

Centre for the Study of Regional Development

School of Social Sciences, JNU

RD 637:

Economic Growth, Population and Structural Change

Winter Semester 2016

M 10-11/TW 11.20-12.20

Course-in-Charges:

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Overview

This course provides an introduction to the inter-relationship between population growth and economic development.

Goals

This course will serve to introduce the various concepts of economic growth and population to the students. The interrelationship between population growth and economic development will be examined in detail. The course will also review the structural changes brought about by economic growth and the implications for the population.

Evaluation1

Total Credits: 4

Review Essay 0.5; Presentation/ Assignment 0.5; Term Paper and Viva 1; End Semester Exam 2.0

Milestones

5th February 2016

Finalisation of Topics for Review Essay

24th February 2016

Finalisation of Topics for Term Paper

21 March 2015

Submission of Review Essay

22 April 2015

Submission of Term Paper

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Course Content

1. Economic Growth and Structural Change (DKM)

1.1 Economic Growth and Development, Structural Change: Basic Concepts, Kuznets: A Contemporary Assessment: Sectoral Share in GDP and workforce, factor-share in national income and distribution of income; Inter-sectoral balance, Service Sector Growth; Growth and Structural Change in India

1.2 Population in the theories of Economic Growth: Overview of Harrod-Domar, Solow, Endogenous Growth Theories-The role of savings, capital formation, technological changes and human capital in the process of economic development. Lewis Model: Dual Economy, Surplus Labour.

2. Interrelationship between Economic Development and Population (SNG)

2.1 Economic Consequences of Population Growth: Macroeconomic Analysis-Demographic Transition, Malthusian View and Critics. Marxian views on population.

2.2 Microeconomic Foundations: Economic Theory of Family: Becker; The micro-economics of Fertility: Becker

2.3 Impact of Population Growth on Economic Development: Negative and Positive effects; Population, inequality and poverty, Population and innovation: Boserup and Simon; Demographic Dividend: Bloom

3. Employment, Education and Migration (DKM)

3.1 Economics of Labour: Age and Sex structure of Population; Dependency Rate, Labour Force Participation, Female labour supply, Recent Changes in Employment and unemployment in India, rural labour market.

3.2 Economics of Education: Investment and Returns to Education

3.2 Theories of Migration: Harris-Todaro, New Economics of Labour Migration, Migration and Development in India; Seasonal and Circular Migration

4. Population, Development and Environment (SNG)

4.1 Population growth and Production relations in agrarian economies, Relationship between landholding and fertility, Peasant labour supply, population growth, poverty and food security.

4.2 The Environmental Impact of Population, Population growth, resource availability and environmental quality.

4.3 Population Growth and Climate Change: Impact of climate change on food supply; vulnerability and adaptation to climate change

Reading List:

