

Population and Development

A syllabus prepared for the October 12 and 15, 2012 General Exam

Kristin Bietsch, Ph.D. Candidate, Office of Population Research, Princeton University

Introduction to the Syllabus

The following syllabus explores the different pathways, roles, and history of population in global development. The syllabus is structured for a graduate seminar in Demography (though it could easily be tailored to Economics or Public Policy by adding an introductory section of demographic methodology as well as adding or eliminating readings from certain topics). The population and development debate (a common discussion since the time of Malthus) has been expanded back thousands of years in human history and forward to predictions of the future fates of populations. The motivation for this general exam comes from a desire to further thinking about what we mean when we talk about development, how we consider the needs and rights of the individual as well as the local, national, or global population, and how policy has and should be constructed in this debate. The main challenge is to recognize the complex relationship between development and population growth: the feedback mechanisms, the short term and long term effects, and the idea that the decisions of the individual are consequential to the group.

The structure of the syllabus provides the reader with an overview of development economics, the population debate, and the implementation of population policy. The introduction to development economics includes both textbook chapters and articles by development economists, setting the stage to discuss population change in the context of development economics. Diving into the population and development debate, the next section includes such widely cited authors as Malthus, Ehrlich, and Simon to open the reader's eyes to the wide range of opinions and theories that have received attention from not only academics, but the general public. The next several sections include many works broadly discussing the debate, both in theory and empirics. Following this are three sections focusing on secondary topics which need to be incorporated into the discussion, including technology, fertility and mortality, and further aspects of development (especially inequality and poverty). The last 3 sections of the syllabus examine population policy which has been debated by many and enacted by governments in attempts to control population growth. These sections include discussions of the role of

demographers in research and policy, the conclusion that fertility is the easiest demographic pathway in which to alter population change, the ethical debates resulting from program design and implementation, and several country case studies. The final section on case studies would provide a jumping off point for student presentations debating the motivation, implementation, and results of enacted population policy. The goal of this syllabus is to provide the reader with the ability not only to explain the population and development debate, but to be able to articulate the potential positive and negative aspects of demographic processes and their role in development.

Topic 1: Introduction to Development Economics

- Ray, Debraj. 1998. *Development Economics*, Princeton University Press
 - Chapter 2: Economic Development: Overview
 - Chapter 3: Economic Growth
 - Chapter 5: History, Expectations, and Development
 - Chapter 6: Economic Inequality
 - Chapter 7: Inequality and Development: Interconnections
 - Chapter 9: Population Growth and Economic Development
- Jones, Charles. 2011. *Macroeconomics*. Second ed. W. W. Norton & Company.
 - Chapter 6: Growth and Ideas
- Banerjee, Abhijit and Esther Duflo. 2006. "The Economic Lives of the Poor", *Journal of Economic Perspectives*, 21(1), 141-167.
- Galor, Oded. 2005. "The Transition from Stagnation to Growth: Unified Growth Theory" in the *Handbook of Economic Growth*, North Holland.
- Lucas, Robert. 1990. "Why Doesn't Capital Flow from Rich to Poor Countries?" *American Economic Review* 80(2), 92-96.
- Lee, R., and A. Mason. 2006. "What Is the Demographic Dividend?" *Finance & Development*. 43 (3): 16-17.

Topic 2: The Population and Development Debate

- Malthus, Thomas. 2002. *An Essay on the Principle of Population*. IndyPublish.
- Ross, Eric B. 1998. *The Malthus Factor: Poverty, Politics and Population in Capitalist Development*. First ed. Zed Books.
- Ehrlich, Paul R. 1968. *The Population Bomb*. New York: Ballantine Books.
- Simon, Julian L. 1981. *The Ultimate Resource*. Princeton Univ Pr.
- Espenshade, Thomas J., and William J. Serow. 1978. *The Economic Consequences of Slowing Population Growth*. Academic Pr.

