographic Interpretation of the life span. *Population and Development Review* 28: 501-513.

- John R. Wilmoth. 1998. The future of longevity: a demographer's perspective. *Science* 280: 395-397.
- Jim Oeppen and James W. Vaupel. 2002. Broken limits to life expectancy. *Science* 296: 1029-1031.
- Francis Madigan. 1957. Are sex mortality differentials biologically caused? *The Milbank Memorial Fund Quarterly* 35: 202-233.

January 29 Mortality Trends in Historical Perspective

Read:

- Thomas McKeown. 1976. *The Modern Rise of Population*. London: Academic Press. Chapters 3 & 5: pp. 44-72 & 91-109.
- Samuel H. Preston and Michael R. Haines. 1991. *Fatal Years: Child Mortality in Late Nineteenth-Century America*. Princeton: Princeton University Press. Selections from chapter 1, pp.3-36 and chapter 5, pp. 177-193.
- Samuel Preston. 1975. The changing relationship between mortality and the level of economic development. *Population Studies* 29:231-248.

February 3 Health and Mortality Patterns in Developed Countries.

Read:

- Elo, Irma and Samuel Preston. 1996. Educational differentials in mortality: United States, 1979-85. *Social Science and Medicine* 42:47-57.
- Avery M. Guest, Gunnar Almgren, and Jon M. Hussey. 1998. "The Ecology of Race and Socioeconomic Distress: Infant and Working Age Mortality in Chicago. *Demography* 35: 23-34.
- Fred Pampel. 2002. Cigarette Use and the Narrowing Sex Differential in Mortality. *Population and Development Review* 28: 77-104.

February 5 Health and Mortality Patterns in Developing Countries.

Read:

- Davis, Kingsley. 1956. "The Amazing Decline of Mortality in Underdeveloped Areas." *American Economic Review* 46: 305-318.
- John C. Caldwell. 1986. Routes to Low Mortality in Poor Countries. *Population and Development Review* 12:171-220.
- John C. Caldwell. 2000. "Rethinking the African AIDS Epidemic." *Population and Development Review* 26: 117-135.

Suggested Readings and References on Mortality:

- William F. McNeill. 1976. *Plagues and Peoples*. Garden City: Anchor Books.
- Susan Hanley. 1987. Urban sanitation in preindustrial Japan. *Journal of Interdisciplinary History* 18 (Summer):1-26.
- Thomas McKeown, R.G. Brown, and R.G. Record. 1972. An interpretation of the modern rise of population in Europe. *Population Studies*. 26:345-382
- P.E. Razzell 1974. An interpretation of the modern rise of population in Europe: a critique. *Population Studies* 28:5-17.
- Kenneth Manton, Eric Stallard, and Dennis Tolley. 1991. Limits to human life expectancy: evidence, prospects, and implications. *Population and Development Review* 17: 603-637
- Robert W. Fogel and Dora L. Costa. 1997. "A theory of techophysio evolution, with some implications for forecasting population, health care costs and pension costs. *Demography* 34: 49-66
- Bruce A. Carnes, S. Jay Olshansky, and Douglas Grahn. 1996. "Continuing the search for a law of mortality. *Population and Development Review* 22: 231-264.
- Robert A. Hummer, Richard G. Rogers, and Issac Iberstein. 1998. Sociodemographic differentials in adult mortality: a review of analytic approaches. *Population and Development Review* 24: 553-578.
- Omran, Abdel. 1971. The epidemiological transition: a theory of the epidemiology of population change. *Milbank Memorial Fund Quarterly* 69: 509-538.
- Joshua A. Saloomon and Christopher Murray. 2002. The epidemiologic transition revisited: compositional models for causes of death by age and sex. *Population and Development Review* 28:205-228.
- W. Henry Mosley and Peter Cowley. 1991. The challenge of world health. *Population Bulletin*. 46 (4, December): 1-39.
- John C. Caldwell. 1990 . Cultural and social factors influencing mortality levels in developing countries. *The Annals* 510 (July): 44-59.
- John C. Caldwell. 1997. The impact of the African AIDS epidemic. *Health Transition Review*, Supplement 2 to Volume 7, pp. 169-188.
- Kenneth Hill and Anne R. Pebley. 1989. Child mortality in the developing world. *Population and Development Review* 15: 657-687.
- John Bongaarts. 1996. Global Trends in AIDS mortality. *Population and Development Review* 22:21-45.
- Kevin M. White and Samuel Preston. 1996. How many Americans are alive because of twentieth century improvements in mortality. *Population and Development Review* 22: 415-429.
- Evelyn Kitagawa and Philip Hauser. 1973. *Differential Mortality in the United States: A Study of Socioeconomic Epidemiology*. Cambridge: Harvard University Press.
- Eileen Crimmins. 1981. The changing pattern of American mortality decline, 1940-77, and its implications for the future. *Population and Development Review* 7:229-254.
- Eileen Crimmins, Yasuhiko Saito, and Dominique Ingegneri. 1997. Trends in disability-free life expectancy in the United States, 1970-90. *Population and Development Review* 23: 555-572.

**MIDTERM EXAM DISTRIBUTED ON FEBRUARY 5 AND DUE ON FEBRUARY 10
WILL COVER COURSE MATERIALS UP AND INCLUDING FEBRUARY 5**

February 10 Sociobiological Models of Fertility

Read:

- Kingsley Davis and Judith Blake. 1956. Social structure and fertility: an analytic framework. *Economic Development and Cultural Change* 4:211-235.
- John Bongaarts. 1978. A framework for analyzing the proximate determinants of fertility. *Population and Development Review* 4:104-132.

February 12 Fertility Transitions: Past and Present

Read:

- John Knodel and Etienne van de Walle. 1979. Lessons from the past: policy implications of historical studies. *Population and Development Review* 5:217-245.
- John Cleland and Chris Wilson. 1987. Demand theories of the fertility transition: an iconoclastic view. *Population Studies* 41: 5-30.
- John Bongaarts and Susan Cotts Watkins. 1996. Social interactions and contemporary fertility transitions. *Population and Development Review* 22: 639-682.
- Karen Oppenheim Mason. 1997. Explaining fertility transitions. *Demography* 34: 443-454.

February 17 NO CLASS: PRESIDENTS DAY

February 19 The Future of Fertility in Industrial Societies

Read:

- Richard Easterlin. 1978. What will 1984 be like? Socioeconomic implications of recent twists in the age structure. *Demography* 15:397-432.
- Jacques Vallin. 2002. The end of the demographic transition: relief or concern? *Population and Development Review* 28:105-120.
- John Bongaarts. 2002. The end of the fertility transition in the developed world. *Population and Development Review* 28: 419-443.

