

DEPARTMENT OF GEOGRAPHY & PROGRAM IN PLANNING  
University of Toronto  
GGR431H1S  
Regional Dynamics

Spring, 2015

**INSTRUCTOR:**

Professor R.J. DiFrancesco, Sidney Smith Hall, Room 5025a, 416-978-2935,  
[richard.difrancesco@utoronto.ca](mailto:richard.difrancesco@utoronto.ca)

**RECOMMENDED PREPARATION:**

Undergraduate training in economic geography or related field. To augment students' ability to extract meaning from assigned readings, undergraduate training in basic social science research methods would be an asset, though students will not have to perform any formal analyses as part of this course.

**DESCRIPTION:**

This course examines theoretical and empirical research that addresses a fundamental question in economic geography: why, in an era of increasing globalization and light-speed communication and collaboration possibilities at the pan-global scale, has the region remained a fundamentally important level of analysis for socioeconomic processes? In so doing, literatures dealing with regional economic development, knowledge circulation, corporate organization, globalization, evolutionary economics, innovation, the role of institutions and culture in economic growth and change, and economic clusters generally will be sampled.

**ORGANIZATION:**

One two-hour seminar per week.

**GRADE DETERMINATION:**

1. Research proposal & annotated bibliography - (5 pages)	10%
2. Presentation of research findings (15 minutes)	15%
3. Final research essay - 5,000 words (max)	35%
4. Final Exam	25%
5. Class attendance, participation and preparation	15%

**REQUIRED READING:**

We will make use of a listing of scholarly journal articles (see below) instead of a solitary text book. Note that no hard copy of these articles is being made available. All of the required readings are available through your "My Access" account with the University of Toronto Libraries (UTL). A digital version of this outline will be posted on the course web site (Portal), and all of the REQUIRED articles will be linked to it. Once you are logged into your "My Access" account, you will be able to follow these links to pdf versions of the papers in question.

**PENALTY FOR LATE WORK:**

A late penalty of 5% per day will be applied to assignments that are late by one week (defined as 7 consecutive days including weekends and holidays) or less. Assignments that are more than one week late will not be accepted.

**A NOTE ON ACADEMIC DISHONESTY:**

Students are reminded that there is a [Code of Behaviour on Academic Matters](#). You can read about 'The Code' by following the previous link OR in hard or digital copies of the Faculty of Arts and Science Calendar. Students are expected to abide by this code.

**ABOUT DOCTORS NOTES:**

Circumstances always arise which cause some people to legitimately miss a deadline. If you do become ill [or are otherwise incapacitated] you must submit a completed official UofT medical form with your assignment (note it must be filled in and signed by the attending physician). The instructor reserves the right to validate all medical documentation submitted (note this usually involves calling the physician).

### **SUBMITTING YOUR ESSAYS USING TURNITIN.COM:**

Normally, students will be required to submit their course essays to Turnitin.com for a review of textual similarity and detection of possible plagiarism. In doing so, students will allow their essays to be included as source documents in the Turnitin.com reference database, where they will be used solely for the purpose of detecting plagiarism. The terms that apply to the University's use of the Turnitin.com service are described on the Turnitin.com web site.

### **DETAILS:**

#### *Research Proposal & and Annotated Bibliography*

On the basis of considerable reading and thinking, you are to propose a research question relating to course material that you will address in a research essay. As part of this proposal you should also include an annotated bibliography which covers a good selection of **scholarly references** relating to your chosen issue. See a style guide regarding the production of an annotated bibliography. In order to do well on this assignment, the proposal and the accompanying annotated bibliography must show clear evidence of prior research and some reflection. It is important to note that this is not a preliminary proposal.

#### *Final Research Paper (Essay)*

The process of producing and refining a research proposal and producing a related annotated bibliography will culminate in the production of a research paper on the issue. The essay will be a formal essay of no more than 5,000 words and it will comprehensively discuss and critique the chosen issue on the basis of relevant scholarly sources.

