

Syllabus

[cmcd.economia@fgv.br]

Course Name: Applied Microeconomics

Faculty:

2024 SECOND SEMESTER

COURSE OUTLINE

The main objective of this course is to examine applications of microeconomic analysis for issues in developing countries, particularly in Brazil. During the course, there will be discussed theoretical aspects of the themes as well as presentations of applications for Brazil and eventually other developing countries.

The course concentrates on the study of the aspects of institutions, poverty and inequality, conditional income transfers, early childhood development, education, labor markets, health, environmental issues, crime and public sector.

METHODOLOGY

Lectures, presentations by students, presentations by guest speakers.

PROGRAM

1. Institutions, Human Capital and Growth
2. Poverty
3. Inequality
4. Conditional Income Transfer Programs
5. Early Childhood Development
6. Education I and II
7. Labor
8. Health
9. Environment I and II
10. Crime
11. Public Sector I and II

BIBLIOGRAPHY

I. Institutions, Human Capital and Growth

Main References

Acemoglu, D., Johnson, S. and Robinson, J. (2001), “The Colonial Origins of Comparative Development: An Empirical Investigation”, *American Economic Review*, v. 91 n.15.

Glaeser, E., la Porta, R., Lopes de Silanes, F. e Shleifer, A. (2004), “Do Institutions Cause Growth”, *Journal of Economic Growth* n. 9.

Naritomi, J.; Soares, R. and Assunção, J. (2012) Institutional Development and Colonial Heritage within Brazil, *The Journal of Economic History*, Vol. 72, No. 2.

Rocha, R., C. Ferraz and R. Soares (2017), “Human Capital Persistence and Development”, *American Economic Journal: Applied Economics* 9(4).

Additional References

Acemoglu, D., Gallego, F., and Robinson, J. (2014), “Institutions, Human Capital, and

Development”, *The Annual Review of Economics*, 6:875-912.

Acemoglu, D., Naidu, S., Restrepo, P., and Robinson, J. (2019), “Democracy Does Cause Growth”, *Journal of Political Economy*, 127:1.

II. Poverty

Main References

ALKIRE, Sabina; FOSTER, James. Counting and multidimensional poverty measurement. *Journal of public economics*, v. 95, n. 7-8, p. 476-487, 2011.

FOSTER, James; GREER, Joel; THORBECKE, Erik. A class of decomposable poverty measures. *Econometrica: journal of the econometric society*, p. 761-766, 1984.

Additional References

SKOUFIAS, Emmanuel et al. Estimating poverty rates in subnational populations of interest: An assessment of the Simple Poverty Scorecard. *World Development*, v. 129, p. 104887, 2020.

SILVA, JOSÉ JAIME DA et al. Pobreza multidimensional no Brasil: uma análise do período 2004-2015. *Brazilian Journal of Political Economy*, v. 40, p. 138-160, 2020.

TAVARES, Fernando Flores; BETTI, Gianni. The pandemic of poverty, vulnerability, and COVID-19: Evidence from a fuzzy multidimensional analysis of deprivations in Brazil. *World Development*, v. 139, p. 105307, 2021.

III. Inequality

Main References

Barros, R. P., Mendonça, R. S. . The evolution of welfare, poverty and inequality in Brazil over the last three decades: 1960-1990.. In: IPEA. (Org.). *Brazilian Economic Studies*.. Brasília: IPEA, 1999, v. , p. 09-45.

Ferreira, F., Firpo, S. and Messina, J. (2017), “Accounting for the Decline in Earnings Inequality in Brazil, 1995-2012”, IDB Working Paper Series No. IDB-WP-792.

Morgan, M. (2017). Extreme and persistent inequality: new evidence for Brazil combining national accounts, surveys and fiscal data, 2001-2015.

Additional References

Barros, Ricardo Paes de, Mirela de Carvalho, Samuel Franco, and Rosane Mendonça. 2006. “Uma análise das principais causas da queda recente na desigualdade de renda brasileira.” *Econômica* 8, no. 1 (June): 117–147.

Fields, Gary S., (2001), *Distribution and Development: A New Look at the Developing World*, MIT Press: Cambridge, MA and London.

IV. Conditional Income Transfer Programs

Main References

DE BRAUW, Alan et al. The impact of Bolsa Família on schooling. *World Development*, v. 70, p. 303-316, 2015.