Suggested Readings and References on Fertility

- Ansley Coale and Susan Watkins 1986 (eds.) *The Decline of Fertility in Europe*. Princeton: Princeton University Press.
- John Knodel. 1983. Natural Fertility: Age Patterns, Levels and Trends. Chapter 3 in R. Bulatao and R. Lee. *Determinants of Fertility in Developing Countries*. Vol. 1, pp. 61-70 only.
- Ronald Freedman. 1979. Theories of fertility decline: a reappraisal. *Social Forces* 58:1-17.

- Avery Guest. 1981. Social structure and U.S. interstate fertility differentials in 1900. *Demography* 18:465-486.
- Stewart E. Tolnay. 1987. The Decline of Black Marital Fertility in the Rural South, 1910 to 1940. *American Sociological Review*, 52:211-217.
- Karen Oppenheim Mason and Herbert L. Smith. 2000. Husband's versus wives' fertility goals and the use of contraception: The influence of gender context in five Asian countries. *Demography* 37: 299-311.
- Adrian Raftery, Steven Lewis, and Akbar Aghajanian. 1995. Demand or ideation? evidence from the Iranian marital fertility decline. *Demography* 32: 159-182.
- Charles Hirschman and Philip Guest. 1990. "Multilevel models of fertility determination in four southeast Asian societies." *Demography* 27: 469-396.
- John Cleland. 1994. Different pathways to demographic transition. In Francis Graham-Smith (ed.) *Population, the Complex Reality*, pp. 229-247.
- John Knodel, Napaporn Havanon, and Anthony Pramualratana. 1984. Fertility transition in Thailand: a qualitative analysis. *Population and Development Review*. 10: 297-328.
- Stewart E. Tolnay and Patricia J. Glynn. 1994. The Persistence of High Fertility in the American South on the Eve of the Baby Boom. *Demography*, 31:615-631.

February 24 Fertility Trends in Developing Countries

Read:

- Kingsley Davis. 1955. Institutional patterns favoring high fertility in underdeveloped areas. *Eugenics Quarterly* 2:33-39.
- William Lavelly, Janke Li, and JiangHong Li. 2001. Sex preference for children in Meifu Li community in Hainan, China. *Population Studies* 55: 319-329
- S. Philip Morgan et al. 2002. "Muslim and Non-Muslim differences in female autonomy and fertility: evidence from four Asian countries. *Population and Development Review* 28: 515-537.

February 26 The Impact of Family Planning and Public Policy on Fertility

Read:

- John Casterline and Steven Sinding. 2000. Unmet need for family planning and implications for population policy. *Population and Development Review* 26: 691-724.
- Amy Ong Tsui. 2001. Population policies, family planning programs, and fertility: the record. In Rodolfo Bulatao and John B. Casterline, eds., *Global Fertility Decline. A supplement to vol 27 of Population and Development Review*, pp. 184-204 New York: The Population Council.
- Peter Donaldson. 2002. The elimination of contraceptive acceptor targets and the evolution of population policy in India. *Population Studies* 56: 971-10.

Supplementary Reading on Fertility and Population Policy in Developing Countries:

- David Lindstrom and Betemariam Berhanu. 1999. The impact of war, famine, and economic decline on marital fertility in Ethiopia. *Demography* 36:247-261.
- Rodolfo A. Bulatao and Ronald D. Lee. 1983. *Determinants of Fertility in Developing Countries*. 2 vols. New York: Academic Press.
- Ronald Freedman and Ann K. Blanc. 1992. Fertility transition: an update. *International Family Planning Perspectives* 18:44-53 & 72.
- William Lavelly and Ronald Freedman. 1990. The origins of the Chinese fertility decline. *Demography* 27:357-367.
- John Bongaarts. 1991. The KAP-gap and the unmet need for contraception. *Population and Development Review* 17:293-31.
- Arland Thornton and Hui-Sheng Lin. 1994. *Social Change and the Family in Taiwan*. Chicago: University of Chicago Press. . Chapter 6, From arranged marriage to love match, pp. 148-177, and Chapter 11, The fertility transition, pp. 264-304.
- Napaporn Havanon, Anthony Bennett, and John Knodel. 1993. Sexual networking in provincial Thailand. *Studies in Family Planning* 24: 1-17.
- John Cleland. 1985. Marital fertility decline in developing countries: theories and evidence. Pp.223-252 in John Cleland and John Hobcraft (eds.) *Reproductive Change in Developing Countries*. New York: Oxford University Press.
- John Bongaarts. 1999. The fertility impact of changes in the timing of childbearing in the developing world. *Population Studies* 53: 277-290.
- Charles Hirschman and Yih-Jin Young. 2000. "Social Context and Fertility Decline in Southeast Asia" In Ronald D. Lee and C. Y. Cyrus Chu (eds.) *Population and Economic Change in East Asia*, pp. 11-39, A supplement to Vol. 26 *Population and Development Review*
- Mark VanLandingham and Charles Hirschman. 2001. "Population Pressure and Fertility in Pre-Transition Thailand." *Population Studies* 55:233-248.
- M. Giovanna Merli and Herbert L. Smith. 2002. Has the Chinese family planning policy been successful in changing fertility preferences? *Demography* 39: 557-572.
- William G. Axinn and Jennifer S. Barber. 2001. Mass education and fertility transition. *American Sociological Review* 66: 481-505.

March 3: Marriage and Family Change in Industrial Societies

Read:

Required Reading:

- Andrew Cherlin. 1992. *Marriage, Divorce, Remarriage*. Revised and Enlarged Edition. Cambridge: Harvard University Press. Chapter 1: pp. 6-30.
- Larry Bumpass. 1990. What's happening to the family? Interactions between demographic and institutional change. *Demography* 27: 483- 498.
- Andrew Cherlin. 1999. Going to extremes: family structure, children's well being and social science. *Demography* 36: 421-428.

March 5: Marriage and Family Change in Developing Countries

Read:

- Ronald Rindfuss and S. Philip Morgan. 1983. Marriage, sex, and the first birth interval: the quiet revolution in Asia. *Population and Development Review* 9:259-278.
- Gavin W. Jones. 1997. Modernization and divorce: Contrasting trends in Islamic Southeast Asia and the West. *Population and Development Review* 23: 95: 114.
- Kenneth W. Wachter, John E. Knodel, and Mark VanLandingham. 2002. AIDS and the elderly of Thailand: projecting family impacts. *Demography* 39: 25-41.

