

## **Syllabus: Advanced Development Economics**

**PhD/Advanced Master Course (M.WIWI-VWL.0019.Mp)**

**Summer Semester 2022**

**28 February 2022 - 08 April 2022**

(as of January 11, 2022)

### **Teaching faculty**

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### **Tutor**

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## **1. General Information**

### *1.1 Course overview*

This course provides an in-depth analysis of current research on selected critical issues in development economics at the graduate level. The course covers topics on new directions of research in macro-economic and micro-economic aspects of development as well as methodological aspects of econometric analyses and policy evaluations.

Some familiarity with development issues (e.g., Development Economics I, II) as well as background in micro and macro theory and empirical economics is highly desirable. The course is open to Ph.D. students in economics, applied statistics, agricultural economics, and related disciplines, as well as advanced M.A. students in international economics and development economics.

## 1.2 Credit points

6 ECTS credit points

## 1.3 Examination and grading of the module

The grading consists of two components:

- Final exam (duration: 90 minutes) [5C]
- Oral presentations and discussions of other students' presentations [1C]

In order to earn ECTS credits, you must present and discuss research articles in the tutorial (selected from the literature under the tutorials section) and pass an exam at the end of the course.

- **Presentations.** Depending on the number of registered students, you have to present one or two papers and discuss one or two papers presented by your peers. Each presentation should be approx. 20 minutes. The grade of the presentation will be based on the presentation of
  - context and background
  - data
  - methodology
  - implications and conclusions
  - your own thoughts about the paper.

Students need to send their presentation to Sarah Langlotz and their assigned discussants at least 24h before the presentation time. You will have to upload the presentation to Stud.IP after the tutorial session in which you presented.

- **Online exam.** The exam takes place online from 10:00-11:30 on April 8<sup>th</sup>, 2022. We will upload exams from previous years to Stud.IP after the last lecture.

## 1.5 Registration

Please select three papers for possible presentations from the tutorial list (highlighted in grey) below and state your ordered preferences by email to: [sarah.langlotz@uni-goettingen.de](mailto:sarah.langlotz@uni-goettingen.de) by **February 14, 2022** (23:59). We will then assign 1-2 papers for your presentation, which we will announce by February 18, 2022.

Please register for the course on Stud.IP (<https://www.studip.uni-goettingen.de/>) so that you receive all pertinent information in due time (e.g., registration, virtual meetings). If you are not a student at the University of Göttingen and do not have access to Stud.IP, please email [studip@uni-goettingen.de](mailto:studip@uni-goettingen.de), and let them know that:

You are a guest student for the course Advanced Development Economics (course number: 800968) and will require access to Stud.IP from February to

May 2022. If they require permission from the course instructor, please forward the email to [sarah.langlotz@uni-goettingen.de](mailto:sarah.langlotz@uni-goettingen.de).

Students of the University of Göttingen need to register for the exam via FlexNow. All other students need to register for the exam by sending an e-mail to [sarah.langlotz@uni-goettingen.de](mailto:sarah.langlotz@uni-goettingen.de).

## 2. Course overview

### 2.1 Description of the teaching and learning methods

The lecture is supplemented by self-study based on provided materials and literature. The accompanying tutorial (*Übung*) complements the lecture content. The course is split in lectures and tutorials. **The course language is English.**

### 2.2 Meetings

**IMPORTANT:** This course is planned to take place on campus under the University's regulations and measures for protection against infection. Due to the coronavirus situation we might have to restrict the number of participants depending on the size of the lecture rooms. We will only shift the course to Zoom if the development of the coronavirus situation and the University regulations force us to do so. Please register for the course on Stud.IP so that you receive all pertinent information in due time (e.g., virtual meetings; online exam). All registered students will receive the Stud.IP course password by e-mail by February 18, 2022. This allows registered students to access the Zoom link (if needed) and the course materials.