- Chapter 2: Serow and Espenshade. *The Economics of Declining Population Growth: An Assessment of the Current Literature*.
- Goldstone, Jack A. 2010. "The New Population Bomb." *Foreign Affairs*, January/February

Topic 3: Studies and Discussions of the Debate

- Coale, Ansley, and Edgar M. Hoover. 1958. *Population Growth and Economic Development in Low-Income Countries: A Case Study of India's Prospects*. 1st ed. Princeton Univ Press.
- Coale, Ansley J. 1978. "Population Growth and Economic Development: The Case of Mexico." *Foreign Affairs* 56(2):415–429.
- Easterlin, Richard A. 1967. "Effects of Population Growth on the Economic Development of Developing Countries." *The ANNALS of the American Academy of Political and Social Science* 369(1):98–108.
- Meadows, Donella H., Jørgen Randers, and Dennis L. Meadows. 2005. *Limits to Growth: the 30-Year Update*. London: Earthscan.
- Headey, Derek D, and Andrew Hodge. 2009. "The Effect of Population Growth on Economic Growth: A Meta-Regression Analysis of the Macroeconomic Literature." *Population and Development Review* 35(2):221–248.
- The World Bank. 1984. *World Development Report 1984*. First Printing. Oxford University Press, USA.
- National Academy of Sciences (U.S.). 1971. *Rapid population growth: consequences and policy implications*. Baltimore: Published for the National Academy of Sciences by the Johns Hopkins Press.
 - Volume Summary and Recommendations
 - 1: Overview
 - 2: The Demographic Setting
 - 3: The Consequences of Rapid Population Growth
 - 4: Population Policy
 - 5: Recommendations
- Menken, Jane (ed.), *World Population and U.S. Policy: The Choices Ahead*. New York: W. W. Norton. 1986.
 - Introduction and overview: Menken, Jane
 - Chapter 3: Coale, Ansley J. *Population trends and economic development*

Topic 4: Relevance of Population in Economic Development

- Working Group on Population Growth and Economic Development, Committee on Population, National Research Council. 1986. *Population Growth and Economic Development: Policy Questions*. Washington, D.C.: The National Academies Press.

- Davis, Kingsley, Mikhail S. Bernstam, and Helen M. Sellers. 1989. *Population and Resources in a Changing World*. Stanford Univ Morrison Inst.
 - Chapter 3: Reviewed by Daly, Herman. *Population Growth and Economic Development: Policy Questions*.
- Birdsall, Nancy, Allen C. Kelley, and Steven W. Sinding. 2001. *Population Matters: Demographic Change, Economic Growth, and Poverty in the Developing World*. New York: Oxford University Press.
- Ahlburg, D. A. 2002. "Does Population Matter? A Review Essay." *Population and Development Review*. 28: 329-350.
- Menken, Jane (ed.). *World Population and U.S. Policy: The Choices Ahead*. New York: W. W. Norton. 1986.
 - Chapter 2: Preston, Samuel. *Are the Economic Consequences of Population Growth a Sound Basis for Population Policy*

Topic 5: Neutralist View in the Population Debate

- Becker, Gary S., Edward L. Glaeser, and Kevin M. Murphy. 1999. "Population and Economic Growth." *The American Economic Review* 89(2):145–149.
- Kuznets, Simon. 1967. "Population and Economic Growth." *Proceedings of the American Philosophical Society* 111(3):170–193.
- Bloom, David E., David Canning, and Jaypee Sevilla. 2003. *The Demographic Dividend: a New Perspective on the Economic Consequences of Population Change*. Santa Monica, Calif: Rand.
- Davis, Kingsley, Mikhail S. Bernstam, and Helen M. Sellers. 1989. *Population and Resources in a Changing World*. Stanford Univ Morrison Inst.
 - Chapter 1: Demeny, Paul. *Population and the Invisible Hand*.
 - Chapter 7: Demeny, Paul. *A Perspective on Long-Term Population Growth*.

Topic 6: Technology and Population Growth

- Boserup, Ester. 1981. *Population and Technological Change: A Study of Long-Term Trends*. 1st ed. The University of Chicago Press.
- Boserup, Ester. 1985. "Economic and Demographic Interrelationships in sub-Saharan Africa." *Population and Development Review* 11(3):383–397.
- Kremer, M. August 1993. "Population Growth and Technological Change: 1,000,000 B.C. to 1990," *Quarterly Journal of Economics*, 108 (3), pp. 681-716.
- Ehrlich, Paul R., and John P. Holdren. 1971. "Impact of Population Growth." *Science* 171(3977):1212 –1217.
- Davis, Kingsley. 1955. "The Origin and Growth of Urbanization in the World." *American Journal of Sociology* 60(5):429–437.
- Davis, Kingsley, and Hilda Hertz Golden. 1954. "Urbanization and the Development of Pre-Industrial Areas." *Economic Development and Cultural Change* 3(1):6–26.