Suggested Reading and References on Marriage and Family:

- John Hajnal. 1965. European marriage patterns in perspective. Pp. 101-143 in D.V. Glass and D.E.C. Eversley (eds.) *Population in History*. London: Edward Arnold Press.
- Larry Bumpass and Charles Westoff. 1970. The "perfect contraceptive" population. *Science* 169:1177-1182.
- Steven Ruggles. 1997. The Rise of Divorce and Separation in the United States, 1890-1990. *Demography* 34: 455-466. (also note comments and exchange, pp. 467-479).
- Elizabeth Thomson and Jan Hoem. 1998. "Couple Childbearing Plans and Births in Sweden. *Demography* 35:315-322.
- Richard Easterlin. 1987. *Birth and Fortune*. Second edition. Chicago: University of Chicago Press.
- S. Philip Morgan and Ronald Rindfuss. 1999. Reexamining the link of early childbearing to marriage and to subsequent fertility. *Demography* 36: 59-75.
- Tomas Frejka and Gerard Calot. 2001. Cohort reproductive patterns in low fertility countries. *Population and Development Review* 27: 103-132.
- Robert Retherford, Naohiro Ogawa and Rikya Matsukura. 2001. Late marriage and less marriage in Japan. *Population and Development Review* 27: 65-102.
- William J. Goode. 1963. *World Revolution and Family Patterns*. New York: Free Press.
- Arland Thornton and Thomas Fricke. 1987. Social change and the family: comparative perspectives from the West, China, and South Asia. *Sociological Forum* 2: 746-779.
- Larry Bumpass and Hsien-Hen Lu. 2000. Trends in cohabitation and implications for children's family contexts in the United States. *Population Studies* 54: 29-42.
- Megan Sweeney. 2002. Two decades of family change: The shifting economic foundations of marriage. *American Sociological Review* 67: 132-147.
- Charles Hirschman and Nguyen Huu Minh. 2002 "Tradition and Change in Vietnamese Family Structure in the Red River Delta." *Journal of Marriage and the Family* 64: 1063-1079.
- Stewart E. Tolnay. 1999. *The Bottom Rung: African American Family Life on Southern Farms*. Urbana, IL: University of Illinois Press.

March 10 The Urban and Metropolitan Revolutions in Human History

Read:

- Kingsley Davis. 1955. The origin and growth of urbanization in the world. *American Journal of Sociology* 60: 429-437.
- Everett Lee. 1966. A theory of migration. *Demography* 3: 47-57.
- Amos Hawley. 1972. Population density and the city. *Demography* 9: 521-529.
- Stewart E. Tolnay, E. M. Beck. 1992. Racial violence and black migration in the American South, 1910 to 1930. *American Sociological Review*, Vol. 57: 103-116.

March 12 Migration and Cities in Developing Counties

Read:

- Samuel H. Preston. 1979. Urban growth in developing countries. *Population and Development Review* 5:195-215.
- Zai Liang. 2001. The age of migration in China. *Population and Development Review* 27:499-524.
- Douglas Massey, Jorge Durand and Nolan Malone. 2002. *Beyond Smoke and Mirrors: Mexican Immigration in an Era of Economic Integration*. New York: Russell Sage. Chapter 6, pp. 105-141.

Suggested Readings and References on Migration and Urbanization:

- Kingsley Davis. 1974. The migrations of human populations. In *The Human Population*, A Scientific American Book. San Francisco: W.H. Freeman, pp. 53-65.
- Amos H. Hawley. 1971. *Urban Society: An Ecological Approach*. New York: Ronald Press.
- William McNeill. 1984. Human migration in historical perspective. *Population and Development Review* 10:1-18.
- Ira S. Lowry. 1991. World urbanization in perspective. In *Resources, Enviroment, and Population: Present Knowledge, Future Options*. A Supplement to Volume 16 of *Population and Development Review*, pp.148-176.
- William H. Frey and Alden Speare. 1988. *Regional and Metropolitan Growth and Decline in the United States*. New York: Russell Sage. Chapters 2 & 3, pp. 18-72.
- Avery M. Guest. 1984. The city. Pp. 277-322 in Michael Micklin and Harvey Choldin (eds.) *Sociological Human Ecology: Contemporary Issues and Applications*. Boulder: Westview Press.
- Larry Long. 1988. *Migration and Residential Mobility in the United States*. New York: Russell Sage Foundation. Chapters 1 & 2, pp. 1-57.
- Mattei Dogan and John D. Kasarda. (eds). 1988. *The Metropolis Era*. 2 volumes. Newbury Park: Sage.
- Douglas Massey and Nancy Denton. 1987. Trends in the residential segregation of Blacks, Hispanics, and Asians: 1970 to 1980. *American Journal of Sociology* 52:802-825.
- Douglas S. Massey. 1988. Economic development and international migration in comparative

- perspective. *Population and Development Review* 14 (September):383-413.
- Douglas Massey. 1987. Understanding Mexican migration to the United States. *American Journal of Sociology* 92:1372-1403.
- William Frey and Alden Speare. 1992. The revival of metropolitan population growth in the United States: an assessment of findings from the 1990 Census. *Population and Development Review* 18: 129-146.
- John D. Kasarda and Edward M. Crenshaw. 1991. Third world urbanization: dimensions, theories, and determinants. *Annual Review of Sociology* 17:467-501.
- Douglas Massey and Kristin Espinosa. 1997. What's driving Mexico-U.S. migration: a theoretical, empirical, and policy analysis. *American Journal of Sociology* 102: 939-999.
- Zai Laing and Michael White. 1996. Internal migration in China. *Demography* 33: 375-384.
- Alejandro Portes. 1978. Toward a structural analysis of illegal immigration. *International Migration Review* 12(Winter):469-484.
- Douglas Massey et al. 1993. Theories of international migration: a review and appraisal. *Population and Development Review* 19(September): 431-466.
- Martin Brouckhoff and Ellen Brennan. 1998. "The poverty of cities in developing regions. *Population and Development Review* 24: 75-114.
- Kam Wing Chan, 1994. *Cities with Invisible Walls: Reinterpreting Urbanization in Post-1949 China*, Oxford University Press
- Charles Hirschman. 2001. "Immigration, Public Policy." In Neil J. Smelser and Paul B. Baltes (eds.) *International Encyclopedia of the Social and Behavioral Sciences* Vol. 11:7221-7226. Oxford: Elsevier.
- Wayne A. Cornelius. 2001. "Death at the border: Unintended consequences of U.S. immigration policy. *Population and Development Review* 27: 661-685.
- John Logan, Richard Alba, and Wenquan Zhang. 2002. Immigrant enclaves and ethnic communities in New York and Los Angeles. *American Sociological Review* 67: 299-322.
- Ellis, Mark and Richard Wright (1999) "The Industrial Division of Labor among Immigrants and Internal Migrants to the Los Angeles Economy". *International Migration Review* 33: 26-54
- Avery M. Guest and Townsend Price-Spratlen. 2002. Race and Population Change: A Longitudinal Look at Cleveland Neighborhoods. *Sociological Forum* 17:105-136.