#### *Class Attendance and Participation*

Weekly attendance and degree of preparation and participation will be tracked and will figure prominently in your grade. Full marks on this item will require that you attend each session having read the assigned readings and engage in discussion with the rest of the class.

**SCHEDULE:**

<b>Lctr.</b>	<b>Date</b>	<b>Topic</b>	<b>Required Reading</b>
1	1/6	Introduction	
2	1/13	Regions reconsidered	Storper (1995) Scott and Storper (2003)
3	1/20	Evolutionary Economic Geography	Essletzbichler and Rigby (2007) Boschma and Frenken (2009) Frenken and Boschma (2007)
4	1/27	Path Dependence, Lock-in etc.	Boschma (1997) Boschma and Lambooy (1999) Bathelt and Boggs (2003)
5	2/3	Clusters	Porter (2000) Saxenian (1996): Introduction Wolfe and Gertler (2004) Motoyama (2008)
6	2/10	Regional Economic Performance and Cluster Composition	Porter (2003) Cumbers and MacKinnon (2004) Saxenian (2006): chs. 1,2
Reading Week 02/17 through 02/21			
7	2/24	Cluster Genesis - The Importance of Institutions and Preconditions	Bramwell and Wolfe (2008) Feldman et al. (2005) Bresnahan et al. (2001)
8	3/3	Universities and knowledge transfers in regional economic development	Audretsch et al. (2013a, 2013b) D'Este et al. (2013) Saxenian (1996): ch. 1 Bramwell et al. (2008)
9	3/10	Knowledge Spillovers and Cluster Formation	Audretsch and Feldman (1996) Audretsch and Lehmann (2005) Wolfe and Gertler (2004) Doring and Schnellenbach (2006)
10	3/17	Remote knowledge sources in cluster dynamics	Bathelt et al. (2004) Bathelt and Cohendet (2014) Maskell (2014) Cohendet et al. (2014)
11	3/24	Term paper presentations - week 1	
12	3/31	Term paper presentations - week 2	
Term papers due in class			

**\* It is important to note that this list of topics and their sequencing is approximate and subject to change \***

## Reading List

Audretsch, D.B. and M.P. Feldman (1996). "R&D Spillovers and the Geography of Innovation and Production." <i>American Economic Review</i> , Vol. 86, No. 3, pp. 631-640.
<a href="http://simplelink.library.utoronto.ca/url.cfm/408990">http://simplelink.library.utoronto.ca/url.cfm/408990</a>
Audretsch, D.B., Link, A.N., and Peña-Legazkue, I. (2013). "Academic Entrepreneurship and Regional Economic Development: Introduction to the Special Issue." <i>Economic Development Quarterly</i> , Vol. 27, No. 1, pp. 3-5 (cited above as <b>Audretsch et al. (2013b)</b> ).
<a href="http://simplelink.library.utoronto.ca/url.cfm/409085">http://simplelink.library.utoronto.ca/url.cfm/409085</a>
Audretsch, D.B., D.P. Leyden, and A.N. Link (2013). "Regional Appropriation of Univeristy-Based Knowledge and Technology for Economic Development." <i>Economic Development Quarterly</i> , Vol. 27, No. 1, pp. 56-61. (cited above as <b>Audretsch et al. (2013a)</b> ).
<a href="http://simplelink.library.utoronto.ca/url.cfm/408992">http://simplelink.library.utoronto.ca/url.cfm/408992</a>
Audretsch, D.B. and E.E. Lehmann (2005). "Does the Knowledge Spillover Theory of Entrepreneurship hold for regions?" <i>Research Policy</i> , Vol. 34, pp. 1191-1202.
<a href="http://simplelink.library.utoronto.ca/url.cfm/408993">http://simplelink.library.utoronto.ca/url.cfm/408993</a>
Bathelt, H. A. Malmberg, and P. Maskell (2004). "Clusters and knowledge: local buzz, global pipelines and the process of knowledge creation." <i>Progress in Human Geography</i> , Vol. 28, No. 1; pp. 31-56.
<a href="http://simplelink.library.utoronto.ca/url.cfm/460850">http://simplelink.library.utoronto.ca/url.cfm/460850</a>
Bathelt, H.A., and Boggs, J. S. (2003). "Toward a Reconceptualization of Regional Development Paths: Is Leipzig's Media Cluster a Continuation of or a Rupture with the Past?" <i>Economic Geography</i> , Vol. 79, No. 3, pp. 265-293.
<a href="http://simplelink.library.utoronto.ca/url.cfm/460851">http://simplelink.library.utoronto.ca/url.cfm/460851</a>
Bathelt, H.A. and Cohendet, P. (2014). "The creation of knowledge: local building, global accessing and economic development - toward an agenda." <i>Journal of Economic Geography</i> , Vol. 14, pp. 869-882.
Bathelt, H.A. and Li, P. (2014). "Global cluster networks - foreign direct investment flows from Canada to China." <i>Journal of Economic Geography</i> , Vol. 14, pp. 45-71.
Boschma, R.A. (1997). "New industries and windows of location opportunity: A long-term analysis of Belgium." <i>Erdkunde</i> , Vol. 51, No. 1, pp. 1-19
pdf on the portal