- Davis, Kingsley, Mikhail S. Bernstam, and Helen M. Sellers. 1989. *Population and Resources in a Changing World*. Stanford Univ Morrison Inst.
 - Chapter 2: Keyfitz, Nathan. *Impacts of Trends in Resources, Environment and Development on Demographic Prospects*.
- Johnson, D. Gale. 1987. *Population Growth and Economic Development: Issues and Evidence*. edited by Ronald D. Lee. Univ of Wisconsin Pr.
 - Chapter 7: Jeffrey James. *Population and Technical Change in the Manufacturing Sector of Developing Countries*.

Topic 7: Fertility and Mortality in Population and Development

- Menken, Jane (ed.). 1986. *World Population and U.S. Policy: The Choices Ahead*. New York: W. W. Norton.
 - Chapter 4: Bongaarts, John. *Transition on Reproductive Behavior in the Third World*.
- Becker, Gary S. 1981. *A Treatise on the Family*. Enl. ed. Cambridge, Mass: Harvard University Press
 - Chapter 5: The Demand for Children
- Schultz, T. P. (1997), "Demand for Children in Low Income Countries," in *Handbook of Population and Family Economics*, M. Rosenzweig and O. Stark, eds.
- Galor, O., and David N. Weil. 1996. "The Gender Gap, Fertility, and Growth," *American Economic Review*, 86 (3), pp. 374-387.
- Ohlin, Göran. 1967. *Population Control and Economic Development*. Paris: Development Centre of the Organisation for Economic Co-operation and Development.
- Young, Alwyn. May 2005. "The Gift of the Dying: The Tragedy of AIDS and the Welfare of Future African Generations." *Quarterly Journal of Economics*, 120(2):423-466.
- Fortson, Jane G. 2009. "HIV/AIDS and Fertility." *American Economic Journal: Applied Economics*, 1(3): 170–94.
- Kalemli-Ozcan, Sebnem, and Belgi Turan. 2011. "HIV and Fertility Revisited." *Journal of Development Economics* 96(1): 61-65.
- Acemoglu, D., and S. Johnson. December 2007. "Disease and Development: The Effect of Life Expectancy of Economic Growth," *JPE* 115, pp. 925-85.

Topic 8: Other Topics in Population and Development

- Ahlburg, Dennis A., Allen C. Kelley, and Karen Oppenheim Mason. 1996. *The Impact of Population Growth on Well-Being in Developing Countries*. Berlin: Springer.
 - Ahlburg, Dennis. *Population Growth and Poverty*.
- Johnson, D. Gale. 1987. *Population Growth and Economic Development: Issues and Evidence*. edited by Ronald D. Lee. Univ of Wisconsin Pr.

- Chapter 4: David E. Bloom and Richard B. Freeman. *Population Growth, Labor Supply, and Employment in Developing Countries*.
- Chapter 12: Dennis A. Ahlburg. *The Impact of Population Growth on Economic Growth in Developing Nations: The Evidence from Macroeconomic-Demographic Models*.
- Chapter 13: Andrew Mason. *National Saving Rates and Population Growth: A New Model and New Evidence*
- Chapter 15: David Lam. *Distributional Issues in the Relationship Between Population Growth and Economic Development*.
- Conference on Population and Economic Change in Less Developed Countries, and Richard A. Easterlin. 1980. *Population and Economic Change in Developing Countries*. Chicago: University of Chicago Press.
 - Introduction.
 - Chapter 7: Kelley, Allen C. *Interactions of Economic and Demographic Household Behavior*.
 - Chapter 9: Lee, Ronald. *A Historical Perspective on Economic Aspects of the Population Explosion: The Case of Preindustrial England*.

Topic 9: Population Policy and Development

- Connelly, Matthew. 2008. *Fatal Misconception: The Struggle to Control World Population*. 1st ed. Belknap Press.
- May, John F. 2012. *World Population Policies: Their Origin, Evolution, and Impact*. 2012th ed. Springer.
- Caldwell, John. 2005. "Demographers' Involvement in Twentieth-Century Population Policy: Continuity or Discontinuity?" *Population Research and Policy Review* 24(4):359–385.
- Hodgson, Dennis. 1983. "Demography as Social Science and Policy Science." *Population and Development Review* 9(1):1–34.
- Demeny, Paul. 2003. "Population Policy: A Concise Summary." Population Council.
- Demeny, Paul. 1975. "Population Policy: The Role of National Governments." *Population and Development Review* 1(1):147–161.
- Demeny, Paul. 1988. "Social Science and Population Policy." *Population and Development Review* 14(3):451–479.
- Bongaarts, John. January, 2002. "Population: Ignoring its Impact," *Scientific American*, 286 (1): 67-69.
- Bongaarts, John. 1994. "Population Policy Options in the Developing World." *Science* 263(5148):771–776.
- Bongaarts, John. 2001. "Population Growth and Policy Options in the Developing World" in Per Pinstrup-Andersen and Rajul Pandya-Lorch (eds.), *The Unfinished*