- Arndt, H. (1985). The Origins of Structuralism. *World Development* 13 (2).
- Arrow, K., P. Dasgupta, L. Goulder, G. Daily, P. Ehrlich, G. Heal, S. Levin, K.-G. Maler, S. Schneider, D. Starrett, and B. Walker (2004, Summer). Are we consuming too much. *Journal of Economic Perspectives* 18 (3), 147–172.
- Basu, K and Pham Hoang Van (1998) The Economics of Child Labour, *The American Economic Review*, 88 (3): 412-427.*
- Becker, G. S. (1960). An economic framework for fertility analysis. In A. Coale and T. Hoover (Eds.), *Demographic and Economic Change in Developed Countries*, pp. 209–231. Princeton University Press.
- Ben-Porath, Y. (1998) The Micro-economics of Fertility, In Demeny and McNicoll (ed)(1998).*
- Beneria, Lourdes. (1979) Reproduction, production and the sexual division of labour. *Cambridge Journal of Economics* Vol.3, No.3, pp. 203.
- Birdsall, N. 1977. Analytical Approaches to the Relationship between Population Growth and Development, *Population and Development Review*, Vol.3, No. 1-2.*
- Birdsall, N., A.C. Kelly and S. Sinding. 2000. *Population Does Matter: Demography, Growth and Poverty in the Developing World*. New York: Oxford University Press.
- Bloom, D. E. and J.G. Williamson. 1998. Demographic Transitions and Economic Miracles in Emerging Asia. *World Bank Economic Review* 12(3): 419-455.
- Bloom, D., D. Canning and P.N. Malaney. 2000. Population Dynamics and Economic Growth in Asia. *Population and Development Review*. Supplement to vol. 20: 257-289.
- Bloom, David, David Canning, and Jaypee Sevilla. *The demographic dividend: A new perspective on the economic consequences of population change*. Rand Corporation, 2003.
- Borjas, George J. (1994): The Economics of Immigration, *Journal of Economic Literature*, Vol.32, No. ,pp. 1667-1717.
- Boserup, E. 1981. *Population and Technological Change: A Study of Long-Term Trends*. Chicago: Chicago University Press.*
- Brackett, James W. (1968) The Evolution of Marxist Theories of Population, *Demography*, 5 (1):158-173.
- Brander, James A. and Steve Dowrick (1994) The role of fertility and population in economic growth, *Journal of Population Economics*, Vol. 7, No.1, pp 1-25
- Cain, M. (1985) On the Relationship between Landholding and Fertility, *Demographic Studies*, 39, pp. 5-15.*
- Cain, M. (1986) Landholding and Fertility: A Rejoinder, *Demographic Studies*, 40, 313-317.*
- Cassen, R. 1999. Population and Development Revisited. In Harriss-White, B. and S. Subramanian (Eds.) *Illfare in India: Essays on India's Social Sector in Honour of S. Guhan*. New Delhi: Sage Publications.*
- Cassen, R.H. 1978. *India: Population, Economy, Society*. London: Macmillan.
- Chenery, Hollis and T.N. Srinivasan, (Ed.) 1988. *Handbook of Development Economics, Volume:I*, North Holland, Amsterdam [Chapters: 1,7,8 and 12 and 13]*
- Coale A. J. and E.A. Hoover. 1958. *Population Growth and Economic Development in Low Income Countries*. Princeton: Princeton University Press.*
- Crook, Nigel (1997) *Principles of Population and Development*, Oxford University Press, Oxford
- Cropper, M and Charles Griffiths (1994) The Interaction of Population Growth and Environmental Quality, *The American Economic Review*, 84 (2): 250-254.