Del Rey, E. and F. Estevam. (2013). “Conditional cash transfers and education quality in the presence of credit constraints”, *Economics of Education Review* 34, 76–84.

Firpo, S.; Pieri, R.; Pedrozo Jr., E. and Souza, A.P. (2014). Evidence of eligibility manipulation for conditional cash transfer programs. *Economia (Brasília)*, p. 243-260.

FISZBEIN, Ariel; SCHADY, Norbert R. Conditional cash transfers: reducing present and future poverty. World Bank Publications, 2009.

Lima, Lycia; Souza, A. P. (2020), “Social Protection Response to COVID-19 in Brazil”, UNDP LAC C19 Policy Document Series N°. 27.

Ribeiro, F.G. et al. (2017), “Bolsa Família: Um survey sobre os efeitos do programa de transferência de renda condicionada do Brasil”, *Estudos Econômicos*, vol. 47, n. 4.

Additional References

André Portela Souza (2011). Políticas de Distribuição de Renda e o Bolsa Família. In: Edmar Bacha e Simon Schwartzman (org.). Brasil: A Nova Agenda Social. Rio de Janeiro: IETS.

EVANS, David K.; POPOVA, Anna. Cash transfers and temptation goods. *Economic Development and Cultural Change*, v. 65, n. 2, p. 189-221, 2017.

Vivi Alatas, Abhijit Banerjee, Rema Hanna, Benjamin A. Olken and Julia Tobias (2012). “Targeting the Poor: Evidence from a Field Experiment in Indonesia”, *American Economic Review*, Vol. 102, No. 4, June 2012.

V. Early Childhood Development

Main References

HECKMAN, James J. Skill formation and the economics of investing in disadvantaged children. *Science*, v. 312, n. 5782, p. 1900-1902, 2006.

HECKMAN, James J.; MASTEROV, Dimitriy V. The productivity argument for investing in young children. 2007.

Cunha, F., J. Heckman (2007). The Technology of Skill Formation, *The American Economic Review Papers & Proceedings* 97/2: 31–47.

Heckman, J., R. Pinto, P. Savelyev (2013), “Understanding the Mechanisms Through Which an Influential Early Childhood Program Boosted Adult Outcomes”, *American Economic Review* 2013, Vol. 103, n. 6, pp. 1–35.

CARNEIRO, Pedro et al. The impacts of a multifaceted prenatal intervention on human capital accumulation in early life. *American Economic Review*, v. 111, n. 8, p. 2506-49, 2021.

GARCÍA, Jorge Luis; HECKMAN, James J.; ZIFF, Anna L. Early childhood education and

crime. *Infant mental health journal*, v. 40, n. 1, p. 141-151, 2019.

Additional References

Attanasio, Orazio et al. (2017), “Impact of free availability of public childcare on labour supply and child development in Brazil. Impact of free availability of public childcare on labour supply and child development in Brazil”, *3ie Impact Evaluation Report* 58.

Foguel, M.; Veloso, F. (2014), “Inequality of opportunity in daycare and preschool services in Brazil”. *The Journal of Economic Inequality*, v. 12, p. 191-220, 2014.

Gertler, P., J. Heckman, R. Pinto, A. Zanolini, C. Vermeersch, S. Walker, S. Chang, S. Grantham-McGregor (2014), Labor Market Returns to Early Childhood Stimulation: A 20-year Follow-up to an Experimental Intervention in Jamaica, *Science*, Vol. 344, n. 6187.

Campbell, F. A., G. Conti, J. Heckman, R. Pinto, S. Moon, E. P. Pungello (2014), Early Childhood Investments Substantially Boost Adult Health. *Science*, Vol. 343, n. 6178, pp. 1478–1485.

Cunha, F., J. Heckman, L. Lochner, D. V. Masterov (2005), Interpreting the Evidence on Life Cycle Skill Formation. *NBER Working Paper* n.11331.

VI. Education

Education I

Main References

Attanasio, O.; Guarín, A.; Medina, C.; and Meghir, C. (2017). “Vocational training for disadvantaged youth in colombia: A long-term follow-up”. *American Economic Journal: Applied Economics*, 9(2):131-143.

Attanasio, O., Kugler, A., and Meghir, C. (2011). “Subsidizing vocational training for disadvantaged youth in colombia: Evidence from a randomized trial”, *American Economic Journal: Applied Economics*, 3(3):188-220.

