

ECO 641 - Graduate Labor Economics

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Meeting time: Mo-We: 2:00pm – 3:20pm

“Labor economics is the study of markets in which labor services are exchanged for wages. The existence of labor economics is justified by the fact that, in industrialized countries, income earned by working represents the largest component, around two-thirds, of total income. Moreover, a large part of the population is made up of wage earners, or those aspiring to become wage-earners if still in the education system. More generally, labor economics covers a very large field, and sheds light on economic and social problems of the greatest importance. It embraces topics as varied as wages, employment, unemployment, the cost of labor, the number of hours worked per week, how hard the work is, employees being fired, employees resigning, workplace injuries, decisions by individuals to participate in the labor market, unions, strikes, the impact of mandatory contributions, and many other subjects on which public debate frequently turns in modern societies” - Cahuc, Carcillo, and Zylberberg (2014)

Course Description and Overview

This course will focus on economic models of labor market behavior. It will introduce you to some of the major topics studied by labour economists and to the methods they use. You will learn to formulate research questions in the field of labor economics and to use appropriate empirical tools and models to address these questions.

We start with studying a general model of labor supply, extend this framework, developing an understanding of the predictions of static and dynamic theoretical models, along with the econometric methods used to estimate these models. A unifying theme throughout the course will be examining different theoretical explanations for wage differentials and evaluating the extent to which these theoretical models are consistent with empirical evidence. We will consider models of selection into jobs based on comparative advantage, human capital investments, and compensating wage differentials. We will analyze the effects of labor market policy on labor supply decisions and outcomes.

Course learning objectives

After completing this course, students should be able to:

1. Critically analyze and interpret research using verbal descriptions of behavior, mathematical models to represent behavior, and apply these models to study employment outcomes and wage determination.
2. Identify innovations and limitations to current theoretical models and the econometric methodology used in labor economics.
3. Present research in a clear and concise way that conveys the core issue, contributions, approach, and conclusion, and limitations.
4. Formulate a research plan for an original project that demonstrates a novel contribution to the field of labor economics. This proposal will demonstrate the ability to use and adapt existing theoretical and empirical models to address research questions in labor economics

Course Evaluation

Class presentations/ discussions (60%): students will be required to give two presentations (30 minutes each) of papers from the reading list. Students not assigned to speak that week will be expected to read the papers before class, ask questions during the presentation, and participate in a discussion afterward. Papers not on the list may be presented if relevant and approved by me.

Research Proposal/ Short Paper (40%): Each student will complete a research proposal or short research project as a final course assessment. This proposal will relate to one of the areas covered in class, unless otherwise approved by myself. Students may choose to replicate a paper covered in class, but must make some novel contribution to said paper. The proposal should be 8-10 pages in length with at least one half devoted to a review of the relevant literature and at least one-third to the proposed topic. In the proposal section students should describe the research question, relevant theory, data, econometric model, and expected or preliminary results, as applicable. The proposal should also lay out the relevance as related to the literature reviewed, in addition to the methodology they would use to approach such a topic. General topic areas for the literature review are due on Monday March 3rd before the start of class. The final paper is due on the last day of class. Late papers will not be accepted.

Some helpful texts:

P. Cahuch, Stéphane Carcillo, and André Zylberberg. *Labor Economics*, Second Edition. MIT Press, 2014. ISBN: 9780262027700.

J. Angrist and Jörn-Steffen Pischke. *Mostly Harmless Econometrics: An Empiricist's Companion*. Princeton University Press, 2008. ISBN: 9780691120355.

O. Ashenfelter & D. Card (ed.), 1999. "Handbook of Labor Economics," *Handbook of Labor Economics*, Elsevier, edition 1, volume 3, number 3, December.

Kenneth Train. *Discrete Choice Methods with Simulation*, Cambridge Press 2003.