Date	Time	Location	Type	Lecturer	Topic
07.02.2022	14:00-15:00	Zoom		Langlotz	Optional Q&A on Organizational Issues
14.02.2022	-23:59			Langlotz	Submission of Preferences for Paper Presentation (see Section 1.5)
28.02.2022	14:00-16:00 c.t.	TBD	Lecture	Kis-Katos	1. Measuring Development
	16:00-18:00 c.t.	TBD	Lecture	Kis-Katos	2. Trade Policy and Local Development
01.03.2022	10:00-12:00 c.t.	TBD	Tutorial	Langlotz	Topics 1,2
	14:00-16:00 c.t.	TBD	Lecture	Kis-Katos	3. International Migration and Development
	16:00-18:00 c.t.	TBD	Lecture	Kis-Katos	4. Government Decentralization
02.03.2022	10:00-12:00 c.t.	TBD	Tutorial	Langlotz	Topics 3,4
	14:00-16:00 c.t.	TBD	Lecture	Langlotz	5. Conflict and Development
	16:00-18:00 c.t.	TBD	Lecture	Langlotz	6. Media and Political Outcomes
03.03.2022	10:00-12:00 c.t.	TBD	Tutorial	Langlotz	Topics 5,6
	14:00-16:00 c.t.	TBD	Lecture	Hartwig	7. Political Selection and Politician Behavior
	16:00-18:00 c.t.	TBD	Lecture	Hartwig	8. Marriage and Fertility
04.03.2022	10:00-12:00 c.t.	TBD	Tutorial	Langlotz	Topics 7,8
28.03.2022	14:00-16:00 c.t.	TBD	Lecture	Strulik	9. Modern vs. Pre-Modern Growth
	16:00-18:00 c.t.	TBD	Lecture	Strulik	10. The Demographic Transition and History Augmented Solow Model
29.03.2022	10:00-12:00 c.t.	TBD	Tutorial	Langlotz	Topics 9,10
	14:00-16:00 c.t.	TBD	Lecture	Strulik	11. Human Physiology, Development, and the Reversal of Fortune
	16:00-18:00 c.t.	TBD	Lecture	Strulik	12. The Past and Future of Knowledge-Based Growth
30.03.2022	10:00-12:00 c.t.	TBD	Tutorial	Langlotz	Topics 11,12
	14:00-16:00 c.t.	TBD	Lecture	Fuchs	13. Politics of Development Aid
	16:00-18:00 c.t.	TBD	Tutorial	Langlotz	Topic 13
31.03.2022	10:00-12:00 c.t.	TBD	Lecture	Fuchs	14. Effectiveness of Development Aid
	14:00-16:00 c.t.	TBD	Lecture	Fuchs	15. International Financial Institutions
	16:00-18:00 c.t.	TBD	Tutorial	Langlotz	Topics 14,15
08.04.2022	10:00-11:30	Online	Exam	Langlotz	

### 3. Literature

#### 3.1 General readings (not required, but recommended)

§ Ray, D. 1998. *Development Economics*. Princeton: Princeton University Press.

§ Basu, K. 1997. *Analytical Development Economics*. Cambridge: MIT Press.

§ Bardhan, P., and C. Udry. 1999. *Development Microeconomics*. Oxford: Oxford University Press.

§ Banerjee, A., and E. Duflo. 2011. *Poor Economics: A Radical Rethinking of the Way to Fight Global Poverty*. New York City: PublicAffairs.

Kremer, M., G. Rao, and F. Schilbach. 2019. *Behavioral Development Economics. Handbook of Behavioral Economics, 2*. Elsevier.

(§ = Books available in the SUB and/or WISO-BIB)

#### 3.2 Readings per lecture and corresponding tutorial

**We expect you to read the key readings highlighted with an asterisk (\*) before the respective lecture.** This will allow us to engage in a vivid discussion about each paper's merits and limitations.

### 1. Measuring Development (Kis-Katos)

#### Lecture

\* Burke, M., A. Driscoll, D.B. Lobell, and S. Ermon. 2021. Using Satellite Imagery to Understand and Promote Sustainable Development. *Science* 371 (6535).

Henderson, V.J., A. Storeygard, and D.N. Weil. 2012. Measuring Economic Growth from Outer Space. *American Economic Review* 102 (2): 994-1028.