Final exam will be distributed on the last day of class and will be due at 2:30 on Monday, March 17.

Sp2003
William Lively

Sociology 433

**Research Methods in Demography
Syllabus**

Week 1: Basic Concepts and Measures

3/1 Introduction

4/2 Rates and ratios

Read: Preston, Heuveline and Guillot, Chapter 1

*Norman B. Ryder. 1964. Notes on the concept of a population. *American Journal of Sociology* 69:447-463. [JSTOR]

Assignment #1: Growth. Due April 7

Week 2: Age Specific Rates and Probabilities

4/7 Standardization and decomposition

4/9 The Lexis Diagram

Read: Preston et al., chapter 2.

*Evelyn M. Kitagawa. 1955. Components of a difference between two rates. *Journal of the American Statistical Association* 50:1108-1194. [JSTOR]

*Robert D. Retherford and Naohiro Ogawa. 1978. Decomposition of the change in the total fertility rate in the Republic of Korea, 1966-1970. *Social Biology* 25,2:115-127. [&&]

Assignment #2: Standardization. Due April 14

Week 3: The Life Table

4/14 Life table construction

4/16 Interpreting the life table

Read: Preston et al., chapter 3

*Chin Long Chiang. 1968. *Introduction to Stochastic Processes in Biostatistics*. New York: John Wiley & Sons. Chapter 9. [JSTOR]

*Robert Schoen. 1978. Calculating life tables by estimating Chiang's a from observed rates. *Demography* 15, 4: 625-635. [JSTOR]

*James McCann. 1972. Differential mortality and the formation of political elites: the case of the U.S. House of Representatives. *American Sociological Review* 37: 689-700. [JSTOR]

*Charles Hirschman, Samuel Preston, and Vu Manh Loi. 1995. Vietnamese casualties during the American War. *Population and Development Review* 21:783-812.

Assignment #3: Life Table. Due April 21

Week 4: Fertility and Reproduction

4/21 Period fertility rates

4/23 Reproduction

Read: Preston et al., chapter 5

*John Bongaarts and Griffith Feeney. 1998. On the quantum and tempo of fertility. *Population and Development Review* 24:271-292. [JSTOR]

*Griffith Feeney and Jingyuan Yu. 1987. Period parity progression measures of fertility in China. *Population Studies* 41,1 (March):77-102. [JSTOR]

*John Hajnal. 1953. Age at marriage and proportions marrying. *Population Studies* 7,2:193-214. [JSTOR]

*John Bongaarts and Robert G. Potter. 1983. *Fertility, Biology and Behavior—An Analysis of the Proximate Determinants of Fertility*. New York: Academic Press. Chapters 1 and 2. [Reserve]

*Kingsley Davis and Judith Blake. 1956. Social structure and fertility: An analytic framework. *Economic Development and Cultural Change* 4,3 (April):211-35.

*Ronald R. Rindfuss, James A. Palmore, and Larry L. Bumpass. 1987. Analyzing birth intervals: implications for demographic theory and data collection. *Sociological Forum* 2,4:811-828. [JSTOR]

*Ansley J. Coale and Susan Cotts Watkins (eds) *The Decline of Fertility in Europe*. Princeton: Princeton University Press. [Reserve]

Assignment #4: Fertility. Due April 28

Week 5: Midterm and PAA

4/28 *Midterm quiz*

4/30 *No class—PAA meetings*

Read: Preston et al., chapter 6.

*Evert van Imhoff and Wendy Post. 1998. Microsimulation methods for population projection. *Population: An English Selection* Vol 10, No. 1, New Methodological Approaches in the Social Sciences pp. 97-138. [JSTOR]

*R. D. Lee. 1985. Inverse Projection and Back Projection: A Critical Appraisal, and Comparative Results for England, 1539 to 1871. *Population Studies* 39, 2: 233-248. [JSTOR]

Week 6: The Stable Population Model

5/5 Projections and forecasts (with a demonstration)

5/7 Stable population relationships

Preston et al., chapter 7

*Louis I. Dublin and Alfred J. Lotka. 1925. On the true rate of natural increase. *Journal of the American Statistical Association* 20:305-340. [JSTOR]

C. Norregaard and G. Schmidt. 1975. Mortality and fertility in Arctic communities Greenland – A Case Study. *Population Studies* 29,1: 37-51.

Week 7: More on Stable Populations

5/12 Growth momentum and uses of stable populations

5/14 Model stable populations and model life tables

Read: Preston et al., chapter 9 part 1

*Ansley J. Coale and Paul Demeny. 1966. Models of mortality and age composition. Chapter 1 in *Regional Model Life Tables and Stable Populations*. Princeton: Princeton University Press. [Reserve]

*United Nations. 1982. *Model Life Tables for Developing Countries*. New York.

Assignment #5: Stable Populations and Model Life Tables. Due May 22

Week 8: Modeling Age Patterns of Vital Events

5/19 Age patterns of marital fertility

5/21 Modeling infant mortality (special session)

Read: Preston et al., chapter 9 parts 2 and 3

*Chris Wilson, Jim Oeppen and Mike Pardoe. 1988. What is natural fertility? The modelling of a concept. *Population Index* 54,1 (Spring):4-20. [JSTOR]

*Louis Henry. 1961. Some data on natural fertility. *Eugenics Quarterly* (June):81-89. [&&]

*Ansley Coale and James Trussell. 1996. The development and use of demographic models. *Population Studies* 50:469-484. [JSTOR]

*Ansley Coale and James Trussell. 1974. Model fertility schedules: Variations in the age structure of childbearing in human populations. *Population Index* 40,2:185-258. [JSTOR]

Week 9: Methods for Evaluating Data Quality

5/26 *No class—Memorial Day Holiday*

5/28 Demographic analysis, Deming procedures,
uses of intercensal survival

Read: Preston et al., chapter 10

*Irma T. Elo and Samuel H. Preston. 1994. Estimating African-American mortality from inaccurate data. *Demography* 31, 3:427-58. [JSTOR]

*C. Chandra Sekar and W. Edwards Deming. 1949. On a method of estimating birth and death rates and the extent of registration. *Journal of the American Statistical Association* 44, 245: 101-115. [JSTOR]

*George W. Barclay. 1958. *Techniques of Population Analysis*. Chapter 3. [Reserve]

Assignment #6: Data Evaluation. Due June 3

Week 10:

6/2 Migration and Segregation, OR: _____

6/4 Review: The Demography General Examination

Read: Preston et al., chapter 11, part 1

*William Brass. 1975. *Methods for Estimating Fertility and Mortality from Limited and Defective Data*. Chapel Hill: Laboratories for Population Statistics, University of North Carolina. [Reserve]

*United Nations, Department of International Economic and Social Affairs, Population Studies No. 81, *Manual X, Indirect Techniques for Demographic Estimation*. New York: United Nations, 1983. [Reserve]