Schedule and preliminary reading list (will update this as the course progresses)

The first week of class will begin with coverage of the syllabus, grading expectations, and a review of microeconomic theory (which may continue into the following week). We will then proceed through sections 1-5 and may cover additional topics, time permitting.

Note: I will cover the papers that are in bold. The other papers are for your reference, or candidates for student presentations.

1. Static and Dynamic Labor Supply, empirical methods in labor economics

1.1 Static and Dynamic Labor Supply

Blundell, Richard & Macurdy, Thomas, 1999. "Labor supply: A review of alternative approaches," *Handbook of Labor Economics*, in: O. Ashenfelter & D. Card (ed.), *Handbook of Labor Economics*, edition 1, volume 3, chapter 27, pages 1559-1695, Elsevier.

James Heckman. "Shadow Prices, Market Wages and Labor Supply." *Econometrica* 42 (July 1974), pp. 679-694.

James Heckman. "Sample selection bias as a specification error." *Econometrica* 42 (July 1979), pp. 153-61.

Nicolas Stern. "On the Specification of Labor Supply Functions." In Richard Blundell and Ian Walker, editors, *Unemployment Search and Labor Supply*. Cambridge: Cambridge University Press, 1986.

Emmanuel Saez. "Do Taxpayers Bunch at Kink Points?". *AEJ Economic Policy* 2 (August 2010): 180-212.

Orley Ashenfelter. "Determining Participation in Income-Tested Social programs." *Journal of the American Statistical Association*, Vol. 78, No. 383, September 1983.

Jerry Hausman. 'The Econometrics of Nonlinear Budget Sets' *Econometrica* 53 (Nov 1985): 1255-1282.

Farber, H. S. (2015): Why you can't find a taxi in the rain and other labor supply lessons from cab drivers," *The Quarterly Journal of Economics*, 130(4), 1975-2026.

Martinez, I. Z., E. Saez, and M. Siegenthaler (2021): Intertemporal labor supply substitution? evidence from the Swiss income tax holidays," *American Economic Review*, 111(2), 506-46.

George Borjas "The Relationship between Wages and Weekly Hours of Work: The Role of Division Bias. *Journal of Human Resources*, 15 (3), 1980 409-423.

David Card. 'Intertemporal Labor Supply: An Assessment'. In Christopher Sims, editor, *Advances in Econometrics, Sixth World Congress (volume 2)*. Cambridge University Press, 1994).

Luigi Pistaferri. 'Anticipated and Unanticipated Wage Changes, Wage Risk, and Intertemporal Labor Supply.' *JOLE* 21 (3), 2003. pp. 729-754.

Thomas MaCurdy. 'An Empirical Model of Labor Supply in a Life Cycle Setting' *JPE* 89 (6) 1981, pp.1059-1085.

John Ham. and Kevin Reilly. (2002) 'Testing Intertemporal Substitution, Implicit Contracts, and Hours Restriction Models of the Labor Market Using Micro Data' *American Economic Review*, 92 (No 4): 905-927

Joseph Altonji. 'Intertemporal Substitution in Labor Supply: Evidence from Micro Data'. *JPE* 94 (3, part 2) 1986, pp. S176-S215. 2

Tomas Havranek "Measuring Intertemporal Substitution: The Importance of Method Choices and Selective Reporting" *JEEA*, 2015

John Abowd and David Card (1989). 'On the Covariance Structure of Earnings and Hours Changes'. *Econometrica* 57 (2): 411-445.

1.3. Empirical Methods in Labor Economics

Card, David, 1999. "The causal effect of education on earnings," *Handbook of Labor Economics*, in: O. Ashenfelter & D. Card (ed.), *Handbook of Labor Economics*, edition 1, volume 3, chapter 30, pages 1801-1863, Elsevier.

David Card, 2000. "Estimating the Return to Schooling: Progress on Some Persistent Econometric Problems," NBER Working Papers 7769, National Bureau of Economic Research, Inc.

