



Motores del Crecimiento Económico: Innovación, Instituciones y Capital Humano



[Econ 62 -145-13691, Magistrales (Aula 9.2.03 M 10.45-12.15), Seminarios (Aula 15.1.43 V 10.45-12.15)]

Objetivos de la asignatura

El análisis de los orígenes y la naturaleza de la riqueza de las naciones están en los fundamentos de la ciencia económica. Esta asignatura trata de revelar el estado de conocimiento actual acerca de las causas, factores, fuentes, mecanismos del crecimiento económico, centrándose en los que pueden considerarse últimos más que próximos. El curso revisará las teorías fundamentales del crecimiento económico, proporcionará material para evaluar su actual estado y discutirá el diseño de políticas económicas.

Estructura de la asignatura

La asignatura transcurre por dos vías paralelas: la primera proporcionará los fundamentos teóricos y la evidencia empírica para comprender el estado actual de crecimiento económico y la segunda vía llevará a la elaboración y defensa de un proyecto final relacionado con los contenidos de la asignatura. La 1ª vía alternará clases magistrales donde se resumen y amplían las lecturas básicas con seminarios en los que los alumnos presentarán informes basados en tareas que se realizarán con la bibliografía extensa asignada. Estas tareas abarcan un abanico amplio de formatos tales como resúmenes de investigaciones, presentación y discusión de resultados de modelos econométricos, identificación de problemas a la hora hacer modelos y cuantificar crecimiento económico; y propuestas y defensas de políticas y proyectos de crecimiento económico. La dinámica del curso será la de un equipo de investigación trabajando en crecimiento económico. La 2ª vía se organiza como una secuencia de talleres donde se prepara y mejora el ensayo de investigación final.

Prerrequisitos

Se le exigirá leer una cantidad muy importante de artículos, en su mayor parte disponibles en la red. Se le exige leer todos los artículos asignados y además una preparación concienciada de los debates de clase. Los debates forman una parte muy importante del curso y contribuyen decisivamente a la nota final. Esta asignatura es un curso aplicado y se le exige la asistencia a **TODAS** las clases magistrales y **TODOS** los seminarios y debates. Es imprescindible tener un dominio sólido del inglés y contar con una formación previa en econometría para poder comprender los textos de la asignatura. Se da por hecho una capacidad de lectura muy elevada: se exigirá un volumen de hasta sesenta páginas por día de bibliografía académica asignadas al curso.

Formato de los seminarios

Los seminarios tendrán una variedad de formatos. Durante los debates los estudiantes se dividirán en equipos. Los equipos competirán. Presentarán afirmaciones y contestarán preguntas del público de forma alterna. Cada equipo recibirá una cantidad de puntos en base a su actuación y los dividirá por méritos entre los miembros del grupo. Los equipos también presentarán informes de política económica. Estos informes se basarán en la información recogida, analizada y resumida junto con los artículos asignados. Cada equipo elaborará un informe sobre el tema asignado dirigido al gobierno ficticio de un país. Los equipos presentarán y defenderán sus recomendaciones de política económica. Al igual que en el caso de los debates recibirán unos puntos basados en su actuación, y los dividirá por méritos entre los miembros del grupo. Otros formatos de seminario se explicarán en clase.

Reglas

No habrá recuperaciones de ningún tipo en este curso. Si no asiste a los seminarios, exámenes u otra actividad evaluada recibirá un cero en esta parte del curso.

Estructura del curso

La asignatura está dividida en 5 bloques de dos semanas. Cada bloque se compone de una secuencia de lección magistral 1 – seminario 1 – lección magistral 2 – seminario 2. Cada sesión (tanto magistral como seminario) requiere la lectura previa de la bibliografía asignada. El número total de páginas se indica en **[corchetes]**. Las restantes cuatro semanas de sesiones del curso están distribuidas a lo largo de la asignatura y se emplean en la elaboración, el perfeccionamiento, la presentación y la defensa del proyecto de investigación final. Se resalta en amarillo en el calendario del curso.

