

Econ 342: Urban Economics

Hamilton College

Spring, 2022

SYLLABUS

TIME & LOCATION

Tuesdays & Thursdays 2:30-3:45 PM in KJ-102

INSTRUCTOR

Mo Alloush [He/Him/His]

mismaila@hamilton.edu or malloush@hamilton.edu

Office Location: KJ-218

Office Hours: Mondays 2:30-4:00 PM; Wednesdays 10 AM - noon

If you cannot make it during these times, email me and we can schedule an appointment.

ADDITIONAL ASSISTANCE

Maura Smith, *Student Teaching Assistant*

Ahra Wu, *LITS Data Specialist*,

COURSE DESCRIPTION

Traditional economic models are spaceless. Yet it is obvious from our daily lives that location matters in our everyday choices for a myriad of reasons—most importantly that space, itself, is a scarce resource. This course integrates space into economics models and focuses on the role that location plays in the decision-making of firms and households. We use these models to first answer important big-picture questions such as why do cities form? Why do people choose to live in cities? Are cities too big? What determines the economic growth of a city? Which policies can alter the size and shape of a city?

We will then address a second set of questions that pertain to location within cities and regions such as: Why do businesses choose to agglomerate? What explains the trends in rural to urban migration that we observe happening all over the world? Why is there geographical variation in poverty and individual well-being? How is the price of land determined? What is special about the housing and land market?

Economics offers rigorous tools to answer these questions. After exploring the literature on these topics, we will analyze the economic challenges that arise because we are living in cities. We will focus on many specific urban economic issues such as provision of public goods, poverty and inequality, transportation, crime, housing discrimination and policy, education, unequal access to services, and local government economics. Along the way, we will study ways in which we can address some of these important problems and how to design effective and inclusive urban policy.

The course will be mainly focused on urban issues in the U.S. but it will touch on urbanization around the world and in developing countries specifically and the role that urbanization and cities play in aggregate economic development.

Prerequisites: The course formally requires that you have had at least an introductory course in microeconomics (such as Econ 100), however completing courses such as Econ 166 and Econ 265 (Economic Statistics) is encouraged prior to taking this course. I will assume that you are familiar with basic concepts from consumer and producer economics (production functions, utility, cost curves, diminishing marginal product, etc.) as well as basic statistical concepts (mean, variance, standard deviation, etc.). The course will be issue oriented but will make rigorous use of the tools and techniques of applied economic analysis. Familiarity with basic Excel functions is recommended as several problem sets will require Excel use.

Learning Objectives: This course contributes to Hamilton’s educational goals of intellectual curiosity and flexibility, analytical discernment, disciplinary practice, creativity, communication and expression, and also ethical, informed and engaged citizenship. By the end of this semester, you will:

1. Understand economic theories related to urban economics and the main issues around the importance of location. This will allow you to:
 - a. Identify the factors that have driven the growth and decline of cities and that drive it today.
 - b. Recognize the advantages and disadvantages of spatially concentrating people and economic activity.
 - c. Evaluate who wins and who loses from policies that encourage local economic growth.
 - d. Examine the environmental costs of urbanization and suburbanization while recognizing the potential benefits.
 - e. Analyze the causes, consequences, and costs of segregation in metropolitan areas.
 - f. Identify challenges facing cities in the future and how cities can manage them.
 - g. Write clear economic arguments advocating for policies to address such challenges as urban poverty, racial segregation, disease, mass transit issues, and crime.
2. Be aware of where the field of urban economics currently is, the direction it is going, and how it is shaping urban and regional policy in the US and around the world.
3. Be able to apply these concepts verbally, graphically, and mathematically in order to analyze complex real-world issues.

Textbook: The required textbook for this course is *Urban Economics*, Ninth Edition (2018) by A. O’ Sullivan. I will also assign readings from *City Economics* (2005) by Brendan O’Flaherty (chapters will be posted on Blackboard). We will draw on a range of additional material including journal articles from economics and sociology. All additional material will be available for download on the course website.

