

COURSE REQUIREMENTS AND EXPECTATIONS

Economics 466 – Economics of Population – Winter 2018

Professor Elyce J. Rotella

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Office Hours: Wednesdays 10:30-11:30, Thursdays 3:00-4:00, and BY APPOINTMENT

Class Meetings: Mondays and Wednesdays: 2:30 – 4:00 in G378 DENT.

COMMUNICATIONS Check Canvas regularly for assignments, information and announcements. Most information will be found on Canvas under “Modules”.

ASSIGNMENTS

1. Seven homework assignments

Eight homework assignments will be distributed during the term. You will receive credit for **7** homework assignments. If you turn in all **8** assignments, your **7** highest grades will be used in computing your course grade. If you turn in fewer than **7**, your grades for the ones you do not turn in will be zero. *Late homework assignments will not be accepted under any circumstances.*

2. Three in-class quizzes

Four in-class quizzes will be administered during the term. **DATES FOR QUIZZES WILL NOT BE ANNOUNCED IN ADVANCE.** You will receive credit for 3 quizzes. If you take all 4 quizzes, your 3 highest grades will be used in computing your course grade. If you take fewer than 3, your grades for the ones you do not take will be zero. *There will be NO make-up quizzes under any circumstances. Quizzes are given at the beginning of class. If you arrive late on a quiz day, you will not be given additional time to complete the quiz.*

3. Reading assignments. Reading assignments are listed on the Course Outline and Reading List that follows. Additional reading assignments will be made during the term. Read the assignments *before* coming to class.

ATTENDANCE AND CLASS PARTICIPATION

“Eighty percent of success is showing up.” – Woody Allen

Regular and prompt attendance at all class meetings is required.

If you must miss a class, you are responsible for getting notes/information from classmates.

You are required to be an active and courteous participant. Students are encouraged to raise questions and offer analyses during class meetings. The following behaviors are discourteous and are not permitted: arriving late or leaving early, eating, sleeping, reading non-class materials, talking when your silent attention has been requested by the instructor, using any electronic devices.

NO ELECTRONIC DEVICE POLICY: This means no laptops, no tablets, and no phones in the classroom. Such devices must be turned off and stored where no one can see them. To understand the economic reasons for this policy read the article by UM economist, Susan Dynarski: “Laptops Are Great, But Not During a Lecture or a Meeting” (Click on article title.)

EXAMINATIONS

We will have two midterm examinations and a final examination. Exams may include short essay and long essay questions, problems, and multiple choice questions. Dates of examinations:

Midterm Examination One: Wednesday, February 7

Midterm Examination Two: Monday, March 19

Final Examination: Monday, April 23, 1:30 – 3:30 pm

Note: All exams in this course are comprehensive over all material covered up to the exam dates. EXAMS WILL NOT BE ADMINISTERED ON OTHER DATES. THERE ARE NO MAKE-UP EXAMS.

PREREQUISITE

Students enrolled in this course are required to have successfully completed a course in Intermediate Microeconomic Theory (Economics 401 or its equivalent).

GRADES

Grades for the course will be based on performance on homework assignments, quizzes and examinations. The final grade will be computed according to the following weighing scheme:

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| 21% | 7 homework assignments @ 3% each |
| 12% | 3 quizzes @ 4% each |
| 40% | 2 midterm examinations @ 20% each |
| <u>27%</u> | <u>comprehensive final examination</u> |
| 100% | |

SPECIAL ACCOMODATIONS

If you have SSD verification for special accommodations for test-taking , note-taking, or otherwise, let Professor Rotella know SOON. Submit your documentation by email (electronic submission makes sure nothing gets lost). It takes time to make arrangements, so submit your request and documentation by January 24 at the latest.

This course adheres to the Department of Economics' policies on academic integrity, graded assignments and religious holidays. See <https://lsa.umich.edu/econ/undergraduates/policies-and-procedures.html>

NOTE

I will be happy to help you with any problems you have with this class. If you find that you have trouble understanding something, come to see me before you are hopelessly lost. Do not be shy about raising questions in class. If you don't understand something, it is likely that others are in the same predicament. Remember that the teacher must rely on students to provide feedback in order to know if the material has been understood.

Best wishes for a successful semester,
Professor Elyce Rotella

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| <p><u>REMEMBER:</u> This class has NO provisions for make-up examinations or quizzes, late assignments, or extra credit work.</p> |
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COURSE OUTLINE AND READING LIST

The following books are available for purchase:

Jennifer Hickey Lundquist, Douglas L. Anderton, and David Yaukey [hereafter LAY]
Demography: The Study of Human Population. 4th edition, Waveland Press, 2015
BE SURE TO GET THE 4th EDITION.