Calendario del curso

62	Seminario		Práctica	
Semana	Día	Martes	Día	Viernes
Bloque 1				
Introducción al crecimiento económico				
1	31-ene.	Introducción al crecimiento económico	3-feb.	Cómo escribir un ensayo científico
2	7-feb.	La empírica del crecimiento	10-feb.	Crecimiento y desarrollo (reducción de la pobreza)
Bloque 2				
Capital, tecnología y crecimiento económico				
3	14-feb.	Introducción a capital, tecnología y crecimiento económico	17-feb.	Modelos y cuantificación del cambio tecnológico
4	21-feb.	Inversión, innovación y difusión	24-feb.	Estrategias I+D
Bloque 3				
Capital humano y crecimiento económico				
5	28-feb.	Población, capital humano y crecimiento económico	3-mar.	Modelos y cuantificación
6	7-mar.	Capital humano en el mundo desarrollado y en desarrollo	10-mar.	Políticas y estrategias de capital humano
Bloque 4				
Instituciones y crecimiento económico				
7	14-mar.	Introducción a instituciones y crecimiento económico	17-mar.	El debate sobre los orígenes de las buenas instituciones
8	21-mar.	Estado y capital social	24-mar.	Barreras y catalizadores institucionales
9	28-mar.	Presentación de borradores de ensayo - lectura cruzada	31-mar.	Presentación de borradores de ensayo - lectura cruzada
10	4-abr.	Consultas ensayos finales	7-abr.	Consultas ensayos finales
08 Abr a 17 Abr VACACIONES SEMANA SANTA				
Bloque 5				
Distribución, crecimiento económico y desigualdad				
11	18-abr.	Introducción Distribución, crecimiento económico y desigualdad	21-abr.	Las falacias de medición y hacer modelos
12	25-abr.	Pobreza y crecimiento económico	28-abr.	Políticas económicas y pobreza
Domingo, 30 de abril 24.00 h Entrega de ensayos				
13	2-may.	Fiesta Madrid	5-may.	Presentaciones y discusión
14	9-may.	Presentaciones y discusión	12-may.	Presentaciones y discusión
Lunes, 29 de mayo 18:00 h Examen ordinario			Jueves, 22 de junio 18:00 CET Examen extraordinario	

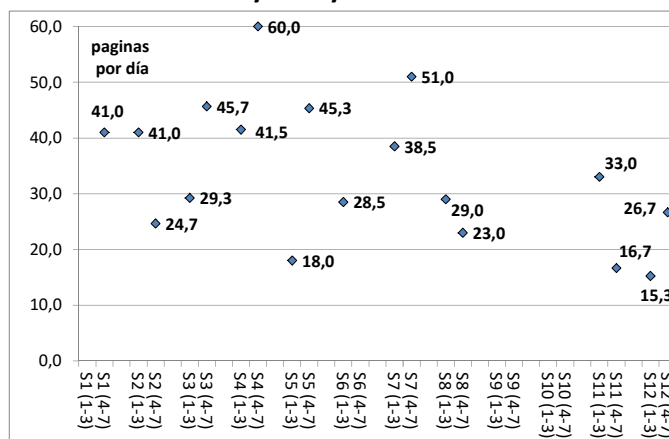
Esfuerzo lectura y ensayo

Semana	Día	Leer antes de páginas	Distribuido equitativo pp/d	Ensayo final horas	SemanaDías
Semana 1	Ene 31				S1 (1-3)
	Feb 03		41,0		S1 (4-7)
Semana 2	Feb 07	285	41,0		S2 (1-3)
	Feb 10	74	24,7		S2 (4-7)
Semana 3	Feb 14	117	29,3		S3 (1-3)
	Feb 17	137	45,7		S3 (4-7)
Semana 4	Feb 21	166	41,5		S4 (1-3)
	Feb 24	180	60,0		S4 (4-7)
Semana 5	Feb 28	72	18,0		S5 (1-3)
	Mar 03	136	45,3		S5 (4-7)
Semana 6	Mar 07	114	28,5	4	S6 (1-3)
	Mar 10	280	93,3		S6 (4-7)
Semana 7	Mar 14	154	38,5	8	S7 (1-3)
	Mar 17	153	51,0		S7 (4-7)
Semana 8	Mar 21	116	29,0	14	S8 (1-3)
	Mar 24	69	23,0		S8 (4-7)
Semana 9	Mar 28			8	S9 (1-3)
	Mar 31				S9 (4-7)
Semana 10	Abr 04			10	S10 (1-3)
	Abr 07				S10 (4-7)
Semana 11	Abr 18	132	33,0	16	S11 (1-3)
	Abr 21	50	16,7		S11 (4-7)
Semana 12	Abr 25	61	15,3	4	S12 (1-3)
	Abr 28	80	26,7		S12 (4-7)