If you are interested in learning more about urban economics, you are encouraged (but **not required**¹) to read one (or more!) of the following books on urban economics and challenges faced in urban areas in both the U.S. and around the World:

Triumph of the City (Edward Glasear)
The Death and Life of Great American Cities (Jane Jacobs)
Makeshift Metropolis: Ideas about Cities (Witold Rybczynski)
Behind the Beautiful Forevers (by Katherine Boo)
Who’s Your City? (Richard Florida)
Evicted (by Matthew Desmond)
The Environmental Advantages of Cities (William Meyer)

¹ These will not be tested: I chose to list these books because they helped shape my understanding of urban economics; I want this list to be a resource for you if you are interested in reading more on these topics.

COURSE FORMAT

A weekly course outline begins on Page 6. Learning any material well requires active engagement. I would like you to view me as a facilitator of your learning process: In class, I will explain new concepts, discuss important points, and add context to the assigned material. Importantly, I want you to view the class as an ongoing informed and engaged discussion with me and your classmates.

Familiarize yourself with the information in the assigned readings *prior* to class. Engagement with the material during class will reinforce your learning. If something is unclear or you need additional help, please ask, in lecture, labs, or my office hours.

This course is a 15-week semester-long course yet it will move at an accelerated pace. It is important to keep up with the readings and materials. The assignments, labs, participation grade, midterms, papers, and final are all designed to incentivize and reinforce your learning.

In-class engagement is critical to learning. I will frequently ask questions and encourage students to answer them. Active discussion will be a normal part of classroom lectures. If you'd like to participate in class, you can do so by: (1) raising your hand or (2) checking your phone.

Blackboard: You will access course materials, readings, and other information via the course Blackboard website. Visit the site often. I will use Blackboard to record your grades in the class. It is your responsibility to verify that these scores are properly recorded.

Gradescope: We will be using Gradescope for submitting your assignments. Make sure to register and sign up for this class. Make sure you know how to use this feature. You may download apps (see https://cs.stanford.edu/~ermon/cs228/submitting_hw_guide.pdf) to your phone that will allow you to easily create pdfs to upload your written material. You should also learn to use the equation editor on Microsoft Word or google docs.

Grading: Your grade in this course will be based on total points earned and weighted as follows:

Attendance and Participation	3%
Online Quizzes (6)	12%
Assignments (4)	15%
Midterm Exam	20%
Program Proposal & Presentation	20%
Comprehensive Final Exam	30%

Participation: I expect you **to attend all classes**. When in class, I expect you do contribute to the discussion, answer my questions, and ask informed ones. Your participation grade will be based on the quality of your in-class comments as well as the quality of the feedback you give to your fellow students during and after their program proposal presentations.

Online Quizzes: Nearly every other week you will complete a quiz on Blackboard that covers the material from the last two weeks' classes. These **quizzes must be completed via Blackboard by on its due date by 11:59 PM** and will not be accepted late. I will drop your lowest quiz score when calculating your final grade.

Assignments: Four assignments will be due on the dates indicated in the course schedule below. The description and the data for the exercises will be available on Blackboard. Answers to the assignments must be typed and submitted individually. Handwritten assignments **WILL NOT BE ACCEPTED**. I take writing very seriously and expect you to approach your homework assignments like a professional report. Points will be taken off for incomplete or unclear sentences. Assignments will require you to present and discuss graphs.

Small Scale Program Proposal: In the latter half of the semester, you will work in groups of up to three students to prepare a proposal for an innovative small-scale pilot program. You will use concepts from the class to make a compelling case for your proposed program that aims to address one of the main challenges faced in an urban setting of your choosing.

Effective proposals must do more than just drop terms from class into the text; they must demonstrate creativity and a strong understanding of the concepts covered in class. Your proposed program should address one (or more) of the difficulties that urban areas or the people living in these areas face and should have an impact evaluation plan. The proposal should be no more than 5 pages long. You can find more instructions on page 10 of the syllabus. I will dedicate time at the end of the semester for group presentations. This exercise requires creativity, teamwork, and effective communication – important skills that I will help you refine throughout this project.