Note: The LAY textbook has a helpful website at <http://www.demographytextbook.com>
 Be sure to check it out – especially the Links tab which will lead you to data sources and reports, many of which are referenced in the textbook.

Louis P. Cain and Donald G. Paterson [hereafter C&P]
The Children of Eve: Population and Well-being in History. Wiley-Blackwell, 2012

All other assigned readings will be posted on Canvas (Modules).

Some reading assignments may change and additional reading assignments will be added during the semester

I. Overview of course

Historical Patterns of Demographic and Economic Change

January 3 and 8 (Days 1 and 2)

1. LAY, Chapters 1 and 2
2. C&P, Chapters 1 and 2
3. Ronald Lee, “The Demographic Transition: Three Centuries of Fundamental Change,” *Journal of Economic Perspectives*, 17(4) Fall 2003: 167-180 (Note: remainder of paper will be read later.)

II. The Past, Present, and Future of World Population

January 10 and 17 (Days 3 and 4)

1. LAY, Chapter 3
2. C&P, Chapter 2
3. David Lam, “How the World Survived the Population Bomb: Lessons From 50 Years of Extraordinary Demographic History,” *Demography* 48:8 (2011) 1231-1262
4. Ester Boserup, Entries from *Encyclopedia of Population*, 2006
5. Ron Lesthaeghe, “The second demographic transition: A concise overview of its development,” *Proceedings of the National Academy of Sciences*, Dec. 23, 2014
6. (recommended) T. Paul Schultz “Preindustrial Equilibrium: A Malthusian Perspective,” chapter 2 of *Economics of Population*, (Addison-Wesley, 1981) 9-33

III. All broken down by age and sex. Population aging.

January 22 and 24 (Days 5 and 6)

1. LAY, Chapter 4
2. C&P, pages 43-45
3. Ronald Lee, "The Demographic Transition: Three Centuries of Fundamental Change," *Journal of Economic Perspectives*, 17(4) Fall 2003: 180-187 (Note: Pages 167-180 were read earlier.)
4. Ronald Lee, "How Population Aging Affects the Macroeconomy" Prepared for Federal Reserve Jackson Hole Economic Policy Symposium, August 2014
5. (recommended) David N. Weil, "Population Aging, *New Palgrave Dictionary of Economics*, 2nd edition (2008) Available online through Mirlyn

IV. Mortality

January 29 and 31, and February 5 (Days 6, 8, and 9)

1. LAY, Chapter 5
2. C&P, Chapters 3 and 10
3. David N. Cutler, A. Deaton, and A. Lleras-Muney, "The Determinants of Mortality," *Journal of Economic Perspectives* 20(3) 2006: 97-120
4. Louis P. Cain and Elyce Rotella, "Death and Spending: Urban Mortality and Municipal Expenditures on Sanitation." *Annales de Demographie Historique* 2001-1 139-154
5. Gina Kolata, "Death Rates Rising for Middle-Ages White Americans, Study Finds," New York Times, Nov 2, 2015
(recommended) Complete article: Anne Case and Angus Deaton, "Rising morbidity and mortality in non-Hispanic Americans in the 21st Century," *Proceedings of the National Academy of Sciences*, 2015
6. Anne Case and Angus Deaton, "Mortality and Morbidity in the 21st Century," *Brookings Papers on Economic Activity*, March 23, 2017 (brief summary of article that updates findings in Kolata article above)
(recommended) Complete article: Anne Case and Angus Deaton, "Mortality and Morbidity in the 21st Century," *Brookings Papers on Economic Activity*, March 23, 2017. Complete Case-Deaton 2017 article.
7. Jim Oeppen and James W. Vaupel, "Broken Limits to Life Expectancy," *Science* 296(5570) May 10, 2002: 1029-1030
8. Stephen Richards, "The Limits of Limits," *Longevity* 2017 (recent comment on Oeppen-Vaupel article above)

Wednesday, February 7 EXAMINATION ONE

V. Morbidity and Health

February 12 and 14 (Days 11 and 12)

1. LAY, Chapter 6
2. C&P, Chapter 8
3. Christopher Von Rueden, "How Social Status Affects Your Health," *New York Times*, Dec. 14-2014
4. James P. Smith, "Unraveling the SES-Health Connection," *Population and Development Review*, 30, 2004: 108-132
5. Michael Marmot, "Social Determinants of Health Disparities," *The Lancet*, v 365, March 19, 2005, 1099-1104
6. Timothy Cuff, "Historical Anthropometrics," EH.Net Online Encyclopedia (2004)

VI. Migration and Urbanization

February 19 and 21, and March 5 (Days 13, 14, and 15)