Heckman, Lochner, and Todd (2006) Earnings Functions, Rates of Return and treatment Effects: The Mincer Equation and Beyond – Handbook of Economics of Education

Heckman, James J., Lance Lochner and Petra Todd, “Earnings Functions and Rates of Return,” *Journal of Human Capital*, 2(1), Spring 2008: 1-31.

Heckman (2010) Building Bridges Between Structural and Program Evaluation Approaches to Evaluating Policy. *Journal of Economic Literature*

Keane, M. (2010): Structural vs. Atheoretic Approaches to Econometrics," *Journal of Econometrics*, 156(1), 3-20.

Heckman (2020) Randomization and Social Policy Evaluation Revisited. IZA working paper series. No. 12992. Accessed at <https://docs.iza.org/dp12882.pdf>.

Richard Blundell, Thomas MaCurdy and Costas Meghir. "Labor Supply Models: Unobserved Heterogeneity, Nonparticipation, and Dynamics" *Handbook of Econometrics* volume 6, 2007.

Michael Keane and Kenneth Wolpin. "The Solution and Estimation of Discrete Choice Dynamic Programming Models by Simulation and Interpolation: Monte Carlo Evidence. *Review of Economics and Statistics* 76 (November 1994): 648-672.

Michael Keane, Petra Todd and Kenneth Wolpin. The Structural Estimation of Behavioral Models: Discrete Choice Dynamic Programming Methods and Applications. Chapter 4 in *Handbook of Labor Economics Volume 4a*.

Low, Hamish, and Costas Meghir. 2017. "The Use of Structural Models in Econometrics." *Journal of Economic Perspectives*, 31 (2): 33-58.

Aguirregabiria, V., and P. Mira (2010): Dynamic discrete choice structural models: A survey," *Journal of Econometrics*, 156(1), 38-67.

Blundell, R., and M. C. Dias (2009): Alternative Approaches to Evaluation in Empirical Microeconomics," *Journal of Human Resources*, 44(3).

Meyer, B. (1994): Natural and Quasi-Experiments in Economics," NBER Working Paper 170.

Wolpin, K. (2007): Ex Ante Policy Evaluation, Structural Estimation and Model Selection," *American Economic Review*, 97(2), 48-52.

2.Human Capital

2.1.Basics

Becker, Gary, (1975), *Human Capital: A Theoretical and Empirical Analysis, with Special Reference to Education*, Second Edition, National Bureau of Economic Research, Inc.

Ben-Porath, Yoram. “The Production of Human Capital and the Life Cycle of Earnings.” *Journal of Political Economy* 75, no. 4 (1967): 352–65. <http://www.jstor.org/stable/1828596>.

Mincer, Jacob, (1974), *Schooling, Experience, and Earnings*, National Bureau of Economic Research, Inc.

Heckman, James J. "A Life-Cycle Model of Earnings, Learning, and Consumption." *Journal of Political Economy* 84, no. 4 (1976): S9–44. <http://www.jstor.org/stable/1831101>. Roy – some thoughts on the distribution of earnings

Willis, Robert J., and Sherwin Rosen. "Education and Self-Selection." *Journal of Political Economy* 87, no. 5 (1979): S7–36. <http://www.jstor.org/stable/1829907>.

Bowlus, Audra J., and Chris Robinson. 2012. "Human Capital Prices, Productivity, and Growth." *American Economic Review*, 102 (7): 3483-3515.

Flabbi, Luca, and Roberta Gatti. "A primer on human capital." *World Bank Policy Research Working Paper* 8309 (2018).

Imai, Susumu, and Michael P. Keane. "Intertemporal labor supply and human capital accumulation." *International Economic Review* 45, no. 2 (2004): 601-641.