#### Tutorial

Aiken, E., S. Bellue, D. Karlan, C.R. Udry, and J. Blumenstock. 2021. Machine Learning and Mobile Phone Data Can Improve the Targeting of Humanitarian Assistance. *NBER Working Paper Series* 29070.

Barangwanath Vogel, K., R. Goldblatt, G. Hanson, and A.K. Khandelwal. 2018. Detecting Urban Markets with Satellite Imagery: An Application to India. *NBER Working Paper Series* 29070.

Chi, G., H. Fang, S. Chatterjee, and J.E. Blumenstock. 2021. Micro-Estimates of Wealth for all Low- and Middle-Income Countries. *arXiv* abs/2104.07761.

Huang, L.Y., S.M. Hsiang, and M. Gonzalez-Navarro. 2021. Using Satellite Imagery and Deep Learning to Evaluate the Impact of Anti-Poverty Programs. *NBER Working Paper Series* 29070.

## 2. Trade Policy and Local Development (Kis-Katos)

### Lecture

\* Adão, R., M. Kolesár, and E. Morales. 2019. Shift-Share Designs: Theory and Inference. *Quarterly Journal of Economics* 134 (4): 1949-2010.

Kis-Katos, K., and R. Sparrow. 2015. Poverty, Labor Markets and Trade Liberalization in Indonesia. *Journal of Development Economics* 117: 94-106.

### Additional material

Atkin, D., and A.K. Khandelwal. 2020. How Distortions Alter the Impact of International Trade in Developing Countries. *Annual Review of Economics* 12: 213-238.

Goldberg, P. K., and N. Pavcnik. 2016. The Effects of Trade Policy. *NBER Working Paper Series* 21957. (also a chapter in *Handbook of Commercial Policy*)

Kovak, B. 2013. Regional Effects of Trade Reform: What is the Correct Measure of Liberalization? *American Economic Review* 103 (5): 1960-1976.

### Tutorial

Atkin, D., B. Faber, and M. Gonzalez-Navarro. 2017. Retail Globalization and Household Welfare: Evidence from Mexico. *Journal of Political Economy* 126 (1): 1-73.

Dix-Carneiro, R., and B.K. Kovak. 2017. Trade Liberalization and Regional Dynamics. *American Economic Review* 107 (10): 2908-2946.

Dix-Carneiro, R., R. Soares, and G. Ulyssea. 2018. Economic Shocks and Crime: Evidence from the Brazilian Trade Liberalization. *American Economic Journal: Applied Economics* 10 (4): 158-195.

McCaig, B., and N. Pavcnik. 2018. Export Markets and Labor Allocation in a Low-Income Country. *American Economic Review* 108 (7): 1899-1941.

## 3. International Migration and Development (Kis-Katos)

### Lecture

\* Becker, S.O., I. Grosfeld, P. Grosjean, N. Voigtländer, and E. Zhuravskaya. 2020. Forced Migration and Human Capital: Evidence from Post-WWII Population Transfers. *American Economic Review* 110 (5), 1430-1463.

Gazeaud, J., E. Mvukiyehe, and O. Sterck. 2021. Cash Transfers and Migration: Theory and Evidence from a Randomized Controlled Trial. *Review of Economics and Statistics*: 1-45. [https://doi.org/10.1162/rest\\_a\\_01041](https://doi.org/10.1162/rest_a_01041).

### Additional material

Hanson, G. 2010. International Migration and the Developing World. In *Handbook of Development Economics*, 4363-4414. Elsevier.

Dustmann, C., and J.-S. Görlach. 2016. The Economics of Temporary Migrations. *Journal of Economic Literature* 54 (1): 98-136.

Docquier, F., and H. Rapoport. 2012. Globalization, Brain Drain, and Development. *Journal of Economic Literature* 50 (3): 681-730.

### **Tutorial**

- Barsbai, T., H. Rapoport, A. Steinmayr, and C. Trebesch. 2017. The Effect of Labor Migration on the Diffusion of Democracy: Evidence from a Former Soviet Republic. *American Economic Journal: Applied Economics* 9 (3): 36-69.
- Knight, B.G., and A. Tribin. 2020. Immigration and Violent Crime: Evidence from the Colombia-Venezuela Border. *NBER Working Paper Series* 27620.
- Lagakos, D., S. Marshall, A.M. Mobarak, C. Vernet, and M.E. Waugh. 2020. Migration Costs and Observational Returns to Migration in the Developing World. *NBER Working Paper Series* 26868.
- Peri, G., and A. Sasahara. 2019. The Impact of Global Warming on Rural-Urban Migrations: Evidence from Global Data. *NBER Working Paper Series* 25728.