Barros, R.P.; Biderman, C.; Lima, L.; and Souza, A.P. (2020) “Rescuing At-Risk Youth: Experimental Evidence from a Human Capital Investments Program in Brazil”, mimeo.

Camargo, J.; Lima, L.; Riva, F.; Souza, A.P.. (2020), “Technical Education, Non-cognitive Skills and Labor Market Outcomes: Experimental Evidence from Brazil”, *IZA Journal of Labor Economics*.

Additional References

Gelber, A., Isen, A., and Kessler, J. B. (2015). “The effects of youth employment: Evidence from new york city lotteries”. *The Quarterly Journal of Economics*, 131(1):423-460.

Hanushek, E. A., Schwerdt, G., Woessmann, L., and Zhang, L. (2017). “General education, vocational education, and labor-market outcomes over the lifecycle”, *Journal of Human Resources*, 52(1):48-87.

Education II

Main References

Acemoglu, D. and Autor, D. (2011). Skills, tasks and technologies: Implications for employment and earnings. In *Handbook of labor economics*, volume 4, pages 1043–1171. Elsevier.

Autor, D. H., Levy, F., and Murnane, R. J. (2003). The skill content of recent technological change: An empirical exploration. *The Quarterly journal of economics*, 118(4):1279–1333.

Escueta, M., Nickow, A. J., Oreopoulos, P., and Quan, V. (2020). Upgrading education with technology: Insights from experimental research. *Journal of Economic Literature*, 58(4):897–996.

Ferman, Bruno, Lycia Lima, and Flavio Riva. *Artificial Intelligence, Teacher Tasks and Individualized Pedagogy*. No. qw249. Center for Open Science, 2021.

WORLD BANK. *World development report 2019: The changing nature of work*. The World Bank, 2018.

Additional References

FERMAN, Bruno; FINAMOR, Lucas; LIMA, Lycia. Are Public Schools Ready to Integrate Math Classes with Khan Academy?. 2019. MPRA Working Paper Series.

Muralidharan, K., Singh, A., and Ganimian, A. J. (2019). Disrupting education? experimental evidence on technology-aided instruction in india. *American Economic Review*, 109(4):1426–60.

VII. Labor

Main References

Haanwinckel, D. and R. Soares (2020), “Workforce Composition, Productivity, and Labor Regulations in a Compensating Differentials Theory of Informality”, Becker-Friedman Institute WP N. 2020-45.

HECKMAN, James J.; STIXRUD, Jora; URZUA, Sergio. The effects of cognitive and noncognitive abilities on labor market outcomes and social behavior. *Journal of Labor economics*, v. 24, n. 3, p. 411-482, 2006.

Rocha, R., Ulyssea, G., and Rachter, L. (2018). Do Lower Taxes Reduce Informality? Evidence from Brazil. *Journal of Development Economics*, 134 (September): 28-49.

Additional References

Ulyssea, G. (2018), “Firms, Informality and Development: Theory and evidence from Brazil”. *American Economic Review*, Vol. 108, No. 8, August.

Ulyssea, G. (2010), “Regulation of entry, labor market institutions and the informal sector”, *Journal of Development Economics*, 91, 87-99.

VIII. Health

Main References

BHALOTRA, Sonia R.; ROCHA, Rudi; SOARES, Rodrigo R. Does universalization of healthwork? Evidence from health systems restructuring and expansion in Brazil. 2019.

CASTRO, Marcia C. et al. Brazil's unified health system: the first 30 years and prospects for the future. *The lancet*, v. 394, n. 10195, p. 345-356, 2019.

Dupas, P. and Miguel, E. (2017). Impacts and Determinants of Health Levels in Low-Income Countries. In *Handbook of Economic Field Experiments*, volume 2, pages 3–93. Elsevier.

Reich, M. R., Harris, J., Ikegami, N., Maeda, A., Cashin, C., Araujo, E. C., Takemi, K., and Evans, T. G. (2016). Moving Towards Universal Health Coverage: Lessons From 11 Country Studies. *The Lancet*, 387(10020):811–816.

Additional References

ROCHA, Rudi et al. Effect of socioeconomic inequalities and vulnerabilities on health-system preparedness and response to COVID-19 in Brazil: a comprehensive analysis. *The Lancet Global Health*, v. 9, n. 6, p. e782-e792, 2021.

ROCHA, Rudi; SANT’ANNA, André Albuquerque. Winds of fire and smoke: Air pollution and health in the Brazilian Amazon. *World Development*, v. 151, p. 105722, 2022.