COURSE POLICIES

Late Work: Over the course of the semester, you will turn in several assignments (problem sets and lab workflows and papers). Each student is allowed **one** two-day grace period to be used over the course of the semester when circumstances make it difficult to turn in an assignment on time. This will allow you to turn in one assignment as late as 48 hours after it is due without penalty. ***This option cannot be exercised on exams.***

Once you have exercised this option, you will be penalized 10 percentage points on your assignment for every 12 hour interval that the work is late—once an answer key is uploaded to Blackboard (usually 48-72 hours after due date), I will not accept assignments anymore. You have a 10 minute grace period for technical difficulties. If I indicate an assignment is due at 8:00 PM, if you submit anytime between 8:11 PM and 8:10 AM, you will be penalized 10 points. If you submit between 8:11 AM and 8:10 PM, the penalty will be 20 points...

Staying in Touch: Please check your e-mail frequently. Over the course of the semester, I will send e-mails about course material and assignments. In addition, course assignments are posted on the course's Blackboard page. Should you miss a class **for any reason**, you are responsible for checking this page for any new assignments posted and turning in that assignment on the scheduled due date.

Regrade Policy: All requests must be submitted within one week of receiving the grade back in the form of your original work and a written explanation of why you believe your assignment/exam should be regraded. If you submit a regrade request, **your whole exam/problem set will be subject to regrade.**

COURSE MISCELLANEOUS

Code of Academic Conduct: Students are expected to understand and abide by the Hamilton College Honor Code (<https://www.hamilton.edu/student-handbook/studentconduct/honor-code>). Any violations of this Code will be treated seriously.

You are expected to do your **own academic work**: failing to do so is **scholastic dishonesty**. Scholastic dishonesty includes cheating on examinations or assignments; copying assignments from old answer keys; engaging in unauthorized collaboration on academic work; plagiarizing; taking, acquiring, or using test materials without faculty permission; falsifying records to dishonestly obtain grades; fabricating or falsifying data or data analysis results.

If you have additional questions about what would constitute scholastic dishonesty in the context of this class, please ask me.

Disabilities: Hamilton College will make reasonable accommodations for students with properly documented disabilities. If you have a learning or a physical disability that requires accommodation,

please meet with me during the first two weeks of class. All discussions will remain confidential. You will need to contact Allen Harrison in the Dean of Students Office (Elihu Root House; ext 4021) who coordinates services for students with disabilities.

Inclusive Classroom: Hamilton College is a diverse community comprised of individuals having many perspectives and identities. In order to create an inclusive and intellectually vibrant community, we must understand and value individual differences and common ground. The Hamilton College Guiding Principles (<https://www.hamilton.edu/student-handbook/studentconduct>) reflect the ideals I seek to uphold in this class.

It is my goal to foster an inclusive learning environment that supports a diversity of thought, experience, and honors your identities (including race, gender, class, sexuality, religion, ability, etc.). All people have the right to be addressed and referred to in accordance with their personal identity. If you have a name and/or set of pronouns that differ from your official Hamilton records, please let me know. Also, I, like many, am still learning about diverse perspectives and identities. If something was said in class (by anyone) that made you feel uncomfortable, please come talk to me about it.

Courtesy: As a courtesy to your fellow students and me, be respectful. Be on time for class. If you arrive late or leave early, please do so quietly. Do not use your cell phones, tablets, or laptops during lecture other than for class purposes. You may not take pictures of my notes or otherwise take recordings during class—I expect and encourage you to write down your own notes.

