

Global Demographic Processes

Moscow State University

Spring 2017

Professor Andrey Korotayev 32 hours

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Course description

This course gives students a foundation for researching and understanding historical, contemporary, and future global demographic processes. Topics include the global demographic transition, mathematical models of the World System demographic development, demographic dynamics of pre-Industrial societies and the “Malthusian Trap” theory, escape from the Malthusian Trap, “a trap at the escape from the Trap” theory and its application to the study of the Arab Spring events, global migration processes, risks of overpopulation in the least developed countries, demographic dividend of the emergent markets, demographic problems of the most developed countries, forecasts of the global demographic future. A special attention will be paid to the study of the correlation between the phase of the global demographic transition and the phases of Great Divergence/Great Convergence. Students will be exposed to the basics of demographic theory as well as basics of mathematical modeling of global demographic processes.

Learning Outcomes

Upon completing this course, students should be able to achieve the Course Learning Outcomes listed below:

Number	Course Learning Outcome (CLO)
1	Describe the trends, factors and mechanisms of the global demographic dynamics before the early 1970s.
2	Understand the global demographic transition in conjunction with trends, factors, mechanisms, and perspectives of the global demographic dynamics after the early 1970s.
3	Analyze the impacts of global demographic transition on the global economic development.
4	Identify the demographic problems that the World System will face in the forthcoming decades.

Assessment

Participation: 20%

Written examination: 40%

Oral examination: 40%

Readings

Required

von Foerster H., Mora P., Amiot L. Doomsday: Friday, 13 November, A.D. 2026 // *Science*. 1960. Vol. 132. P. 1291–1295.

Korotayev A., Malkov A., Khaltourina D. Introduction to Social Macrodynamics: Compact Macromodels of the World System Growth. Moscow: KomKniga/URSS, 2006.

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Korotayev A., Khaltourina D. Introduction to Social Macrodynamics: Secular Cycles and Millennial Trends in Africa. Moscow: KomKniga/URSS, 2006.

Korotayev A. V., Grinin L. E. Global Urbanization and Political Development of the World System // *Globalistics and Globalization Studies* / Ed. by L. Grinin, I. Ilyin, and A. Korotayev. Moscow – Volgograd: Moscow University – Uchitel, 2012. P. 28–78.

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Korotayev A., Zinkina J. Egyptian Revolution: A Demographic Structural Analysis. *Middle East Studies Journal* 2/5 (2011): 57–95.

Korotayev A., Zinkina J., Kobzeva S., Bogevolnov J., Khaltourina D., Malkov A., Malkov S. A Trap at the Escape from the Trap? Demographic-Structural Factors of Political Instability in Modern Africa and West Asia // *Cliodynamics: The Journal of Theoretical and Mathematical History* 2/2 (2011): 276–303.

Kremer M. Population Growth and Technological Change: One Million B.C. to 1990 // *The Quarterly Journal of Economics*. 1993. Vol. 108. P. 681–716.

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Additional

Biraben J.-N. An Essay Concerning Mankind's Evolution // *Population*. 1980. Vol. 4. P. 1–13.

Boserup E. The Conditions of Agricultural Growth: The Economics of Agrarian Change under Population Pressure. Chicago, IL: Aldine, 1965.

Chu C. Y. C., Lee R. D. Famine, Revolt, and the Dynastic Cycle: Population Dynamics in Historic China // *Journal of Population Economics*. 1994. Vol. 7. P. 351–378.

Diamond J. Guns, Germs, and Steel: The Fates of Human Societies. New York, NY: Norton, 1999.

Dols M. W. The Black Death in the Middle East. Princeton, NJ: Princeton University Press, 1977.

Durand J. D. The Population Statistics of China, A.D. 2–1953 // *Population Studies*. 1960. Vol. 13. P. 209–256.

Huang P. C. C. Development or Involution in Eighteenth-Century Britain and China? // *The Journal of Asian Studies*. 2002. Vol. 61. P. 501–538.

Ibn Khaldūn, `Abd al-Rahman. The Muqaddimah: An Introduction to History, translated from the Arabic by Franz Rosenthal. New York, NY: Pantheon Books, 1958 (Bollingen Series. Vol. 43).

Komlos J., Nefedov S. A Compact Macromodel of Pre-Industrial Population Growth // *Historical Methods*. 2002. Vol. 35. P. 92–94.

Maddison A. Monitoring the World Economy: A Millennial Perspective. Paris: OECD. 2001.

Nefedov S. A. A Model of Demographic Cycles in Traditional Societies: The Case of Ancient China // *Social Evolution & History*. 2004. Vol. 3. # 1. P. 69–80.

Turchin P. Historical Dynamics: Why States Rise and Fall. Princeton, NJ: Princeton University Press. 2003.

Usher D. The Dynastic Cycle and the Stationary State // *The American Economic Review*. 1989. Vol. 79. P. 1031–1044.