IX. Environment

Environment I

Main References

Allcott, H. & Greenstone, M. (2012), 'Is there an energy efficiency gap?', *Journal of Economic Perspectives* 26(1), 3–28.

SCHUTZE, Amanda; OLIVEIRA, Sara; ASSUNÇÃO, Juliano. *Energy and Misallocation: Evidence from Brazil*. 2019.

Additional References

Allcott, H., Collard-Wexler, A. & O'Connell, S. D. (2016), 'How do electricity shortages affect industry? Evidence from India', *American Economic Review* 10

ASSUNÇÃO, Juliano; SCHUTZE, Amanda. *Developing Brazil's Market for Distributed Solar Generation*. 2017.

Environment II

Main References

ASSUNÇÃO, Juliano et al. The effect of rural credit on deforestation: evidence from the Brazilian Amazon. *The Economic Journal*, v. 130, n. 626, p. 290-330, 2020.

BURGESS, Robin; COSTA, Francisco JM; OLKEN, Benjamin A. *Wilderness conservation and the reach of the state: Evidence from national borders in the amazon*. National Bureau of Economic Research, 2018.

Additional References

ALIX-GARCIA, Jennifer et al. The ecological footprint of poverty alleviation: evidence from Mexico's Oportunidades program. *Review of Economics and Statistics*, v. 95, n. 2, p. 417-435, 2013.

ASSUNÇÃO, Juliano; ROCHA, Romero. Getting greener by going black: the effect of blacklisting municipalities on Amazon deforestation. *Environment and Development Economics*, v. 24, n. 2, p. 115-137, 2019.

X. Crime

Cabral, S., Firpo, S., Costa, M. M. D., Monteiro, J., & Viotti, L. (2019, July). Keeping the dream alive: The role of expectancy in pay-for-performance programs. In *Academy of Management Proceedings* (Vol. 2019, No. 1, p. 18240). Briarcliff Manor, NY 10510: Academy of Management.

DIX-CARNEIRO, Rafael; SOARES, Rodrigo R.; ULYSSEA, Gabriel. Economic shocks and crime: Evidence from the brazilian trade liberalization. *American Economic Journal: Applied Economics*, v. 10, n. 4, p. 158-95, 2018.

Ferraz, Eduardo, Soares, Rodrigo, Vargas, Juan. Unbundling the Relationship between Economic Shocks and Crime (with Eduardo Ferraz and Juan Vargas). [IZA Discussion Paper 14954. 2021](#). Forthcoming in *A Modern Guide to the Economics of Crime*, edited by Paolo Buonanno, Paolo Vanin, and Juan Vargas.

JAITMAN, Laura; AJZENMAN, Nicolás. Crime concentration and hot spot dynamics in Latin America. IDB Working Paper Series, 2016.

SOARES, Rodrigo R. Development, crime and punishment: accounting for the international differences in crime rates. *Journal of development Economics*, v. 73, n. 1, p. 155-184, 2004.

XI Public Sector, Bureaucracy and Development I and II

Main References

AKHTARI, Mitra; MOREIRA, Diana; TRUCCO, Laura. Political turnover, bureaucratic turnover, and the quality of public services. *American Economic Review*, v. 112, n. 2, p. 442-93, 2022.

DAHIS, Ricardo; SCHIAVON, Laura; SCOT, Thiago. Selecting top bureaucrats: Admission exams and performance in brazil. Available at SSRN 3584725, 2020.

FINAN, FREDERICO, OLKEN, BENJAMIN A., & PANDE, ROHINI. 2017. The personnel economics of the developing state. In: BANERJEE, ABHIJIT, & DUFLO, ESTHER (eds), *Handbook of Field Experiments, Volume II*. North Holland.

HJORT, Jonas et al. How research affects policy: Experimental evidence from 2,150 brazilian municipalities. *American Economic Review*, v. 111, n. 5, p. 1442-80, 2021.

Additional References

DELLAVIGNA, STEFANO, & POPE, DEVIN. 2018. Predicting experimental results: Who knows what? *Journal of Political Economy*, 126(6), 2410–2456

DI MARO, Vincenzo et al. Building State Capacity: What Is the Impact of Development Projects?. Available at SSRN 4075621, 2021.

GRADING

In class presentation.....30%
Assignment.....20%
Final Exam.....50%

PROFESSOR – EMAILS