Mental Health & Stress Management: Especially in these unusual times living through a global pandemic, as a student you may experience a range of issues that can cause barriers to learning. This includes strained relationships, increased anxiety, alcohol/drug problems, feeling down, difficulty concentrating and/or lack of motivation. These mental health concerns or stressful events may lead to diminished academic performance and may reduce your ability to participate in daily activities. The source of symptoms might be strictly related to your course work; if so, please speak with me.

If at any time you feel overwhelmed, anxious, depressed, or in danger of harming yourself or others, please reach out for support. It is important to know that Hamilton College community cares and has services that are available to assist you. Campus Safety (315-859-4000) or the Counseling Center (315-859-4340 option 2) has people available 24/7. You can also contact: Associate Dean of Students, Lorna Chase (315-859-4600), Associate Dean of Students, Tara McKee (315-859-4600), your faculty advisor, your RA, or Area Director in your residence hall.

Learn more about the broad range of confidential psychological care services available on campus via the Hamilton College Counseling Center website. The College provides confidential and free psychological services to help you manage personal challenges that may threaten your well-being.

In the event that I suspect you need additional support, I will express my concerns and the reasons for them to you, and remind you of resources that might be helpful to you.

Getting help is a smart, often difficult, and always courageous thing to do.

COURSE SCHEDULE

This sketch of topics, readings and assignments may change slightly as we proceed. Readings are from the O’ Sullivan (9th edition) textbook unless otherwise specified. Readings not in the textbook are available on the course website. Required readings are designated by *. You are highly encouraged to read the introductions and conclusions of the other listed readings.

Week	Topics & Readings	Assignments
1 01/20	Introduction to Urban Economics & Course Overview *Ch.1 “Introduction” *Glaeser, Edward L. (1996). Why Economists Still Like Cities. <i>City Journal</i>	
2 01/25 & 01/27	Location Matters *Ch.2 “Key Concepts of Urban Economics?” *Ch.3 “Trading and Factory Towns?” •Carlino, Gerald (2011). Three Keys to the City: Resources, Agglomeration, and Sorting. <i>Business Review</i> . •Elison, Glenn & Edward L. Glaeser (1999). The Geographic Concentration of Industry: Does Natural Advantage Explain Agglomeration? <i>American Economic Review</i> .	Assignment 1 distributed Online Quiz #1
3 02/01 & 02/03	Cities: Why & Where? *Ch.4 “Agglomeration Economies” *Ch.5 “Where do Cities Develop?” •Moretti, Enrico (2004). Human Capital Externalities in Cities. <i>Handbook of Urban Economics</i>	Assignment 1 due 01/04
4 02/08 & 02/10	City Size, Growth, & Urban Labor Markets *Ch.6 “Consumer Cities and Central Places” *Ch.7 “Cities in a Regional Economy” •Glaeser, Edward L., Jed Kolko, and Albert Saiz (2001). Consumer City. <i>Journal of Economic Geography</i> .	Assignment 2 distributed Online Quiz #2
5 02/15 & 02/17	Land Use and Land Rent *Ch.8 “The Urban Labor Market” *Ch.10 “Land Rent and Manufacturing Land” •Burchfield, Marcy, Henry G. Overman, Diego Puga, and Matthew A. Turner (2006). Causes of sprawl: A portrait from space. <i>The Quarterly Journal of Economics</i>	Assignment 2 due 02/18

<p>6</p> <p>02/22 & 02/24</p>	<p>Housing & Spatial Distribution</p> <p>*Ch.11 “Office Space and Tall Buildings”</p> <ul style="list-style-type: none"> •Kahn, Matthew (2000). The environmental impact of suburbanization. <i>Journal of Policy Analysis and Management</i> <p style="text-align: right;">Online Quiz #3</p>
<p>7</p> <p>03/01 & 03/03</p>	<p>Urban General Equilibrium & Midterm</p> <p>*Ch.12 “Housing Prices and Residential Land Use”</p> <ul style="list-style-type: none"> •Diamond, Rebecca, Tim McQuade, and Franklin Qian (2018). The Effects of Rent Control Expansion on Tenants, Landlords and Inequality: Evidence from San Francisco. <i>NBER</i> •Quigley, John, and Steven Raphael (2004). Is Housing Unaffordable? Why Isn’t It More Affordable? <i>Journal of Economic Perspectives</i>
<p>8</p> <p>03/08 & 03/10</p>	<p style="text-align: center;">Midterm on 03/10 during class</p>

Schedule continued on next page.