Nota final

	Media antes de Examen Final > 6	Media antes de Examen Final < 6
Informes & presentaciones seminarios	33,30%	25%
Proyecto final, presentación y discusión	66,70%	50%
Examen final		25%
Total	100%	100%

Esfuerzo lectura y ensayo



Bloque 1. Introducción al Crecimiento Económico [497]

A. Primera magistral. Una introducción al crecimiento económico. Modelos antiguos y nuevos.

B. Primer seminario. Cómo escribir un ensayo científico.

C. Lecturas obligatorias Magistral 1 y 2 deben leerse antes de la segunda magistral. **Antes de martes, 31 Ene y 7 Feb.**

D. Segunda magistral. La empírica del crecimiento económico.

E. Lecturas obligatorias Seminario 2 deben leerse antes del segunda seminario. **Antes de viernes, 10 Feb.**

F. Segundo seminario. Crecimiento y desarrollo (reducción de la pobreza).

Semana 1 – Martes, 31 Ene

Lecturas Magistral 1. Una introducción al crecimiento económico. Modelos antiguos y nuevos. [156]

Obligatorias [156]

[13] Barro, Robert and Xavier Sala-i-Martin (1995). *Economic Growth*. MIT Press. Chapter Introduction. 1-13.

[31] Cypher, James M. and James L. Dietz (2010). "Classical and neoclassical theories," in *The Process of Economic Development*. Routledge. 3rd Edition, ch. 4, 109-139.

[31] Cypher, James M. and James L. Dietz (2010). "Endogenous growth theories and new strategies for development," in *The Process of Economic Development*. Routledge. 3rd Edition, ch. 8, 239-270.

[26] Aghion, Philippe and Peter Howitt (2009). "Neoclassical Growth Theory," in *The Economics of Growth*. London: MIT Press, 21-46.

[21] Aghion, Philippe & Peter Howitt (2009). "The AK Model," in *The Economics of Growth*. London: MIT Press, 47-68.

[15] Aghion, Philippe & P. Howitt (2009). "Product Variety," in *The Economics of Growth*. London: MIT Press, 69-83.

[19] Aghion, Philippe and Peter Howitt (2009). "The Schumpeterian Model," in *The Economics of Growth*. London: MIT Press, 85-103.

Semana 2 – Martes, 07 Feb

Lecturas Magistral 2. La empírica del crecimiento económico. [129]

Obligatorias [129]

[123] Durlauf, Stephen N., Paul A. Johnson, and Jonathan R.W. Temple (2005). "Growth Econometrics," Ch. 8 in Philippe Aghion and S. Durlauf (eds.) (2005). *Handbook of Economic Growth*. North Holland. 555-677.

[6] Sala-i-Martin, Xavier (1997). "I Just Ran Two Million Regressions," *American Economic Review* 87 (2), 178-183.

Semana 2 – Viernes, 10 Feb

Lecturas Seminario 2. Growth and development. [306]

Obligatorias [74]

[13] Deaton, Angus (2006). "Measuring Poverty." In A.V. Banerjee, R. Bénabou and D. Mookherjee (eds.), *Understanding Poverty*. New York: Oxford University Press, 3-15.

[17] Acemoglu, Daron, Simon Johnson and James Robinson (2006). "Understanding Prosperity and Poverty: Geography, Institutions and the Reversal of Fortunes," In A.V. Banerjee, R. Bénabou and D. Mookherjee (eds.), *Understanding Poverty*. New York: Oxford University Press, 19-35.

[25] Engerman, Stanley L. and Kenneth L. Sokoloff (2006). "Colonialism, Inequality and Long-run Paths of Development." In A.V. Banerjee, R. Bénabou and D. Mookherjee (eds.), *Understanding Poverty*. New York: Oxford University Press, 37-61.

[10] Piketty, Thomas (2006). "The Kuznets Curve: Yesterday and Tomorrow." In A.V. Banerjee, R. Bénabou and D. Mookherjee (eds.), *Understanding Poverty*. New York: Oxford University Press, 63-72.