Agenda: Perspectives on Overcoming Hunger, Poverty, and Environmental Degradation, Washington, D.C.: IFPRI,

Topic 10: Fertility Policy

- Walt Disney Studios. 1967. "Family Planning (Walt Disney Studios...)." *Big Cartoon DataBase (BCDB)*. (http://www.bcdb.com/cartoon_video/41708-Family_Planning.html).
- Bongaarts, John. 2010. "Fertility and Public Policy." *Concise Blackwell Encyclopedia of Sociology*, (George Ritzer and J. Michael Ryan, editors), Blackwell: Oxford.
- Bongaarts, John and Steven Sinding. 2009. "A Response to Critics of Family Planning Programs". *International Perspectives on Sexual and Reproductive Health* 35 (1), pp. 39-44.
- Tsui, Amy Ong. 2001. "Population Policies, Family Planning Programs, and Fertility: The Record." *Population and Development Review* 27:184–204.
- Pritchett, Lant H. 1994. "Desired Fertility and the Impact of Population Policies." *Population and Development Review* 20(1):1–55.
- Demeny, Paul. 1992. "Policies Seeking a Reduction of High Fertility: A Case for the Demand Side." *Population and Development Review* 18(2):321–332.
- Finkle, Jason L., and Barbara B. Crane. 1975. "The Politics of Bucharest: Population, Development, and the New International Economic Order." *Population and Development Review* 1(1):87–114.
- Cohen, Susan A. 1993. "The Road from Rio to Cairo: Toward a Common Agenda." *International Family Planning Perspectives* 19(2):61–66.
- Cohen, Susan A., and Cory L. Richards. 1994. "The Cairo Consensus: Population, Development and Women." *International Family Planning Perspectives* 20(4):150–155.
- McIntosh, C. Alison, and Jason L. Finkle. 1995. "The Cairo Conference on Population and Development: A New Paradigm?" *Population and Development Review* 21(2):223–260.
- Hartmann, Betsy. 1999. *Reproductive Rights and Wrongs (Revised Edition): The Global Politics of Population Control*. Revised. South End Press.
 - Chapter 4: The Plan Behind Family Planning
 - Chapter 7: The Population Establishment Today
 - Chapter 8: Building a "Consensus" for Cairo and Beyond
 - Chapter 15: The Light at the End of the Demographic Tunnel
 - Chapter 16: The Population Framework: Inside or Outside?

Topic 11: Case Studies

India

- See discussion in Connelly 2008
- Gwatkin, R. Davidson. 1979. "Political Will and Family Planning: The Implications of India's Emergency Experience." *Population and Development Review* 5(1):29–59.

China

- Hvistendahl, Mara. 2010. “Has China Outgrown The One-Child Policy?” *Science* 329(5998):1458–1461.
- Hartmann, Betsy. 1999. *Reproductive Rights and Wrongs (Revised Edition): The Global Politics of Population Control*. Revised. South End Press.
 - Chapter 9 China- “Gold Babies” and Disappearing Girls
- Australian Broadcasting Corporation. 2006. *China One Child Policy*. New York, NY: Filmmakers Library
- Greenhalgh, Susan. 2003. “Science, Modernity, and the Making of China’s One-Child Policy.” *Population and Development Review* 29(2):163–196.

Bangladesh

- Hartmann, Betsy. 1999. *Reproductive Rights and Wrongs (Revised Edition): The Global Politics of Population Control*. Revised. South End Press.
 - Chapter 12 Bangladesh- Survival of the Richest
- Phillips, James F., Wayne S. Stinson, Shushum Bhatia, Makhlisur Rahman, and J. Chakraborty. 1982. “The Demographic Impact of the Family Planning-Health Services Project in Matlab, Bangladesh.” *Studies in Family Planning* 13(5):131–140.
- Cleland, J. G. 1994. *The Determinants of reproductive change in Bangladesh : success in a challenging environment*. Washington, D.C: The World Bank

Other

- Hartmann, Betsy. 1999. *Reproductive Rights and Wrongs (Revised Edition): The Global Politics of Population Control*. Revised. South End Press.
 - Chapter 5: The Indonesian “Success” and the Kenyan “Failure”