## **4. Government Decentralization (Kis-Katos)**

### **Lecture**

- \* Cisneros, E., K. Kis-Katos, and N. Nuryartono. 2021. Palm Oil and the Politics of Deforestation in Indonesia. *Journal of Environmental Economics and Management*. <https://doi.org/10.1016/j.jeem.2021.102453>.
- Gadenne, L., and M. Singhal. 2014. Decentralization in Developing Economies. *Annual Review of Economics* 6 (1): 581-604.

### **Additional material**

- Bardhan, P. 2016. State and Development: The Need for a Reappraisal of the Current Literature. *Journal of Economic Literature* 54 (3): 862-892.

### **Tutorial**

- Bai, Y., and R. Jia. 2021. The Economic Consequences of Political Hierarchy: Evidence from Regime Changes in China, 1000-2000 C.E. *Review of Economics and Statistics*. [https://doi.org/10.1162/rest\\_a\\_01058](https://doi.org/10.1162/rest_a_01058).
- Bazzi, S., and M. Gudgeon. 2021. The Political Boundaries of Ethnic Divisions. *American Economic Journal: Applied Economics* 13 (1): 235-66.
- Bluhm, R., C. Lessmann, and P. Schaudt. 2020. The Political Geography of Cities. Unpublished working paper.
- Eberle, U.J., J.V. Henderson, D. Rohner, and K. Schmidheiny. 2020. Ethnolinguistic Diversity and Urban Agglomeration. *Proceedings of the National Academy of Sciences*. 117 (28): 16250-16257.
- Kresch, E.P. 2020. The Buck Stops where? Federalism, Uncertainty, and Investment in the Brazilian Water and Sanitation Sector. *American Economic Journal: Economic Policy* 12 (3): 374-401.

## 5. Conflict and Development (Langlotz)

### Lecture

\* Berman, N., and M. Couttenier. 2015. External Shocks, Internal Shots: The Geography of Civil Conflicts. *Review of Economics and Statistics* 97 (4): 758–776.

### Additional material

Blair, G., D. Christensen, and A. Rudkin. 2021. Do Commodity Price Shocks Cause Armed Conflict? A Meta-Analysis of Natural Experiments. *American Political Science Review* 115 (1): 1-8.

Dell, M., and P. Querubin. 2018. Nation Building Through Foreign Intervention: Evidence from Discontinuities in Military Strategies. *The Quarterly Journal of Economics* 133 (2): 701-764.

### Tutorial

Angrist, J.D., and A.D. Kugler. 2008. Rural Windfall or a New Resource Curse? Coca, Income, and Civil Conflict in Colombia. *Review of Economics and Statistics* 90 (2): 191–215.

Berman, N., M. Couttenier, D. Rohner, and M. Thoenig. 2017. This Mine is Mine! How Minerals Fuel Conflicts in Africa. *American Economic Review* 107 (6): 1564–1610.

Sexton, R. 2016. Aid as a Tool against Insurgency: Evidence from Contested and Controlled Territory in Afghanistan. *The American Political Science Review* 110 (4): 731–749.

Voors, M. J., E. E. M. Nillesen, P. Verwimp, E.H. Bulte, R. Lensink, and D. P. Van Soest. 2012. Violent Conflict and Behavior: A Field Experiment in Burundi. *American Economic Review* 102 (2): 941–964.

## 6. Media and Political Outcomes (Langlotz)

### Lecture

Durante, R., P. Pinotti, and A. Tesei. 2019. The Political Legacy of Entertainment TV. *American Economic Review* 109 (7): 2497–2530.

\* Guriev, S., N. Melnikov, and E. Zhuravskaya. 2020. 3G Internet and Confidence in Government. *The Quarterly Journal of Economics* 136 (4): 2533-2613. doi: 10.1093/qje/qjaa040.