[9] Aghion, Philippe & Beatriz Armendariz de Aghion (2006). "New Growth Approach to Poverty Alleviation," In A.V. Banerjee, R. Bénabou & D. Mookherjee (eds.), *Understanding Poverty*. New York: Oxford University Press, 73-81.

Complementarias [232]

[31] Allen, R. (2013). Poverty Lines in History, Theory and Current International Practice. Oxford Econ WP 685.

[100] Crafts, N.; O'Rourke, K. (2013). Twentieth Century Growth. Oxford Econ&SocHist WP 117 (Institutions and Technological Change)

[35] Henderson, J.V.; Storeygard, A. & Weil, D.A. (2012). Measuring Economic Growth from Outer Space. *American Economic Review* 102(2): 994-1028.

[44] Young, A. (2012). The African Growth Miracle. *Journal of Political Economy* 120 (4): 696-739.

[42] Young, Allwyn (1992). "A Tale of Two Cities: Factor Accumulation and Technical Change in Hong Kong and Singapore," NBER Macroeconomics Annual 7, 13-54.

Block 2. Capital, tecnología y crecimiento económico [2193]

- A. Lecturas obligatorias Magistral 1 deben leerse antes de la primera magistral. **Antes de martes, 14 Feb.**
- B. Primera magistral. Introducción a capital, tecnología y crecimiento económico.
- C. Lecturas obligatorias Seminario 1 deben leerse antes del primer seminario. **Antes de viernes, 17 Feb.**
- D. Primer seminario. Modelos y cuantificación del cambio tecnológico.
- E. Lecturas obligatorias Magistral 2 deben leerse antes de la segunda magistral. **Antes de martes, 21 Feb.**
- F. Segunda magistral. Invención, innovación y difusión.
- G. Lecturas obligatorias Seminario 2 deben leerse antes del segundo seminario. **Antes de viernes, 24 Feb.**
- H. Segundo seminario. Estrategias I+D.

Semana 3 – Martes, 14 Feb

Lecturas. Magistral 1. Introducción a capital, tecnología y crecimiento económico. [117]

Obligatorias [117]

- [23] Weil, David (2005). "Measuring Productivity," Chapter 7 in *Economic Growth*. Pearson, 182-204.
- [34] Weil, David (2005). "The Role of Technology in Growth," Chapter 8 in *Economic Growth*. Pearson, 205-238.
- [31] Weil, David (2005). "The Cutting Edge of Technology," Chapter 9 in *Economic Growth*. Pearson, 239-269.
- [29] Weil, David (2005). "Efficiency," Chapter 10 in *Economic Growth*. Pearson, 270-298.

Semana 3 – Viernes, 17 Feb

Lecturas. Seminario 1. Modelos y cuantificación del cambio tecnológico. [1235]

Obligatorias [137]

- [34] Hall, Robert and Charles I. Jones (1999). "Why Do Some Countries Produce So Much More Output per Worker Than Others?" *Quarterly Journal of Economics* 114, 83-116.
- [68] Mokyr, Joel (2005). "Long-Term Economic Growth and the History of Technology," in Philippe Aghion and S. Durlauf (eds.). *Handbook of Economic Growth*. North Holland. Ch. 17, 1113-1180.
- [35] Tsoulouhas, T. (1992). "A New Look at Demographic and Technological Changes". *Explorations in Economic History* 29, 169-203.

Recomendadas [641]