COURSE SYLLABUS FOR:

Sociology 431

Fertility and Mortality

Spring Quarter 2003

ESSENTIAL INFORMATION

Instructor	Stewart Tolnay
Meeting Time	3:00 - 4:20, Tuesdays and Thursdays
Classroom	Parrington 213
Office	106J Savery
Office Hours	To be announced
Telephone Number	(206) 685-2284 (Office)
	(206) 782-5868 (Home)
Email Address	tolnay@u.washington.edu
Course Webpage	http://courses.washington.edu/setclass/
Required Book	Arthur Haupt and Thomas T. Kane. 1998. <i>Population Handbook</i> . 4 th Edition (Washington D.C.: Population Reference Bureau, ISBN 0- 917136-12-8)

COURSE DESCRIPTION AND OBJECTIVES

This course offers an in-depth examination of two key demographic processes: fertility and mortality. It approaches these topics from a “demographic transition” perspective. We begin by considering the long-term, historical trends in fertility and mortality and how they have been explained and interpreted by Demographic Transition Theory. Because the balance of fertility and mortality determines the pace at which populations grow (or shrink) through “natural increase” (or “natural decrease”) we also consider briefly how their shifting levels have contributed to trends in population growth. Our examination of fertility and mortality will be divided into five sub-sections. We first consider basic concepts and measurement techniques that are required to understand variations in fertility or mortality levels and trends. Next, we examine the most common theoretical perspectives that have been used to explain those variations. Third, we survey the evidence regarding historical transitions in mortality and fertility, especially as they occurred in Europe and the United States. Fourth, we shift our attention to ongoing transitions in the less developed countries of the world. Finally, we investigate a variety of issues related to fertility and mortality in *post-transition* societies. The last section of the course will consider linkages between these two important demographic processes.

Our approach to the study of fertility and mortality will be primarily a sociological one. However, demographic processes are influenced by a very wide variety of factors, and they have far reaching implications for populations and societies. Therefore, our sociological journey will frequently be supplemented by information and perspectives from other disciplines, for example: anthropology, economics, history, geography, and psychology. The principal objective of this course is to familiarize students with the core issues and questions that drive social science research on fertility and mortality. A secondary objective is to prepare students for advanced, more specialized, study within both of these areas.

I expect students to bring a wide variety of backgrounds to this class. I will assume that students have completed a general course in population studies or demography, either at the graduate or undergraduate level. However, I will also give short introductions to each section of the course in an effort to refresh memories, or to fill important gaps.

COURSE ORGANIZATION

During most class sessions I will lecture for all, or most, of the time period. However, students are expected to complete the required readings beforehand, and to be prepared to raise questions or contribute to a discussion of the relevant material. Despite the primarily lecture format for the course, I would like to maintain an informal atmosphere in which students feel comfortable asking questions or making comments at any time. There will be a website for the course (see above) which I will use to post announcements, handouts, and other course-related materials.

COURSE REQUIREMENTS

Students are required to complete four basic requirements for this course: (1) a class project; (2) a midterm exam; (3) a final exam, and (4) at least two sets of out-of-class exercises.

EXAMINATIONS

A written midterm and final examination will be required of all students. The midterm examination will cover all material through the completion of the “Fertility Section” of the course. The final examination will concentrate most heavily on material covered during the second half of the course. Both examinations will be completed outside of class. Specific instructions regarding the final examination will be distributed in class and posted on the course webpage.

CLASS PROJECT

Each student is required to satisfactorily complete a course project. All students may select from the following three types of projects:

1. Research Paper. You may write a research paper that uses appropriate data to address some issue related to fertility or mortality. The research paper should be in the style of a journal article, and follow the style requirements of either the *American Sociological Review* or *Demography*. This option is best suited to graduate students, or more advanced undergraduates, who already have an idea for a research project that is appropriate for this course.
2. Research Proposal. You may write a research proposal that describes a planned project that will analyze data to address some fertility- or mortality-related issue. The proposal should follow the general format requirements of the National Science Foundation, which can be found at the NSF website (<http://www.nsf.gov/start.htm>).
3. Literature Review. You may review the literature concerned with a particular fertility- or mortality-related issue. The review should follow the style requirements of either the *American Sociological Review* or *Demography*. It should include the following:
 - ! an in-depth discussion of the research topic and of previous work in the area,
 - ! identification of the most important questions remaining to be answered,

! suggestions for how those important questions might be approached.

! a complete bibliography listing the journal articles and books you consulted in preparing your literature review.

Undergraduate students may also choose the following option for their term project.

1. Country Profiles. You may prepare an in-depth country profile that describes the current patterns of mortality and fertility, as well as trends during the last few decades, in two different countries. The current levels and recent trends for fertility and mortality within your chosen countries must also be linked to important social, economic, and cultural conditions that exist (or have existed) within the countries. The comparative dimension to this type of project is important, so you should select your focus countries carefully.

Students are strongly encouraged to consult with me before deciding upon the type of project they will complete. Completed term projects must be turned in by 5:00 p.m. of the last day of class (June 6th).

DEMOGRAPHIC EXERCISES

During the quarter, students will be required to complete a set of demographic exercises. Generally, these will consist of computational exercises, such as calculating fertility or mortality rates.

COURSE GRADING

Final grades for the course will be based on each student's performance on the three graded course requirements. These three components of the final grade will be weighted as follows:

Class Project.....	35%
Midterm Exam.....	30%
Final Exam.....	30%
Exercises.....	5%

TOPIC OUTLINE AND ASSIGNED READINGS

Below is the planned itinerary for the course, along with the readings required within each of the course's subsections. My intention is to complete Sections I and II before the midterm examination and Sections III and IV after the midterm and before the end of the quarter. Of course, we may need to modify this itinerary as the quarter progresses. In some cases it will be more efficient to read the items in a different order than is presented below. When that is true I will let you know.

I. OVERVIEW: THEORY OF THE DEMOGRAPHIC TRANSITION

Notestein, Frank W. 1945. "Population – The Long View." Pp. 36-57 in *Food for the World*, T.W. Schultz (ed.). Chicago: University of Chicago Press.

Davis, Kingsley. 1945. "The World Demographic Transition." *The Annals of the Academy of Political and Social Science* 237:1-11.

Teitelbaum, Michael. 1975. "Relevance of Demographic Transition Theory for Developing Countries." *Science* 188:420-425.

II. HUMAN FERTILITY

A. Basic concepts and measurement

Davis, Kingsley and Judith Blake. 1956. "Social Structure and Fertility: An Analytic Framework." *Economic Development and Cultural Change* 4(April):211-35.

Bongaarts, John. 1978. "A Framework for Analyzing the Proximate Determinants of Fertility," *Population and Development Review* 4: 105-132.