### Additional material

Armand, A., P. Atwell, and J.F. Gomes. 2020. The Reach of Radio: Ending Civil Conflict through Rebel Demobilization. *American Economic Review* 110 (5): 1395–1429.

Dietrich, N., and K. Eck. 2020. Known Unknowns: Media Bias in the Reporting of Political Violence. *International Interactions* 46 (6): 1043–1060.

### Tutorial

Adena, M., R. Enikolopov, M. Petrova, V. Santarosa, and E. Zhuravskaya. 2015. Radio and the Rise of the Nazis in prewar Germany. *The Quarterly Journal of Economics* 130 (4): 1885–1939.

Armand, A., P. Atwell, and J.F. Gomes. 2020. The Reach of Radio: Ending Civil Conflict through Rebel Demobilization. *American Economic Review* 110 (5): 1395–1429.

DellaVigna, S., R. Enikolopov, V. Mironova, M. Petrova, and E. Zhuravskaya. 2014. Crossborder Media and Nationalism: Evidence from Serbian Radio in Croatia. *American Economic Journal: Applied Economics* 6 (3): 103–32.

Manacorda, M., and A. Tesei. 2020. Liberation Technology: Mobile Phones and Political Mobilization in Africa. *Econometrica* 88 (2): 533-567.



## 7. Political Selection and Politician Behavior (Hartwig)

### Lecture

\* Dal Bó, E., and F. Finan. 2018. Progress and Perspectives in the Study of Political Selection. *Annual Review of Economics* 10: 541-575.

### Additional material

Avis, E., C. Ferraz, and F.S. Finan. 2018. Do Government Audits Reduce Corruption? Estimating the Impacts of Exposing Corrupt Politicians. *Journal of Political Economy* 126 (5): 1912-1964.

Cruz, C., J. Labonne, and P. Querubin. 2017) Politician Family Networks and Electoral Outcomes: Evidence from the Philippines. *American Economic Review* 107 (10): 3006-3037.

Fisman, R., J. Shi, Y. Wang, and W. Wu. 2020. Social Ties and the Selection of China's Political Elite. *American Economic Review* 110 (6): 1752-1781.

### Tutorial

Abeler, J., D. Nosenzo, and C. Raymond. 2019. Preferences for Truth-Telling. *Econometrica* 87 (4): 1115-1153.

Banerjee, P., V. Iversen, S. Mitra, A. Nicoló, and K. Sen. 2019. Politicians and their Promises in an Uncertain World: Evidence from a Lab-in-the-Field Experiment in India. *WIDER working paper* 2019/16.

Banuri, S., and P. Keefer. 2016. Pro-social Motivation, Effort and the Call to Public Service. *European Economic Review* 83: 139-164.

Enemark, D., C.C. Gibson, M.D. McCubbins, and B. Seim. 2016. Effect of Holding Office on the Behavior of Politicians. *Proceedings of the National Academy of Sciences* 113 (48): 13690-13695.

Sheffer, L., P. Loewen, S. Sorkoka, T. Sheaffer, and S. Walgrave. 2018. Non-representative Representatives? An Experimental Study of the Decision Making of Elected Politicians. *American Political Science Review* 112 (2): 302-321.

## 8. Marriage & Fertility (Hartwig)

### Lecture

\* Neelakantan, U., and M. Tertilt. 2008. A Note on Marriage Market Clearing. *Economic Letters* 101 (2): 103-105.

\* Tapsoba, A. 2021. Polygyny, Timing of Marriage and Economic Shocks in Sub-Saharan Africa. Mimeo. *WP Working Papers* 1240.

(Available from: [https://www.dropbox.com/s/srj6lv4kz05r9xf/Tapsoba\\_Paper1\\_Polygyny.pdf?dl=0](https://www.dropbox.com/s/srj6lv4kz05r9xf/Tapsoba_Paper1_Polygyny.pdf?dl=0)).

### Additional material

Baland, J.-M., and R. Ziparo. 2018. Intra-household Bargaining in Poor Countries. In *Towards Gender Equity in Development* edited by S. Anderson, L. Beaman and, J.-P. Platteau. Oxford University Press.