- [32] Benhabib, Jess and Mark M. Spiegel (2005). "Human Capital and Technological Diffusion," in Philippe Aghion and S. Durlauf (eds.). *Handbook of Economic Growth*. North Holland. Ch. 13, 935-966.
- [28] Dasgupta, P. and J. Stiglitz (1980). "Industrial Structure and the Nature of Innovative Activity," *The Economic Journal* 90 (358), 266-293.
- [58] DeLong, J. Bradford and Lawrence H. Summers (1991). "Equipment Investment and Economic Growth," *Quarterly Journal of Economics* 106:2 (May), 445-502.
- [30] Easterly, William (2006). "Reliving the 50s: the Big Push, Poverty Traps, and Takeoffs in Economic Development," *Journal of Economic Growth* 11 (4), 289-318
- [74] Greenwood, Jeremy (2005). "Technological Progress and Economic Transformation," in P. Aghion and S. Durlauf (eds.). *Handbook of Economic Growth*. North Holland. Ch. 19, 1225-1273.
- [26] Jones, C. (1995). "R&D-Based Models of Economic Growth," *Journal of Political Economy* 103, 759-784.
- [32] Jones, Charles (1995a). "Time Series Tests of Endogenous Growth Models," *Quarterly Journal of Economics* 110 (2), 495-526.
- [49] Jones, Chad (2005) "Growth and Ideas," in P. Aghion and S. Durlauf (eds.). *Handbook of Economic Growth*. North Holland. Ch. 16, 1063-1111.
- [31] Kortum, Samuel (1997). "Research, Patenting and Technological Change," *Econometrica* 65 (6), 1389-1419.
- [37] Laincz, C. (2005). "Market Structure and Endogenous Productivity Growth: How do R&D Subsidies Affect Market Structure?" *Journal of Economic Dynamics and Control* 29 (1), 187-223.
- [26] Laincz, C.A. and P. Peretto (2006). "Scale Effects in Endogenous Growth Theory: An Error of Aggregation Not Specification," *Journal of Economic Growth*, 11 (3), 263-288.
- [42] Luttmer, Erzo (2007). "Selection, Growth and the Size Distribution of Firms," *Quarterly Journal of Economics* 122 (3), 1103-44.
- [23] Nickell, S. (1996). "Competition and Corporate Performance," *Journal of Political Economy* 104 (4), 724-746.
- [20] Pagano, P. and F. Schivardi. (2003). "Firm Size Distribution and Growth," *Scandinavian Journal of Economics* 105 (2), 255-274.
- [24] Peretto, P. (1999). "Cost Reduction, Entry, and the Interdependence of Market Structure and Economic Growth," *Journal of Monetary Economics* 43 (1), 173-196.
- [46] Porter, M. and S. Stern. (2000). "Measuring the 'Ideas' Production Function: Evidence from International Patent Output," NBER Working Paper #7891.
- [19] Reinganum, J. (1985). "Innovation and Industry Evolution," *Quarterly Journal of Economics* 100 (1), 81-99.

- [21] Segerstrom, P. (1991). "Innovation, Imitation, and Economic Growth," *Journal of Political Economy* 99 (4): 807-827.
- [23] Young, A. (1998). "Growth Without Scale Effects," *Journal of Political Economy* 106 (1), 41-63.
- Complementarias [457]**
- [22] Ades, Alberto and Edward Glaeser (1999). "Evidence on growth, increasing returns, and the extent of the market," *Quarterly Journal of Economics* 114 (3), 1025-1046.
- [29] Dinopoulos, E. and P. Thompson. (1999). "Scale Effects in Schumpeterian Models of Economic Growth," *Journal of Evolutionary Economics* 9, 157-185.
- [41] 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), 734-774.
- [16] Howitt, P. (1999). "Steady Endogenous Growth with Population and R&D Inputs Growing," *Journal of Political Economy* 107 (4), 715-730.
- [6] Jones, C. I. (1999). "Growth: With or without Scale Effects?" Mimeo Stanford. Later published in *American Economic Review* 89 (2), 139-144.
- [33] Klette, J. and S. Kortum (2002), "Innovating Firms and Aggregate Innovation," *Journal of Political Economy* 112 (5), 986-1018.
- [24] Murphy, K. M., A. Shleifer and R.W. Vishny (1989). "Industrialization and the Big Push." *Journal of Political Economy* 97 (5), 1003-26
- [24] Parente, Stephen L. and Eduard Prescott (1994). "Barriers to Technology Adoption and Development." *Journal of Political Economy* 102 (2), 298-321.
- [29] Peretto, P. (1996). "Sunk Costs, Market Structure, and Growth," *International Economic Review* 47 (4), 895-923.
- [29] Peretto, P. (1998). "Technological Change and Population Growth," *Journal of Economic Growth* 3, 283-311.
- [23] Peretto, P. (2003). "Fiscal Policy and Long-Run Growth in R&D-Based Models with Endogenous Market Structure," *Journal of Economic Growth* 8 (3), 325-347.
- [34] Peretto, P. and M. Connolly, (2003). "Industry and the Family: Two Engines of Growth," *Journal of Economic Growth*, 8 (1), 115-148
- [22] Peretto, P. and M. Connolly. (2007). "The Manhattan Metaphor," *Journal of Economic Growth* 12 (4), 329-350
- [22] Peretto, P. and S. Smulders. (2002). "Technological Distance, Growth, and Scale Effects," *The Economic Journal* 112 (481), 603-624.
- [21] Thompson, P. (2001), "The Microeconomic Structure of R&D Based Models of Economic Growth." *Journal of Economic Growth* 6 (4), 263-283.
- [59] Weintraub, Gabriel, C. Lanier Benkard and Ben Van Roy (2006), "Markov Perfect Industry Dynamics with Many Firms." NBER Working Paper # 11900.
- [23] Zachariadis, Marios (2003). "R&D, Innovation, and Technological Progress: A Test of the Schumpeterian Framework without Scale Effects," *Canadian Journal of Economics* 36 (3), 566-86.