2.2.Roy Model

George J Borjas. Self-Selection and the Earnings of Immigrants. *American Economic Review*, 1987

James Heckman and Bo E. Honoré. The Empirical Content of the Roy Model. *Econometrica*, 58(5):1121–1149, 1990

James Heckman and Guilherme Sedlacek. Self-Selection and the Distribution of Hourly Wages. *Journal of Labor Economics*, 8(1):S329–S363, 1990. doi: 10.2307/ 2535216

Eric Gould. Rising wage inequality, comparative advantage, and the growing importance of general skills in the united states. *Journal of Labor Economics*, 20(1): 105–147, 2002

Eric French and Christopher Taber. *Handbook of Labor Economics: Chapter 6 Identification of Models of the Labor Market*, volume 4. Elsevier, 2011

2.3.Canonical Model. Wages and employment

Acemoglu, Daron, and David Autor. "Skills, tasks and technologies: Implications for employment and earnings." In *Handbook of labor economics*, vol. 4, pp. 1043-1171. Elsevier, 2011.

Katz, Lawrence F., and Kevin M. Murphy. "Changes in relative wages, 1963–1987: supply and demand factors." *The quarterly journal of economics* 107, no. 1 (1992): 35-78.

*Bowlus, Audra, Eda Bozkurt, Lance Lochner, and Chris Robinson. *Wages and employment: The canonical model revisited*. No. w24069. National Bureau of Economic Research, 2017.

2.4.Beyond the Canonical Model: Specificity, skills, tasks, and occupations

Heckman, James J., and Guilherme Sedlacek. "Heterogeneity, aggregation, and market wage functions: an empirical model of self-selection in the labor market." *Journal of political Economy* 93, no. 6 (1985): 1077-1125.

Neal, Derek. "Industry-specific human capital: Evidence from displaced workers." *Journal of labor Economics* 13, no. 4 (1995): 653-677.

Neal, Derek. "The complexity of job mobility among young men." *Journal of labor Economics* 17, no. 2 (1999): 237-261.

Keane, Michael P., and Kenneth I. Wolpin. "The career decisions of young men." *Journal of political Economy* 105, no. 3 (1997): 473-522.

Poletaev, Maxim, and Chris Robinson. "Human capital specificity: evidence from the Dictionary of Occupational Titles and Displaced Worker Surveys, 1984–2000." *Journal of Labor Economics* 26, no. 3 (2008): 387-420.

Robinson, Chris. "Occupational mobility, occupation distance, and specific human capital." *Journal of Human Resources* 53, no. 2 (2018): 513-551.

Yamaguchi, Shintaro. "Tasks and heterogeneous human capital." *Journal of Labor Economics* 30, no. 1 (2012): 1-53.

Gathmann, Christina, and Uta Schönberg. "How general is human capital? A task-based approach." *Journal of Labor Economics* 28, no. 1 (2010): 1-49.

Sanders, C., C. Taber, et al. (2012). Life-cycle wage growth and heterogeneous human capital. *Annual Review of Economics* 4(1), 399–425.

Sanders, C. (2014). Skill accumulation, skill uncertainty, and occupational choice. *Working Paper*.

Lindenlaub, I. (2017). Sorting multidimensional types: Theory and application. *The Review of Economic Studies* 84(2), 718–789.

Robinson, Chris. "Occupational mobility, occupation distance, and specific human capital." *Journal of Human Resources* 53, no. 2 (2018): 513-551.

Lise, J. and F. Postel-Vinay (2020). Multidimensional skills, sorting, and human capital accumulation. *American Economic Review* 110(8), 2328–2376.

Guvenen, F., B. Kuruscu, S. Tanaka, and D. Wiczer (2020). Multidimensional skill mismatch. *American Economic Journal: Macroeconomics* 12(1), 210–244.

2.5. Intergenerational Transmission of Skills and Early Childhood Skill Production

Becker, G. S., & Tomes, N. (1986). Human capital and the rise and fall of families. *Journal of labor economics*, 4(3, Part 2), S1-S39.

