**Research Topics in Growth and Development**

**Fall, 2021**

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**Course Description**

The objective of this short course is to present frontier research topics in growth and development to students who are interested in doing research in this area. To set the stage, I will first talk about the basic neoclassical growth model and growth accounting. Then I will discuss six topics listed below:

1. Development Accounting
2. Models of structural change
3. Agricultural Proudctivity Gap
4. Barriers to structural change
5. Trade, migration and aggregate productivity
6. Trade and structural change

**Reading List**

 General data reference

* The [*Groningen Growth and Development Centre*](https://www.rug.nl/ggdc/) *at the University of Groningen maintains several datasets that are commonly used for research in growth and macro-development. In particular, there are four productivity datasets that are very useful:*
	+ [**Penn World Table**](https://www.rug.nl/ggdc/productivity/pwt/)
	+ [**10-Sector Database**](https://www.rug.nl/ggdc/productivity/10-sector/)
	+ [**EU KLEMS Database**](https://www.rug.nl/ggdc/productivity/eu-klems/)
	+ [**Productivity Level Database**](https://www.rug.nl/ggdc/productivity/pld/)
1. Growth Accounting
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* \*Young, Alwyn. 1995. “The Tyranny of Numbers,” *Quarterly Journal of Economics*, 110 (3): 641-680.
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* Ventura, Jaume. 1997. “Growth and Interdependence,” *Quarterly Journal of Economics*, 112(1): 57-84.
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1. Level Accounting
* \*Lecture Note on Development Accounting
* \*Mankiw, N. Gregory, David Romer, and David N. Weil. 1992. “A Contribution to the Empirics of Economic Growth,” *Quarterly Journal of Economics*, 107(2): 407-37.
* \*Jones, Charles I. 2016 “[The Facts of Economic Growth](http://www.nber.org/papers/w21142.pdf)” *Handbook of Economic Growth*, Section 4.4-4.5
* \*Hsieh, Chang-Tai and Pete Klenow. 2010. “Development Accounting.” *American Economic Journal: Macroeconomics*, 2(1): 207-223.
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1. Models of Structural Change
* \*Lecture Note Structural Change
* \*Herrendorf, Berthold, Richard Rogerson, and AkosValentinyi. 2014. “[Growth and Structural Transformation](http://www.public.asu.edu/~bherrend/Published%20Papers/Handbook%202013.pdf).” in *Handbook of Economic Growth*.
* \*Comin, Diego, DanialLashkari, and Marti Mestieri. 2018 “[Structural Change with Long-run Income and Price Effects](https://docs.google.com/viewer?a=v&pid=sites&srcid=ZGVmYXVsdGRvbWFpbnxtYXJ0aW1lc3RpZXJpfGd4OjUxNDY2Zjc0YWJmYzY2ZjA),” unpublished working paper.
* \*Boppart, Timo. 2014.“[Structural Change and the Kaldor Facts in a Growth Model with Relative Price Effects and Non-Gorman Preferences](http://www.iies.su.se/polopoly_fs/1.166943.1392369488%21/menu/standard/file/structural_change_%28revised_version%29.pdf).” *Econometrica* 82 (6).
* Alder, Simon, Timo Boppart, and Andreas Muller. 2019. “[A Theory of Structural Change That Can Fit the Data](https://www.dropbox.com/s/kn6yh1euametrtp/ABM_StructuralChange.pdf),” unpublished working paper.
* Baumol, William J. 1967. “Macroeconomics of Unbalanced Growth: The Anatomy of Urban Crisis.” *American Economic Review* 57: 415-426.
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* \*Lecture Note Agricultural Productivity Gap
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1. Barriers to Structural Change: Time-series Analysis
* \*Lecture Note on Barriers to Structural Change
* \*Caselli, Francesco and John Coleman 2001. “[The U.S. Structural Transformation and Regional Convergence: A Reinterpretation](http://personal.lse.ac.uk/casellif/papers/structural.pdf).**”***Journal of Political Economy*109(3): 584-616.
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* \*Tombe, Trevor and Xiaodong Zhu. 2019. “[Trade, Migration, and Productivity: A Quantitative Analysis of China](http://homes.chass.utoronto.ca/~xzhu/paper/tombezhulatest.pdf),” *American Economic Review*, 109(5): 1843-1872.
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* \*Mastuyama, Kiminori. 2009. "Structural Change in an Interdependent World: A Global View of Manufacturing Decline." *Journal of the European Economic Association* 7: 478-486.
* \*Uy, Timothy, Kei-mu Yi, and Jing Zhang. 2013. “Structural Change in an Open Economy.”*Journal of Monetary Economics*, 60: 667-682.
* \*Matsuyama, Kiminori. 2019. "Engel's Law in the Global Economy: Demand-Induced Patterns of Structural Change, Innovation, and Trade"***,*** *Econometrica*, 87: 497-528.
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* Sposi, Michael. 2018. “[Evolving Comparative Advantage, Sectoral Linkages, and Structural Change](https://doi.org/10.1016/j.jmoneco.2018.08.003).” *Journal of Monetary Economics* forthcoming