Semana 4 – Martes, 21 Feb

Lecturas Magistral 2. Invención, innovación y difusión. [166]

Obligatorias [166]

- [40] Lamoreaux, Naomi R., Kenneth L. Sokoloff and Dhanoos Sutthiphisal (2011). "The Reorganisation of Inventive Activity in the United States during the Early Twentieth Century." In D. Costa and N. Lamoreaux (eds.), *Understanding Long-Run Economic Growth. Geography, Institutions, and the Knowledge Economy*. NBER and University of Chicago Press. Pp. 235-274.
- [31] Khan, B. Zorina (2011). "Premium Inventions: Patents and Prizes as Incentive Mechanisms in Britain and the United States, 1750-1930," in D.L. Costa and N.R. Lamoreaux (eds.), *Understanding Long-Run Economic Growth. Geography, Institutions, and the Knowledge Economy*. NBER and University of Chicago Press. Pp. 205-234.
- [19] Khan, B. Zorina and Kenneth L. Sokoloff (1993). "'Schemes of Practical Utility': Entrepreneurship and Innovation Among 'Great Inventors' in the United States, 1790-1865," *Journal of Economic History* 53 (2), 289-307.
- [22] Khan, B. Zorina and Kenneth L. Sokoloff (1998). "Patent Institutions, Industrial Organization and Early Technological Change: Britain and the United States, 1790-1850." in M. Berg and K. Bruland (Eds.). *Technological Revolutions in Europe, 1760-1860*. London: Edward Elgar, 292-313.
- [38] Sokoloff, Kenneth L. (1988). "Inventive Activity in Early Industrial America: Evidence from Patent Records, 1790-1846," *Journal of Economic History* 48 (4), 813-50.
- [16] Sokoloff, Kenneth L. and B. Zorina Khan (1990). "The Democratization of Invention During Early Industrialization: Evidence from the United States, 1790-1846," *Journal of Economic History* 50 (2), 363-378.

Semana 4 – Viernes, 24 Feb

Obligatorias Lecturas Seminario 2. Estrategias I+D. [675]

a. Tecnología de Uso General.

Obligatorias [208]

- [26] Bresnahan, Timothy and Trajtenberg, M. (1995). "General Purpose Technologies: Engines of Growth?" *Journal of Econometrics* 65 (1), 83-108.
- [21] Cantner, U. and Vannuccini, S. (2012). "A New View of General Purpose Technologies." Jena WP 54.
- [14] Helpman, Elhanan (1998). "General Purpose Technologies and Economic Growth: Introduction." In E. Helpman (ed.). *General Purpose Technologies and Economic Growth*. Cambridge: MIT Press, 1-13.

- [35] Helpman, E. and Trajtenberg, M. (1998). "A Time to Sow and a Time to Reap: Growth Based on General Purpose Technologies." In E. Helpman (ed.). *General Purpose Technologies and Economic Growth*. Cambridge: MIT Press, 85-119.
- [41] Lipsey, Richard G., Cliff Bekar and Kenneth Carlaw (1998). "What Requires explanation?" In E. Helpman (ed.). *General Purpose Technologies and Economic Growth*. Cambridge: MIT Press, 14-54.
- [44] Jovanovic, Boyan and Peter L Rousseau (2005). "General Purpose Technology," in Philippe Aghion and S. Durlauf (eds.). *Handbook of Economic Growth*. North Holland. Ch. 18, 1181-1224.
- [27] Kretschmer, T. (2012). "Information and Communication Technologies and Productivity Growth: A Survey of the Literature." OECD Digital Economy Papers 195.