Population Handbook. Chapters 3 and 4.

B. Theoretical approaches to the study of fertility and fertility change

Alter, George. 1992. "Theories of Fertility Decline: A Non-Specialist's Guide to the Current Debate." Pp. 13-27 in *The European Experience of Declining Fertility, 1850-1970: The Quiet Revolution* John R. Gillis, Louise A. Tilly, and David Levine (eds.) Cambridge, MA: Blackwell.

Easterlin, Richard. 1975. "An Economic Framework for Fertility Analysis." *Studies in Family Planning* 6:54-63.

Cleland, John and Christopher Wilson. 1987. "Demand Theories of Fertility Transition: An Iconoclastic View." *Population Studies* 41:5-30.

Caldwell, John. 1976. "Toward a Restatement of Demographic Transition Theory." *Population and Development Review* 2(3):321-366.

Hirschman, Charles. 1994. "Why Fertility Changes?" *Annual Review of Sociology* 20:203-233.

Mason, Karen O. 1997. "Explaining Fertility Transitions." *Demography* 34:443-54.

A. Fertility in transition: Europe and the U.S.

Tolnay, Stewart E., Stephen N. Graham and Avery M. Guest. 1982. "Own Child Estimates of U.S. White Fertility, 1866-1899." *Historical Methods* 15:127-38.

Guest, Avery M. 1981. "Social Structure and U.S. Inter-State Fertility Differentials in 1900." *Demography* 18:465-486.

van de Walle, Etienne and John Knodel. 1980. "Europe's Fertility Transition: New Evidence and Lessons for Today's Developing World." *Population Bulletin* 34(6).

Watkins, Susan Cott. 1986. "Conclusions." Pp. 420-49 in Ansley J. Coale and Susan Cott Watkins (eds.) *The Decline of Fertility in Europe*. Princeton: Princeton Univ. Press.

Tolnay, Stewart E. 1996. "Structural Change and Fertility Change in the South, 1910 to 1940." *Social Science Quarterly* 77(3):559-576.

Guinnane, T., B. Okun, and J. Trussell. 1994. "What Do We Know about the Timing of Fertility Transitions in Europe?" *Demography* 31(1):1-20.

B. Fertility in transition: contemporary less developed world.

Caldwell, John C. and Pat Caldwell. 1990. "High Fertility in Sub-Saharan Africa." *Scientific American* 262(5):118-125.

Knodel, John, Napaporn Havanon, and Anthony Pramualratana. 1984. "Fertility Transition in Thailand: A Qualitative Analysis." *Population and Development Review* 10:297-328.

Lavelly, William and Ronald Freedman. 1990. "The Origins of the Chinese Fertility Decline." *Demography* 27(3):357-367.

Hirschman, Charles and Philip Guest. 1990. "Multilevel Models of Fertility Determination in Four Southeast Asian Countries: 1970 and 1980." *Demography* 27(3):369-394.

Raftery, Adrian E., Steven M. Lewis, and Akbar Aghajanian. 1995. "Demand or Ideation? Evidence from the Iranian Marital Fertility Decline." *Demography* 32:159-182. (Grad. Only)

Mauldin, W.P. and J.A. Ross. 1991. "Family Planning Programs: Efforts and Results." *Studies in Family Planning*. 22:350-67.

C. Fertility in post-transition settings

Morgan, S. Philip. 1996. "Characteristic Features of Modern American Fertility." *Population and Development Review* 22(suppl.):19-63.

Tomas Frejka and Gérard Calot. 2001. "Cohort Reproductive Patterns in Low Fertility Countries." *Population and Development Review* 27(1):103-132.

Smith, Herbert, S. Philip Morgan, and Tanya Koropeckyj-Cox. 1996. "A Decomposition of Trends in Nonmarital Fertility Ratios of Blacks and Whites in the United States, 1960-1992." *Demography* 33:141-151.

Brewster, Karin L. and Ronald R. Rindfuss. 2000. "Fertility and Women's Employment in Industrialized Nations." *Annual Review of Sociology* 26:271-96.

Bongaarts, John. 2002. "The End of the Fertility Transition in the Developed World." *Population and Development Review* 28(3):419-443.

III. HUMAN MORTALITY

A. Basic concepts and measurement

Population Handbook. Chapters 5 and 6

B. Theoretical approaches to the study of mortality and mortality change

Kitagawa, Evelyn. 1977. "On Mortality." *Demography* 14(4):381-389.

Menken, Jane. 1987. "Proximate Determinants of Fertility and Mortality: A Review of Recent Findings." *Sociological Forum* 2:697-717.

Preston, Samuel H. 1977. "Mortality Trends." *Annual Review of Sociology* 3:163-178

Omran, Abdel. 1977. "Epidemiological Transition in the U.S." *Population Bulletin* 32(2).

C. Morality in transition: Europe and the U.S.

Ewbank, Douglas C. and Samuel H. Preston. 1990. "Personal Health Behavior and the Decline in Infant and Child Mortality." Pp. 116-149 in John C. Caldwell et al. (eds.) *What We Know About Health Transition: The Cultural, Social, and Behavioural Determinants of Health*, Volume 1. Canberra: Australian National University.

McKeown, Thomas, R. G. Brown, and R. G. Record. 1972. "An Interpretation of the Modern Rise of Population in Europe." *Population Studies* 26:345-382.

Razzell, P.E. 1974. "An Interpretation of the Modern Rise of Population in Europe: A Critique." *Population Studies* 28:5-17.

Condran, Gretchen A. and Rose A. Cheney. 1982. "Mortality Trends in Philadelphia: Age-and Cause-Specific Death Rates 1870-1930." *Demography* 19:97-123.

Johansson, S. R. and C. Mosk. 1987. "Exposure, Resistance and Life Expectancy: Disease and Death During the Economic Development of Japan, 1900-1960." *Population Studies* 41:207-235.

D. Morality in transition: contemporary less developed world

Hill, Kenneth and Anne R. Pebley. 1989. "Child Mortality in the Developing World," *Population and Development Review* 15: 657-687.

J. G Cleland and J. K. van Genneken. 1988. "Maternal Education and Child Survival in Developing Countries: the Search for Pathways of Influence." *Social Science and Medicine* 27(12):1357-68.

Caldwell, John. 1986. "Routes to Low Mortality in Poor Countries." *Population and Development Review* 12:171-220.

Preston, Samuel H. 1980. "Causes and Consequences of Mortality Declines in Less Developed Countries." Pp. 289-360 in Richard A. Easterlin (ed.) *Population and Economic Change in Developing Countries*. Chicago: University of Chicago Press.