Todd, P. E., & Wolpin, K. I. (2003). On the specification and estimation of the production function for cognitive achievement. *The Economic Journal*, 113(485), F3-F33.

Cunha, Flavio, and James Heckman. "The technology of skill formation." *American economic review* 97, no. 2 (2007): 31-47.

Cunha and Heckman (2008). "Formulate, Identify and Estimate Tech of skill Formation" -JHR

Cunha, Flavio, James J. Heckman, and Susanne M. Schennach. "Estimating the technology of cognitive and noncognitive skill formation." *Econometrica* 78, no. 3 (2010): 883-931.

Agostinelli, F., & Wiswall, M. (2016). *Estimating the technology of children's skill formation* (No. w22442). National Bureau of Economic Research.

Pavan, R. (2016). On the Production of Skills and the Birth-Order Effect. *The Journal of Human Resources*, 51(3), 699–726. <http://www.jstor.org/stable/26449869>

Conti, Gabriella, James Heckman, and Sergio Urzua. "The education-health gradient." *American economic review* 100, no. 2 (2010): 234-38.

vi. credit constrains

Lochner, Lance, and Alexander Monge-Naranjo. "Credit constraints in education." *Annu. Rev. Econ.* 4, no. 1 (2012): 225-256.

Carneiro, Pedro, and James J. Heckman. "The evidence on credit constraints in post-secondary schooling." *The Economic Journal* 112, no. 482 (2002): 705-734.

Stinebrickner, Ralph, and Todd Stinebrickner. "The effect of credit constraints on the college drop-out decision: A direct approach using a new panel study." *American Economic Review* 98, no. 5 (2008): 2163-84.

Dahl, Gordon and Lance Lochner, "The Impact of Family Income on Child Achievement: Evidence from the Earned Income Tax Credit: Reply," *American Economic Review*, 107(2), 2017: 629-631.

Caucutt, Elizabeth, and Lance Lochner, "Early and Late Human Capital Investments, Borrowing Constraints, and the Family," *Journal of Political Economy*, 128(3), 2020:1065-1147.

2.6 Preferences, Heterogeneity, and Uncertainty

Carneiro, Pedro, Karsten T. Hansen, and James J. Heckman. "Estimating Distributions of Treatment Effects with an Application to the Returns to Schooling and Measurement of the Effects of Uncertainty on College." (2003).

Cunha, Flavio, James Heckman, and Salvador Navarro. "Separating uncertainty from heterogeneity in life cycle earnings." *oxford Economic papers* 57, no. 2 (2005): 191-261.

Navarro, Salvador, and Jin Zhou. "Identifying agent's information sets: An application to a lifecycle model of schooling, consumption and labor supply." *Review of Economic Dynamics* 25 (2017): 58-92.

Cunha, Flavio, and James J. Heckman. "Identifying and estimating the distributions of ex post and ex ante returns to schooling." *Labour Economics* 14, no. 6 (2007): 870-893.

vii Education investments: Major choices, uncertainty,

Stinebrickner, Ralph, and Todd Stinebrickner. "Academic performance and college dropout: Using longitudinal expectations data to estimate a learning model." *Journal of Labor Economics* 32, no. 3 (2014): 601-644.

vii. Crime

Cano-Urbina, Javier, and Lance Lochner, "The Effect of Education and School Quality on Female Crime," *Journal of Human Capital*, 13(2), 2019: 188-235.

Lochner, Lance and Enrico Moretti, "The Effect of Education on Crime: Evidence from Prison Inmates, Arrests, and Self-Reports," *American Economic Review*, 94(1), March 2004: 155-189. (Reprinted in C. Belfield, eds., *Modern Classics in the Economics of Education*, Northampton: Edward Elgar Publishing, 2006.)