(update available from: <https://oxford.universitypressscholarship.com/view/10.1093/oso/9780198829591.001.0001/oso-9780198829591-chapter-4>).

## **Tutorial**

- Ashraf, N., E. Field, A. Voena, and R. Ziparo. 2020. Maternal Mortality and the Gender Gap in the Demand for Children in Zambia. *NBER Working Paper Series* 28220. doi: 10.3386/w28220.
- Barr, A., M. Dekker, W. Janssens, B. Kebede, and B. Kramer. 2018. Cooperation in Polygynous Households. *American Economic Journal: Applied Economics* 11 (2): 266-283.
- Corno, L., N. Hildebrandt, and A. Voena. 2020. Age of Marriage, Weather Shocks and the Direction of Marriage Payments. *Econometrica* 88 (3): 879-915.
- Tertilt, M. 2005. Polygyny, Fertility and Savings. *Journal of Political Economy* 113 (6): 1341-1371.

## **9. Modern vs. Pre-Modern Growth (Strulik)**

### **Lecture**

- \* Mankiw, N.G., D. Romer, and D.N. Weil. 1992. A Contribution to the Empirics of Economic Growth. *Quarterly Journal of Economics* 107: 407-437.
- Ashraf, Q., and O. Galor. 2011. Dynamics and Stagnation in the Malthusian Epoch. *American Economic Review* 101 (5): 2003-2041.
- Kremer, M. 1993. Population Growth and Technological Change: One Million BC to 1990. *Quarterly Journal of Economics* 108 (3): 681-716.

## **Tutorial**

- Caselli, F. 2005. Accounting for Cross-Country Income Differences. In *Handbook of Economic Growth* Vol. 1A, edited by P. Aghion, and S.N. Durlauf, 679–741. New York: North-Holland.
- Hsieh, C. T., and P.J. Klenow. 2010. Development Accounting. *American Economic Journal: Macroeconomics* 2 (1): 207-223.
- Hall, R.E., and C.I. Jones. 1999. Why Do Some Countries Produce so Much More Output per Worker than Others? *Quarterly Journal of Economics* 114 (1): 83–116.
- Voigtländer, N., and H.J. Voth. 2012. The Three Horsemen of Riches: Plague, War, and Urbanization in Early Modern Europe. *Review of Economic Studies* 80 (2): 774-811.
- Sharp, P., H. Strulik, and J. Weisdorf. 2012. The Determinants of Income in a Malthusian Equilibrium. *Journal of Development Economics* 97 (1): 112-117.
- Lee, R.D. 1987. Population Dynamics of Humans and Other Animals. *Demography* 24 (4): 443-465.

## **10. The Demographic Transition and History Augmented Solow Model (Strulik)**

### **Lecture**

- Lee, R. 2003. The Demographic Transition: Three Centuries of Fundamental Change. *The Journal of Economic Perspectives* 17 (4): 167-190.
- Reher, D. S. 2004. The Demographic Transition Revisited as a Global Process. *Population, Space and Place* 10 (1): 19-41.
- \* Dalgaard, C. J., and H. Strulik. 2013. The History Augmented Solow Model. *European Economic Review* 63: 134-149.

## **Tutorial**

- Herzer, D., H. Strulik, and S. Vollmer. 2012. The Long-Run Determinants of Fertility: One Century of Demographic Change 1900–1999. *Journal of Economic Growth* 17: 357-385.
- Lagerlöf, N.P. 2006. The Galor–Weil Model Revisited: A Quantitative Exercise. *Review of Economic Dynamics* 9 (1): 116-142.
- Hansen, G.D., and E.C. Prescott. 2002. Malthus to Solow. *The American Economic Review* 92 (4): 1205-1217.
- Strulik, H., and J. Weisdorf. 2008. Population, Food, and Knowledge: A Simple Unified Growth Theory. *Journal of Economic Growth* 13 (3): 195-216.
- Becker, S.O., F. Cinnirella, and L. Woessmann. 2010. The Trade-Off between Fertility and Education: Evidence from before the Demographic Transition. *Journal of Economic Growth* 15 (3): 177-204.