E. Mortality in post-transition settings

- Rogers, Richard. 1992. "Living and Dying in the USA: Sociodemographic Determinants of Death Among Blacks and Whites." *Demography* 29(2):287-303.
- Waldron, Ingrid. 1985. "What Do We Know About Causes of Sex Differences in Mortality? A Review of the Literature." *Population Bulletin of the United Nations* 18:59-76.
- Pampel, Fred C. 2002. "Cigarette Use and the Narrowing Sex Differential in Mortality." *Population and Development Review* 28(1):77-104.
- Feinstein, J.S. 1993. "The Relationship Between Socioeconomic Status and Health: A Review of the Literature." *The Milbank Quarterly* 71(2):279-322.
- Lillard, Lee and Linda J. Waite. 1995. "'Til Death Do Us Part': Marital Disruption and Mortality." *American Journal of Sociology* 100: 1131-56.
- Rogers, Richard, Robert Hummer, Charles Nam, and Kimberley Peters. 1996. "Demographic, Socioeconomic, and Behavioral Factors Affecting Ethnic Mortality by Cause." *Social Forces* 74(4):1419-1438.
- Avery M. Guest, Gunnar Almgren, and Jon M. Hussey. 1998. "The Ecology of Race and Socioeconomic Distress: Infant and Working-Age Mortality in Chicago." *Demography* 35:23-34.
- IV. FERTILITY - MORTALITY LINKAGES**
- Lloyd, Cynthia B. and Serguey Ivanov. 1988. "The Effects of Improved Child Survival on Family Planning Practice and Fertility." *Studies in Family Planning* 19(3):141-161.
- Mark R. Montgomery. 2000. "Perceiving Mortality Decline." *Population and Development Review* 26(4):795-819.
- Barney Cohen and Mark R. Montgomery. 1998. "Introduction." Pp. 1-38 in Barney Cohen and Mark R. Montgomery (eds.) *From Death to Birth: Mortality Decline and Reproductive Change*. Washington D.C.: National Academy Press.
- Preston, Samuel H. 1975. "Health Programs and Population Growth." *Population and Development Review* 1(2):189-199.
- John Bongaarts. 1987. "Does Family Planning Reduce Infant Mortality Rates?" *Population and Development Review* 13:323-334.
- Joseph E. Potter. 1988. "Does Family Planning Reduce Infant Mortality?" *Population and Development Review* 14:179-187.
- James Trussell. 1988. "Does Family Planning Reduce Infant Mortality? An Exchange." *Population and Development Review* 14:171-178.
- John Bongaarts. 1988. "Does Family Planning Reduce Infant Mortality?" *Population and Development Review* 14:188-190.

Soc. 430: Urbanism and Urbanization
Savery 315, 2:30-3:50 p.m. T, Th
Winter, 2004
A.M. Guest, 113 Savery, Email: Peto@U

This course is a graduate-level introduction to the human ecology literature in sociology. Human ecology has a long and venerable tradition in sociology, with both broad and narrow definitions.

As a broad approach, human ecology has primarily concentrated on the study of aggregate characteristics of social organization for spatially defined communities, such as cities and nations. As a narrow approach, human ecology has emphasized the study of territorial distributions, primarily urbanization (its causes and consequences) and population movement (migration and mobility). While appreciating the broad approach, I have decided to follow more the narrow definition. The limited number of class sections leads me to believe that we would be more successful in doing a few things well than a number of things in a superficial manner. In addition, the narrow definition lets students use this course as a preparation for the demography-ecology Ph.d. exam.

I plan to spend two class sessions on each of the ten topics, with the rough dates indicated. The first class session on each topic will involve lecturing by me. The second session will involve a more general discussion, with students and the instructor reporting on assigned articles from the below reading list. All the articles will be assigned so that one member of the class is the primary reporter and discussion leader. There is no general text for the course, but rather I will try to integrate the material through lectures and discussions. I will sell (at cost) collections of the readings or sell computer disks with copies of the readings.

Grades in the course will be based on four exercises. There will be two non-overlapping exams in the middle and at the end of the course. Each will be worth 30 percent of the grade. The nature of these exams will be resolved by discussion between teacher and students, within the framework of "guided democracy" (teacher has final say). Hopefully, some form of take-home essay will be involved. In addition, there will be a paper, worth 30 percent of the grade. In general, I would like to see each student do one

of the following: actually do a research paper (there are plenty of data around), prepare a research proposal, review literature on topics in the general area. I envision the paper to be 10-15 pages, somewhat less than a master's thesis but more than nothing. The nature of the paper should be decided at an early conference between teacher and student. The other 10 percent of the grade will be based on my assessment of the quality of each student's review of the articles for class discussion.

My office hours for the quarter are: Tuesday and Thursday, 1:00-2:30. I am also willing to meet at most other times I am in my office (113 Savery) or by appointment. As an officially retired prof, I do not anticipate being on the campus Monday through Friday. Email is also a great way to communicate with me.

The dates for the various sections are tentative, but I do not expect to stray wildly. Essentially, I plan to spend a week on each of the ten topics.

I. General Overviews of Human Ecology (Jan. 6 and 8)

Abbott, Andrew. 1997. "Of Time and Space: The Contemporary Relevance

of the Chicago School." *Social Forces* 75:1149-1182.

Hawley, Amos. 1986. *Human Ecology: A Theoretical Essay*.

University of Chicago Press. Chaps. 1 & 2.

Namboodiri, Krishnan. 1988. "Ecological Demography: Its Place in

Sociology." *American Sociological Review* 53:619-633.

Park, Robert. 1936. "Human Ecology." *American Journal of Sociology*

42:1-15.

Schnore, Leo F. 1958. "Social Morphology and Human Ecology."

American Journal of Sociology 63: 620-634.

II. World Urbanization (Jan. 13 and 15)

Bradshaw, York. 1987. "Urbanization and Underdevelopment: A Global

Study of Modernization, Urban Bias, and Economic Dependency."

American Sociological Review 52:224-239.

Brockerhoff, Martin and Ellen Brennan. 1998. "The Poverty of Cities

In Developing Regions". *Population and Development Review* 24:75-113.

Chase-Dunn, Christopher. 1984. "Urbanization in the World System:

New Directions for Research." Pp. 111-20 in Michael P. Smith

(ed.), *Cities in Transformation: Class, Capital, and the State.*

Urban Affairs Annual Reviews, Vol. 26, Beverly Hills: Sage.

Firebaugh, Glenn. 1979. "Structural Determinants of Urbanization

in Asia and Latin America, 1950-1970." *American Sociological*

Review 44: 199-215.

Preston, Samuel. 1979. "Urban Growth in Developing Countries: A

Demographic Reappraisal." *Population and Development Review* 5:

195-215.

III. Systems of Cities (Jan. 20 and 22)

Abrahamson, Mark and Michael A. DuBick. 1977. "Patterns of Urban

Dominance in the U.S. in 1890." *American Sociological Review*

42:756-68.