b. Comercio y transferencia de tecnología. [467]

Obligatorias [152]

- [29] Coe, David T. and Elhanan Helpman (1995). "International R&D Spillovers," *European Economic Review* 39 (5), 859-887.
- [26] Coe, David T. Elhanan Helpman, and Alexander W. Hoffmaister (1997). "North-South R&D Spillovers," *Economic Journal* 107 (440), 134-149.
- [34] Eaton, Jonathan and Samuel Kortum (1999). "International Technology Diffusion: Theory and Measurement," *International Economic Review* 40 (3), 537-570
- [14] Edwards, S. (1998). "Openness, Productivity, and Growth: What do we really know?" *Economic Journal* 108 (447), 385-398.
- [29] Harrison, A. (1996). "Openness and growth: a time series, cross-country analysis for developing countries," *Journal of Development Economics* 48 (2), 419-447.
- [20] Keller, W. (2002). "Trade and the Transmission of Technology," *Journal of Economic Growth* 7 (1), 5-24.

Recomendadas [260]

- [24] Connolly, M. (2003). "The Dual Nature of Trade: Measuring its Impact on Imitation and Growth," *Journal of Development Economics* 72 (1), 31-55
- [28] Feenstra, R. (1996). "Trade and Uneven Growth," *Journal of Development Economics* 49 (1), 229-256.
- [39] Head, K.; Mayer, T. (2013). "What separates us? Sources of resistance to globalization." CEPR DP 9614.
- [23] Keller, W. (2002). "Geographic Localization of International Technology Diffusion," *American Economic Review* 92 (1), 120-142.
- [75] Keller, W. (2009). "International trade, foreign direct investment, and technology spillovers." NBER WP 15442.
- [43] Strulik, H. (2012). "Knowledge and growth in the very long run." DP CEGE 145
- [28] Ventura, J. (1997). "Growth and Interdependence," *Quarterly Journal of Economics* 112 (1), 57-84.

Complementarias [55]

- [21] Baldwin, Richard E. and Rikard Forslid (2000). "Trade Liberalization and Endogenous Growth: A q-theory Approach," *Journal of International Economics* 50 (1), 497-517.
- [34] Rivera-Batiz, Luis A. and P. Romer (1991). "International Trade with Endogenous Technical Change," NBER Working Paper # 3594 later published as *European Economic Review* 35 (4), 971-1004.

Block 3. Capital humano y crecimiento económico [2059]

- A. Lecturas obligatorias Magistral 1 deben leerse antes de la primera magistral. **Antes de martes, 28 Feb.**
- B. Primera magistral. Población, capital humano y crecimiento. Salud y educación.
- C. Lecturas obligatorias Seminario 1 deben leerse antes del primer seminario. **Antes de viernes, 03 Mar.**
- D. Primer seminario. Modelos y cuantificación.
- E. Lecturas obligatorias Magistral 2 deben leerse antes de la segunda magistral. **Antes de martes, 07 Mar.**
- F. Segunda magistral. El siglo de capital humano. Liderazgo EEUU y catching-up.
- G. Lecturas obligatorias Seminario 2 deben leerse antes del segundo seminario. **Antes de viernes, 10 Mar.**
- H. Segundo seminario. Políticas y estrategias.

Semana 5 – Martes, 28 Feb

Lecturas Magistral 1. Capital humano y crecimiento. Salud y educación. [219]

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Semana 5 – Viernes, Mar 03

Lecturas Seminario 1. Modelos y cuantificación de educación y crecimiento económico. [1008]

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Semana 6 – Martes, 07 Mar

Lecturas Magistral 2. El siglo de capital humano. Liderazgo EEUU y catching-up. [273]

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Semana 6 – Viernes, 10 Mar

Lecturas Seminario 2. Políticas y estrategias.[559]

a) Intervenciones de educación en el mundo en desarrollo [291]

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b) Inversiones a temprana edad [268]

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Block 4. Instituciones y crecimiento económico [3277]