## **11. Human Physiology, Development, and the Reversal of Fortune (Strulik)**

### **Lecture**

- \* Dalgaard, C. J., J.B. Madsen, and H. Strulik. 2021. Physiological Constraints and the Transition to Growth: Implications for Comparative Development. *Journal of Economic Growth* 26 (3): 1-49.
- Dalgaard, C. J., and H. Strulik. 2015. The Physiological Foundations of the Wealth of Nations. *Journal of Economic Growth* 20 (1): 37-73.
- Dalgaard, C. J., and H. Strulik. 2016. Physiology and Development: Why the West is Taller than the Rest. *Economic Journal* 126 (598): 2292-2323.
- Madsen, J. B., and H. Strulik. 2021. Testing Unified Growth Theory: Technological Progress and the Child Quantity–Quality Trade-Off. *Cege Discussion Papers* 393-2020.

### **Tutorial**

- Fogel, R.W. 1994. Economic Growth, Population Theory, and Physiology: The Bearing of Long-Term Processes on the Making of Economic Policy. *American Economic Review* 84: 369-395.
- Dalgaard, C.-J., and H. Strulik. 2011. A Physiological Foundation for the Nutrition-Based Efficiency Wage Model. *Oxford Economic Papers* 63: 232-253
- Acemoglu, D., S. Johnson, and J.A. Robinson. 2002. Reversal of Fortune: Geography and Institutions in the Making of the Modern World Income Distribution. *Quarterly Journal of Economics* 117: 1231–1294.
- Olsson, O., and C. Paik. 2016. Long-Run Cultural Divergence: Evidence from the Neolithic. *Journal of Development Economics* 122: 197-213.
- Chanda, A., C.J. Cook, and L. Putterman. 2014. Persistence of Fortune: Accounting for Population Movements, There Was No Post-Columbian Reversal. *American Economic Journal: Macroeconomics* 6 (3): 1-28.

## 12. The Past and Future of Knowledge-Based Growth (Strulik)

### Lecture

\* Strulik, H., K. Prettner, and A. Prskawetz. 2013. The Past and Future of Knowledge-Based Growth. *Journal of Economic Growth* 18 (4): 411-437.

### Tutorial

Dalgaard, C.-J., and C.T. Kreiner. 2001. Is Declining Productivity Inevitable? *Journal of Economic Growth* 6: 187-203.

Jones, C.I. 2001. Was An industrial Revolution Inevitable? Economic Growth over the Very Long Run. *Advances in Macroeconomics* 1: 1-43.

Jones, C.I. 2002. Sources of U.S. Economic Growth in a World of Ideas. *American Economic Review* 92: 220-239.

Galor, O., and A. Mountford. 2008. Trading Population for Productivity: Theory and Evidence. *Review of Economic Studies* 75: 1143-1179.

Benhabib, J., and M.M. Spiegel. 2005. Human Capital and Technology Diffusion. *Handbook of economic growth* 1: 935-966.

Hanushek, E. A., and L. Woessmann. 2012. Do Better Schools Lead to More Growth? Cognitive Skills, Economic Outcomes, and Causation. *Journal of Economic Growth* 17 (4): 267-321.

Ha, J., and P. Howitt. 2007. Accounting for Trends in Productivity and R&D: A Schumpeterian Critique of Semi-Endogenous Growth Theory. *Journal of Money, Credit and Banking* 39 (4): 733-774.

## 13. Politics of Development Aid (Fuchs)

### Lecture

\* Budjan, A.J., and A. Fuchs. 2021. Democracy and Aid Donorship. *American Economic Journal: Economic Policy* 13 (4): 217-238.

### Additional material

Alesina, A., and D. Dollar. 2000. Who Gives Foreign Aid to Whom and Why? *Journal of Economic Growth* 5 (1): 33-63.

Doucoulagos, H. 2019. The Politics of International Aid. In *The Oxford Handbook of Public Choice* Volume 2 edited by R.D. Congleton, B. Grofman, and S. Voigt. New York, NY: Oxford University Press.

### Tutorial

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