Beverly Duncan and Stanley Lieberman. 1970. "Since 1940", pp. 135-152,

in *Metropolis and Region in Transition*. Beverly Hills: SAGE.

Feagin, Joe R. 1985. "The Global Context of Metropolitan Growth:

Houston and the Oil Industry." *American Journal of Sociology*

90: 1204-30.

Galle, Omer R. 1963. "Occupational Composition and the Metro-

politan Hierarchy: the Inter- and Intra-metropolitan Division

of Labor." *American Journal of Sociology* 69: 260-9.

South, Scott J. and Dudley L. Poston, Jr. 1982. "The U.S. Metro-

politan System: Regional Change, 1950-1970." *Urban Affairs Quarterly* 18: 187-206.

IV. Community Studies (Jan. 27 and 29)

Bender, Thomas. 1978. Community and Social Change in America.

Baltimore: The Johns Hopkins University Press. Chapt. 2, "Social Theory and the Problem of Community."

Cottrell, Fred. 1957. "Death by Dieselization: A Case Study in the

Reaction to Technological Change." American Sociological Review 16: 358-65.

Stein, Maurice. 1960. The Eclipse of Community. New York: Harper

and Row. Pp. 94, 98-99, 103-109, 111-113, 301-303.

Arthur J. Vidich and Joseph Bensman. "Small Town in Mass Society: Class, Power, and Religion in a Rural Community".

Princeton University Press, 1958. Pp. 81-100, 122-136.

Warren, Roland L. The Community in America (3rd ed.), Chicago:

Rand, McNally. Pp. 240-44, 267-71.

V. The Modern Metropolis (Feb. 3 and 5)

Firey, Walter. 1945. "Sentiment and Symbolism as Ecological Variables."

American Sociological Review 10: 140-8.

Guest, Avery. 1978. "Suburban Social Status: Evolution or Persistence?"

American Sociological Review 43: 251-264.

Logan, John R., and Min Zhou. 1989. "Do Suburban Growth Controls

Control Growth?" American Sociological Review 54:461-71.

London, Bruce, Barrett A. Lee, and S. Gregory Lipton. 1986.

"The Determinants of Gentrification in the United States: A City-Level Analysis". Urban Affairs Quarterly 21

(1986):369-387.

Schnore, Leo F. and Hal H. Winsborough. 1972. "Functional Classification and the Residential Location of Social

Classes." Pp. 124-151 in B.J.L. Berry (ed.), City Classification Handbook: Methods and Applications. New

York:

VI. Black-White Residential Patterns in Cities (Feb. 10 and 12)

Farley, Reynolds, Charlotte Steeh, Maria Krysan, Tara Jackson, and

Keith Reeves. 1994. "Stereotypes and Segregation: Neighborhoods

In the Detroit Area." American Journal of Sociology 100:750-780.

Farley, Reynolds and William F. Frey. 1994. "Changes in the Segregation of Whites from Blacks." *American Sociological Review* 59:23-45.

Massey, Douglas S. 1981. "Social Class and Ethnic Segregation."

American Sociological Review 46: 641-50.

Massey, Douglas S., Gretchen A. Condran, and Nancy A. Denton. 1987.

"The Effect of Residential Segregation on Black Social and Economic Well-Being." *Social Forces* 66:29-56.

Harvey Molotch, "Racial Integration in a Transition Community".

American Sociological Review 34 (1969):878-893.

VII. Community Attachment in the Metropolis (Feb. 17 and 19)
Campbell, Karen E., and Barrett A. Lee. 1992. "Sources of Personal

Neighbor Networks: Social Integration, Need, or Time?" *Social*

Forces 70:1077-1100.

Guest, Avery M. 1999. "The Mediate Community: The Nature of Local and

Extra-Local Ties within the Metropolis." *Urban Affairs Review* 36:603-627.

Kasarda, John D., and Morris Janowitz. 1974. "Community Attachment in

Mass Society." *American Sociological Review* 39:328-39.

Sampson, Robert J., Jeffrey D. Morenoff, and Felton Earls. 1999.

"Beyond Social Capital: Spatial Dynamics of Collective Efficacy for

Children." *American Sociological Review* 64:633-660.

Warner, B.D. and P.W. Rountree. 1997. Local social ties in a community

and crime model: questioning the systemic nature of informal social

control. *Social Problems* 44:520-536.

VIII. Residential Mobility (Feb. 24 and 26)

Speare, Alden. 1974. "Residential Satisfaction as an Intervening

Variable in Residential Mobility." *Demography* 11:173-188.

Landale, Nancy and Avery M. Guest. 1985. "Constraints, Satis-

faction and Residential Mobility: Speare's Model
Reconsidered."

Demography 22: 199-222.

Lee, Barrett A., R.S. Oropesa, and James W. Kanan. 1994.
"Neighborhood

Context and Residential Mobility." Demography 31:249-270.

Frey, William. 1979. "Central City White Flight: Racial and
Nonracial Causes." American Sociological Review 44: 425-
48.

Crowder, Kyle D. 2000. "The Racial Context of White
Mobility: An

Individual-level Assessment of the White Flight

Hypothesis." Social

Science Research 29:223-257

IX. Internal Migration (March 2 and March 4)

Fuguitt, Glenn V. and David L. Brown. 1990. "Residential
Preferences and Population Redistribution: 1972-1988."
Demography 27:589-600.

Galle, Omer and Karl Taeuber. 1966. "Metropolitan Migration
and Intervening Opportunities." American Sociological
Review

31: 6-13.

Herting, Jerald R., David B. Grusky, and Stephen E. Van
Rompae. 1997.

"The Social Geography of Interstate Mobility and
Persistence."

American Sociological Review 62:267-287.

Lee, Everett S. 1966. "A Theory of Migration." Demography 3:
47-57.

Tolnay, Stewart and E.M. Beck. 1992. "Racial Violence and
Black

Migration in the American South, 1910-1930" American
Sociological

Review 57:103-116.

X. International Migration (March 9 and 11)

Davis, Kingsley. 1974. "The Migration of Human Populations."
Scientific American 237: 93-105.

Massey, Douglas S. 1988. Economic Development and
International

Migration in Comparative Perspective. Population and
Development

Review 14: 383-413..

Massey, Douglas S. et al. 1993. "Theories of International
Migration: A

Review and Appraisal." *Population and Development Review* 19: 431-466.

Massey, Douglas S. 1995. "The New Immigration and Ethnicity in the

United States" *Population and Development Review* 21 (1995): 631-652.

Frey, William H. 1996. "Immigration, Domestic Migration, and Demographic Balkanization in America: New Evidence for the 1990s."

Population and Development Review 22:741-763.