Week	Topics & Readings	Assignments
<p>9</p> <p>03/29 & 03/31</p>	<p>Urban Issues: Neighborhoods, Discrimination, & Poverty</p> <p>*Ch.15 “Neighborhoods”</p> <p>*Ludwig et al. (2012). Neighborhood Effects on the Long-Term Well-Being of Low-Income Adults. <i>Science</i></p> <p>*Chetty, Raj, Nathan Hendron, and Lawrence Katz (2016). The Effects of Exposure to Better Neighborhoods on Children: New Evidence from the Moving to Opportunity Project. <i>American Economic Review</i> (executive summary)</p>	<p>Assignment 3 distributed</p> <p>Online Quiz #4</p>
<p>10</p> <p>04/05 & 04/07</p>	<p>Urban Issues: Education & Crime</p> <p>*Ch.17 “Urban Housing and Public Policy”</p> <p>*Ch.23 “Crime and Public Policy”</p>	<p>Groups due</p>
<p>11</p> <p>04/12 & 04/14</p>	<p>Transportation</p> <p>*Ch.18 “Cars and Roads”</p> <ul style="list-style-type: none"> Ian Parry, Margaret Walls, and Winston Harrington (2007). Automobile externalities and policies. <i>The Journal of Economic Literature</i> 	<p>Assignment 3 due 04/15</p> <p>Project Proposal Idea (1 paragraph) due 04/17</p> <p>Online Quiz #5</p>
<p>12</p> <p>04/19 & 04/21</p>	<p>Cities and the environment</p> <p>*Ch.19 “Urban Public Transit”</p> <p>*Chapter 7 in City Economics. Brendan O’Flaherty</p> <p>*Glaeser, Edward. Green Cities, Brown Suburbs (Follow Link)</p> <ul style="list-style-type: none"> Matthew Khan and Randall Walsh (2015) “Cities and the Environment” <i>Handbook of Urban Economics</i> (*Introduction) 	<p>Assignment 4 distributed</p>
<p>13</p> <p>04/26 & 04/28</p>	<p>Urbanization in Developing Countries</p> <p>*Collier, Paul and Anthony Venables (2017). Urbanization in Developing Economies: the Assessment. <i>Oxford Review of Economic Policy</i></p> <p>*Chauvin, Juan Pablo, Edward Glaeser, and Kristina Tobio (2017). What is Different About Urbanization in Rich and Poor Countries? <i>Journal of Urban Economics</i>.</p> <ul style="list-style-type: none"> Castells-Quintana, David (2017). Malthus Living in a Slum: Urban Concentration, Infrastructure and Economic Growth. <i>Journal of Urban Economics</i>. Brueckner and Lall (2015). Cities in Developing Countries: Fueled by Rural-Urban Migration, Lacking in Tenure Security, and Short of Affordable Housing. <i>Handbook of Regional and Urban Economics</i>. 	<p>Online Quiz #6</p>

<p>14</p> <p>05/03 & 05/05</p>	<p style="text-align: center;">Project Proposal Presentations</p> <p>Looking to the Future</p> <p>*Glaeser, Edward L., “Demand for Density? The Functions of the City in the 21st Century.” <i>The Brookings Review</i> (2000): 12–15. *Hyman, Louis. “The Myth of Main Street.” <i>The New York Times</i>, April 8, 2017.</p>
<p>15</p> <p>05/10 & 05/12</p>	<p style="text-align: center;">Project Proposal Due 05/09 11:59 PM</p> <p style="text-align: center;">Comprehensive Final Exam Monday May 16 at 7:00 PM</p>