1. LAY, Chapters 9 and 10
2. C&P, Chapters 5 and 6
3. National Academies of Sciences, Engineering and Medicine, "The Economic and Fiscal Consequences of Immigration," Sept. 22, 2016. Minimum required: Report Highlights
4. (recommended) Michael A. Clemens, "Economics and Emigration: Trillion Dollar Bills on the Sidewalk?" *Journal of Economic Perspectives*, Summer 2011 25(3) 83-106

VII. Marriage, Unions and Householding

March 7 and 12 and 14 (Days 16, 17, and 18)

1. LAY, Chapter 8
2. C&P, pages 106-115 and Chapter 7
3. Betsey Stevenson and Justin Wolfers, "Marriage and Divorce: Changes and their Driving Forces," *Journal of Economic Perspectives*, Spring 2007, 21(2) 27-52
4. Saul D. Hoffman and Susan L. Averett, "Marriage and the Family – An Economic Approach," chapter 3 of *Women and the Economy: Family, Work, and Pay*, 3rd edition (2016), 39-75
5. Ron Lesthaeghe, "The second demographic transition" Previously read for section II.
6. (recommended) Gary S. Becker, "The Evolution of the Family," chapter 11 of *A Treatise on the Family* (Harvard University Press, 1981) 237-256

Monday, March 19

EXAMINATION TWO

VIII. Fertility

A. Measuring fertility. Variation in fertility and change over time.

March 21 (Day 20)

1. LAY, Chapter 7, pages 219-235
2. C&P, Chapter 4
3. Saul D. Hoffman and Susan L. Averett, “The Economics of Fertility,” chapter 5 of *Women and the Economy: Family, Work, and Pay*, 3rd edition (2016), pp 104-110 (Rest of chapter will be read for the next section.)

B. Modeling fertility behavior

March 26 and 28 (Days 21 and 22)

1. Saul D. Hoffman and Susan L. Averett, “The Economics of Fertility,” chapter 5 of *Women and the Economy: Family, Work, and Pay*, 3rd edition (2016), pp 110-128.
2. (recommended) Saul D. Hoffman and Susan L. Averett, “The Economics of Fertility: Applications and Extensions” chapter 6 of *Women and the Economy: Family, Work, and Pay*, 3rd edition (2016), pp 129-156
3. LAY, Chapter 7, pages 235-265
4. C&P, Chapter 4
5. Richard A. Easterlin, “The American Population,” chapter 5 of *American Economic Growth: An Economist’s History of the United States* by Davis, Easterlin and Parker, et al, (Harper & Row, 1972), pp. 158-161. (Rest of selection will be read for next section.)
6. (recommended) Gary S. Becker, “The Demand for Children,” chapter 5 of *A Treatise on the Family* (Harvard University Press, 1981) pp. 93-112

C. Long run fertility decline in the U.S. and other more developed countries The economics of the baby boom and baby bust

April 2 and 4 (Days 23 and 24)

1. LAY, Chapter 7, pages 236-244
2. C&P, Chapter 9
3. Richard A. Easterlin, “The American Population,” chapter 5 of *American Economic Growth: An Economist’s History of the United States* by Davis, Easterlin and Parker, et al, (Harper & Row, 1972), pp. 161-168
4. Richard A. Easterlin, *Birth and Fortune: The Impact of Numbers on Personal Welfare*, 2nd edition (Chicago University Press, 1987) chapter 3 “Marriage and Childbearing” pp 37-59

5. James Fevrier, Bruce Sacerdote, and Ariel Dora Stern, “Will the Stork Return to Europe and Japan? Understanding Fertility within Developed Nations,” *Journal of Economic Perspectives*, Summer 2008, 22(3) 3-22
6. (recommended) Pew Research Center, The New Demography of American Motherhood,” August 19, 2010
7. (recommended) Joseph Hotz, Jacob Alex Klerman and Robert J. Willis, “The Economics of Fertility in Developed Countries,” chapter 7 of *Handbook of Population and Family Economics*, volume 1A, Mark R. Rosenzweig and Oded Stark, eds. (Elsevier North-Holland, 1997) pp. 275-291

D. Changes in women’s economic behavior – labor force participation, education, earnings and fertility

April 9 and 11 (Days 25 and 26)

1. Claudia Goldin, “The Quiet Revolution” That Transformed Women’s Employment, Education, and Family,” (Ely Lecture) *American Economic Review, Papers and Proceedings*, (May 2006) pp 1-21
2. Claudia Goldin and Lawrence F. Katz, “The Power of the Pill: Oral Contraceptives and Women’s Career and Marriage Decisions” *Journal of Political Economy*, 110:4 (2006) pp 730-770

E. Summing up and looking ahead

April 16 (Day 27)

Come to class prepared to make predictions about future population changes and economic-demographic interrelations in the future. Base your predictions on the theories and facts you have learned in this course.

Monday, April 23 1:30 – 3:30 pm
FINAL EXAMINATION