- Cuffaro, Nadia (1997), 'Population Growth and Agriculture in Poor Countries: Theoretical Issues and Empirical Evidence', *World Development*, 25(7): 1151-1163.
- Dasgupta, Partha (2003) Population, Poverty, and the Natural Environment, In: K.-G. Mäler and J. Vincent, eds, *Handbook of Environmental Economics*, Vol. I (Amsterdam: North Holland), 2003, pp. 191-247.
- Deaton, A. and C. Paxson. (2000). Growth, Demographic Structure and National Saving in Taiwan. *Population and Development Review*. Supplement to vol. 20: 141-173.*
- Demeny, P and G McNicoll (eds) (1998) *The Earthscan Reader in Population and Development*, London: Earthscan.*
- Desai, S and Cain, Mead (1981) Risk and Insurance: Perspective on fertility and Agrarian Change in India and Bangladesh, *Population and Development Review*, 7 (3): 435-474.
- Dyson, Tim, Robert Cassen and Leela Visaria, (Ed.) (2004). *Twenty-First Century India: Population, Economy, Human Development and the Environment*, OUP, Delhi*
- Ehrenberg, R. G. and R. S. Smith (2000). *Modern Labor Economics: Theory and Public Policy* (Seventh ed.). Addison Wesley.
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- Hakim, C. (2003, Sept). A new approach to explaining fertility patterns: Preference theory. *Population and Development Review* 29(3), 349–374.
- Hansen, Gary D.; Prescott, Edward C. (2002) From Malthus to Solow, *The American Economic Review*, Vol 92, No. 4, pp. 1205-1217.
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- John Laitner (2000) Structural Change and Economic Growth, *Review of Economic Studies* 67 (3), 545–561.
- Johnson, D.G. and R.D. Lee. (1987). *Population Growth and Economic Development: Issues and Evidence*. Madison: University of Wisconsin Press.
- Jolly, Carole L. (1994) Four Theories of Population Change and the Environment, *Population and Environment*, Vol.16, No. 1, pp. 61-90.
- Jones, Charles I. (1998) *Introduction to Economic Growth*, WW Norton & Co., New York
- Katz, J. (2000). Structural Change and Labour Productivity Growth in Latin American Manufacturing Industries 1970-96. *World Development* 28(9).
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- Kelly, Allan C. (1988) Economic Consequences of Population Change in the Third World, *Journal of Economic Literature*, Vol. 36, No. 4.
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- Krishnaji, N (1992) *Pauperising Agriculture: Studies in Agrarian Change and Demographic Structure*, Delhi: Oxford University Press (Chapters 7-11).*
- Kuznets, S. (1966). *Modern Economic Growth*. Connecticut: New Haven.*
- Lee, R. D. (2003, Fall). The demographic transition: Three centuries of fundamental change. *Journal of Economic Perspectives*, 17 (4), 167–190.
- Lee, R.D. (1986). Malthus and Boserup: A Dynamic Synthesis. In D. Coleman and R. Schofield (Eds.) *The State of Population Theory: Forward from Malthus*. Oxford: Basil Blackwell.
- Lee, Ronald (2003) The Demographic Transition: Three Centuries of Fundamental Change, *Journal of Economic Perspectives*, 17(4): 167–190.
- Lee, Ronald D. et al (eds) (1988) *Population, Food and Rural Development*, Oxford University Press, Oxford (Chapters 3, 4, 5)*
- Leff, N.H. (1969). Dependency Rates and Savings Rates. *American Economic Review*. 59(5): 886-896.
- Lewis, W. A. (1954). Economic Development with Unlimited Supplies of Labour. *The Manchester School*. May.
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- Lucas, R. E. B. (1997). Internal migration in developing countries. In M. R. Rosenzweig and O. Stark (Eds.), *Handbook of Population and Family Economics*, Volume 1, Chapter 13. North Holland.
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- Nagaraj, K. (1999). Labour Market Characteristics and Employment Generation Programmes in India. In Harriss-White, B. and S. Subramanian (Eds.) *Illfare in India: Essays on India's Social Sector in Honour of S. Guhan*. New Delhi: Sage Publications.
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- Ray, Debraj (1998) *Development Economics*, Oxford University Press, Oxford*
- Robinson, W C. (1997). The Economic Theory of Fertility over Three Decades, *Population Studies*, 51, pp. 63-74.
- Rosenzweig, Cynthia, and Martin L. Parry. (1994) "Potential impact of climate change on world food supply." *Nature* 367.6459: 133-138.
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- Schultz, T. P. (1997). The demand for children in low income countries. In M. R. Rosenzweig and O. Stark (Eds.), *Handbook of Population and Family Economics*, Volume 1, Chapter 8. North Holland.
- Shiva Kumar, A K, P Panda and R R Ved (ed) (2010). *Oxford Handbook of Population and Development in India*, OUP, Delhi*.
- Simon, J.L. (1977). *Economics of Population Growth*. Princeton: Princeton University Press.*
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Srivastava, Ravi S (2011) Internal Migration in India: An overview of its features, trends and policy challenges, National Workshop on Internal Migration and Human Development in India, UNICEF and ICSSR, New Delhi.

Stark, O and D Bloom (1985) The New Economics of Labour Migration, *American Economic Review*, 75: 173-178.

Stokes, Shannon C. *et al.* (1986) Is the Relationships between Landholding and Fertility Spurious? A Response to Cain, *Demographic Studies*, 40, 305-311.*

Turchi, Boone .,(1975) A Microeconomic Theories of Fertility: A Critique, *Social Forces*, Vol. 54, No. 1, pp. 107-125.

(Reading list will be updated in the class)