Lochner, Lance, "Education, Work, and Crime: A Human Capital Approach," *International Economic Review*, 45 (3) August 2004: 811-843. (Reprinted in I. Ehrlich and Z. Liu, eds., *The Economics of Crime*, Northampton: Edward Elgar Publishing, 2006

3. Labor market policy

i..income risk and dynamics

Corbae, Dean, Mariacristina De Nardi, and Lance Lochner, "RED Special Issue on Human Capital and Inequality, An Introduction", *Review of Economic Dynamics*, 25(2), 2017, 1-3.

Lochner, Lance, Youngmin Park, and Youngki Shin. Wage dynamics and returns to unobserved skill. No. w24220. National Bureau of Economic Research, 2018.

Low, Hamish, Costas Meghir, and Luigi Pistaferri. "Wage risk and employment risk over the life cycle." *American Economic Review* 100, no. 4 (2010): 1432-67.

Heckman, James J., Lance Lochner and Christopher Taber, "Explaining Rising Wage Inequality: Explorations with a Dynamic General Equilibrium Model of Labor Earnings with Heterogeneous Agents," *Review of Economic Dynamics*, 1(1) January 1998: 1-58

Pierre Olivier Gourinchas and Jonathan Parker. (2002) Consumption Over the Life Cycle *Econometrica* 70 (No. 1):47-89.

ii.. Labor market Incentives to taxes, and transfers

Diamond, Peter, and Emmanuel Saez. "The case for a progressive tax: from basic research to policy recommendations." *Journal of Economic Perspectives* 25, no. 4 (2011): 165-90.

Keane, Michael P. "Labor supply and taxes: A survey." *Journal of Economic Literature* 49, no. 4 (2011): 961-1075.

Blundell, Richard, Alan Duncan, and Costas Meghir. "Estimating labor supply responses using tax reforms." *Econometrica* (1998): 827-861.

Blundell, Richard, Antoine Bozio, and Guy Laroque. "Labor supply and the extensive margin." *American Economic Review* 101, no. 3 (2011): 482-86.

***Blundell, Richard, Monica Costa Dias, Costas Meghir, and Jonathan Shaw. "Female labor supply, human capital, and welfare reform." *Econometrica* 84, no. 5 (2016): 1705-1753.**

Browning, Martin, Angus Deaton, and Margaret Irish. "A profitable approach to labor supply and commodity demands over the life-cycle." *Econometrica: journal of the econometric society* (1985): 503-543.

Chetty, Raj. "Bounds on elasticities with optimization frictions: A synthesis of micro and macro evidence on labor supply." *Econometrica* 80, no. 3 (2012): 969-1018.

Keane, Michael, and Richard Rogerson. "Micro and macro labor supply elasticities: A reassessment of conventional wisdom." *Journal of Economic Literature* 50, no. 2 (2012): 464-76.

Saez, Emmanuel, Joel Slemrod, and Seth H. Giertz. "The elasticity of taxable income with respect to marginal tax rates: A critical review." *Journal of economic literature* 50, no. 1 (2012): 3-50.

Stantcheva, Stefanie. "Optimal taxation and human capital policies over the life cycle." *Journal of Political Economy* 125, no. 6 (2017): 1931-1990.

iii. Health, Disability, and Retirement

French, Eric. "The effects of health, wealth, and wages on labour supply and retirement behaviour." *The Review of Economic Studies* 72, no. 2 (2005): 395-427.

French, Eric, and John Bailey Jones. "The effects of health insurance and self-insurance on retirement behavior." *Econometrica* 79, no. 3 (2011): 693-732.

Autor, David H. "The unsustainable rise of the disability rolls in the United States: Causes, consequences, and policy options." NBER Working Paper Series-National Bureau of Economic Research 17697 (2011).

Autor, David H., and Mark G. Duggan. "The rise in the disability rolls and the decline in unemployment." *The Quarterly Journal of Economics* 118, no. 1 (2003): 157-206.

Kostøl, Andreas, Magne Mogstad, and Bradley Setzler. "Disability benefits, consumption insurance, and household labor supply." *American Economic Review* 109, no. 7 (2019): 2613-54.