- A. Lecturas obligatorias Magistral 1 deben leerse antes de la primera magistral. **Antes de martes, 14 Mar.**
- B. Primera magistral. Instituciones y crecimiento económico.
- C. Lecturas obligatorias Seminario 1 deben leerse antes del primer seminario. **Antes de viernes, 17 Mar.**
- D. Primer seminario. El debate sobre el 'origen de las buenas instituciones'.
- E. Lecturas obligatorias Magistral 2 deben leerse antes de la segunda magistral. **Antes de martes, 21 Mar.**
- F. Segunda magistral. Estado y capital social.
- G. Lecturas obligatorias Seminario 2 deben leerse antes del segundo seminario. **Antes de viernes, 24 Mar.**
- H. Segundo seminario. Barreras y catalizadores institucionales.

Semana 7 – Martes, 14 Mar

Lecturas Magistral 1. Introducción a instituciones y crecimiento económico. [204]

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Semana 8 – Martes, 21 Mar

Lecturas Maqistral 2. Estado y capital social. [730]

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Semana 8 – Viernes, 24 Mar

Lecturas Seminario 2. Barreras y catalizadores institucionales. [1228]

a. Bienes y males públicos [502]

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b. Finanzas, crédito y microcrédito [726]

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Semana 9 – Presentación de propuestas de ensayo. Lectura cruzada. Martes 28 & Viernes 31 Mar.

Semana 10 – Talleres y consultas propuestas de ensayo. Martes 04 & Viernes 07 Abr.

Semana Santa, 08 Abr a 17 Abr

Block 5. Distribución, crecimiento económico y desigualdad [1791]

- A. Lecturas obligatorias Magistral 1 deben leerse antes de la primera magistral. **Antes de martes, 18 Abr.**
- B. Primera magistral. Distribución, crecimiento económico y desigualdad.
- C. Lecturas obligatorias Seminario 1 deben leerse antes del primer seminario. **Antes de viernes, 21 Abr.**
- D. Primer seminario. Medición y modelos.
- E. Lecturas obligatorias Magistral 2 deben leerse antes de la segunda magistral. **Antes de martes, 25 Abr.**
- F. Segunda magistral. Pobreza y crecimiento económico.
- G. Lecturas obligatorias Seminario 2 deben leerse antes del segundo seminario. **Antes de viernes, 28 Abr.**
- H. Segundo seminario. Política económica y pobreza.

Semana 10 – Martes, 18 Abr

Lecturas Magistral 1. Distribución, crecimiento económico y desigualdad. [483]

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Semana 10 – Viernes, 21 Abr

Lecturas Seminario 1. Medición y modelos. [256]

Obligatorias [230]

- [15] Banerjee, Abhijit and Esther Duflo (2000). "A Reassessment of the Relationship Between Inequality and Growth: Comment." MIT mimeo.
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Semana 11 – Martes, 25 Abr

Lecturas Magistral 2. Pobreza y crecimiento económico. [394]

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Semana 11 – Viernes, 28 Abr

Lecturas Seminario 2. Política económica y pobreza. [658]

a. Trampas y dinámicas de pobreza [362]

Obligatorias [362]

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b. Estrategias de crecimiento [296]

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Domingo, 30 Abr, 24.00 CET Fecha límite de entregar Ensayo Final

Semana 13 & 14 – Martes, 28 Abr; Martes, 5 May y Viernes, 8 May; – Presentaciones Ensayos Finales

Lunes, 29 May 18:00 horas Examen Final

Jueves, 22 Jun 18:00 horas Examen Extraordinario

Otros libros de texto:

Acemoglu, Daron (2008). *Introduction to Modern Economic Growth*. Princeton UP.

Acemoglu, Daron and James Robinson (2012). *Why Nations Fail. The Origins of Power, Prosperity and Poverty*. New York: Crown Business.

Aghion, Philippe and Stephen Durlauf (eds.)(2005). [*Handbook of Economic Growth*](#). North Holland.

Cohen, Jessica and William Easterly (Eds.) (2009). *What Works in Development? Thinking Big and Thinking Small*.

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Helpman, Elhanan (2005). *Mystery of Economic Growth*. Harvard University Press. S 330.35 HEL.

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Ray, Debraj (1998). *Development Economics*. Princeton University Press. is the best undergraduate textbook in development. D 330.34 RAY

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