Bound, John. "The health and earnings of rejected disability insurance applicants." (1989).

Deshpande, Manasi. "Does welfare inhibit success? The long-term effects of removing low-income youth from the disability rolls." *American Economic Review* 106, no. 11 (2016): 3300-3330.

French, Eric, and Jae Song. "The effect of disability insurance receipt on labor supply." *American economic Journal: economic policy* 6, no. 2 (2014): 291-337.

Gelber, Alexander, Timothy J. Moore, and Alexander Strand. "The effect of disability insurance payments on beneficiaries' earnings." *American Economic Journal: Economic Policy* 9, no. 3 (2017): 229-61.

Low, Hamish, and Luigi Pistaferri. "Disability insurance and the dynamics of the incentive insurance trade-off." *American Economic Review* 105, no. 10 (2015): 2986-3029.

Maestas, Nicole, Kathleen J. Mullen, and Alexander Strand. "Does disability insurance receipt discourage work? Using examiner assignment to estimate causal effects of SSDI receipt." *American economic review* 103, no. 5 (2013): 1797-1829.

Kitao, S. (2014). A life-cycle model of unemployment and disability insurance. *Journal of Monetary Economics* 68, 1–18.

Deshpande, M. and L. M. Lockwood (2022). Beyond health: Nonhealth risk and the value of disability insurance. *Econometrica* 90(4), 1781–1810.

Bound, J., Stinebrickner, T., & Waidmann, T. (2010). Health, economic resources and the work decisions of older men. *Journal of econometrics*, 156(1), 106-129.

Lise, J., Pastorino, E., & Pistaferri, L. (2023). Revisiting the Employment Effects of the Americans with Disabilities Act. Kostøl, Andreas, Magne Mogstad, and Bradley Setzler. "Disability benefits,

consumption insurance, and household labor supply." *American Economic Review* 109, no. 7 (2019): 2613-54.

iv. Health and Human Capital

Wen (2023) - Occupational Retirement and Pension Reform: the Roles of Physical and Cognitive Health

Grossman, Michael. "2. The Human Capital Model." In *Determinants of Health*, pp. 42-110. Columbia University Press, 2017.

Eric French. 'The Effects of Health, Wealth and Wages on Labor Supply and Retirement Behavior.' *Review of Economic Studies* 73: 395-427

Deshpande, Manasi, and Yue Li. "Who is screened out? Application costs and the targeting of disability programs." *American Economic Journal: Economic Policy* 11, no. 4 (2019): 213-48.

Aizawa, N., Mommaerts, C., & Rennane, S. L. (2023). *Firm Accommodation After Disability: Labor Market Impacts and Implications for Social Insurance* (No. w31978). National Bureau of Economic Research.

Michaud, Amanda, and David Wiczer. "Occupational hazards and social disability insurance." *Journal of Monetary Economics* 96 (2018): 77-92.

Maestas, Nicole, Kathleen J. Mullen, and Alexander Strand. Does delay cause decay? The effect of administrative decision time on the labor force participation and earnings of disability applicants. No. w20840. National Bureau of Economic Research, 2015.

Humlum, A., J. R. Munch, and P. Jorgensen (2023). Changing tracks: Human capital investment after loss of ability. University of Chicago, Becker Friedman Institute for Economics Working Paper (2023-30).

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Each student must pursue his or her academic goals honestly and be personally accountable for all submitted work. Representing another person's work as your own is always wrong. Faculty is required to report any suspected instances of academic dishonesty to the Academic Judiciary. Faculty in the Health Sciences Center (School of Health Professions, Nursing, Social Welfare, Dental Medicine) and School of Medicine are required to follow their school-specific procedures. For more comprehensive information on academic integrity, including categories of academic dishonesty please refer to the academic judiciary website at http://www.stonybrook.edu/commcms/academic_integrity/index.html

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