Boschma, R. A. and Frenken, K. (2006). "Why is economic geography not an evolutionary science? Towards and evolutionary economic geography." *Journal of Economic Geography*, Vol. 6, pp. 273-302.

<http://simplelink.library.utoronto.ca/url.cfm/460855>

Boschma, R. A. and Frenken, K. (2009). "Some Notes on Institutions in Evolutionary Economic Geography." *Economic Geography*, Vol. 85, No. 2, pp. 151-158

<http://simplelink.library.utoronto.ca/url.cfm/460857>

Boschma, R. A. and Lambooy, J.G. (1999). "Evolutionary Economics and Economic Geography." *Journal of Evolutionary Economics*", Vol. 9, pp. 411-429.

<http://simplelink.library.utoronto.ca/url.cfm/460859>

Bramwell, A. And Wolfe, D. (2008). "Universities and regional economic development: The entrepreneurial University of Waterloo." *Research Policy*, Vol. 37, pp. 1175-1187.

<http://simplelink.library.utoronto.ca/url.cfm/84538>

Bramwell, A, Nelles, J, and Wolfe, D.A. (2008). "Knowledge, Innovation and Institutions: Global and Local Dimensions of the ICT Cluster in Waterloo, Canada." *Regional Studies*, Vol. 42, No.1, pp. 101-116.

<http://simplelink.library.utoronto.ca/url.cfm/84539>

Breschi, S. and F. Malerba (2001). "The Geography of Innovation and Economic Clustering: Some Introductory Notes." *Industrial and Corporate Change*, Vol. 10, No. 4, pp. 817-833.

<http://simplelink.library.utoronto.ca/url.cfm/409086>

Bresnahan, T., Gambardella, A., and Saxenian, A. (2001). "'Old Economy' Inputs for 'New Economy' Outcomes: Cluster Formation in the New Silicon Valleys." *Industrial and Corporate Change*, Vol. 10, No. 4, pp. 835-860.

<http://simplelink.library.utoronto.ca/url.cfm/409242>

Britton, J.N.H., D. Tremblay, and R. Smith (2009). "Contrasts in Clustering: The Example of Canadian New Media." *European Planning Studies*, Vol. 17, No. 2, pp. 211-234.

<http://simplelink.library.utoronto.ca/url.cfm/408987>

Cohendet, P., Grandadam, D. Simon, L. and Capdevila, I. (2014). "Epistemic communities, localization and the dynamics of knowledge creation." *Journal of Economic Geography*, Vol. 14, pp. 929-954.

<http://simplelink.library.utoronto.ca/url.cfm/460861>

Cumbers, A. and MacKinnon, D. (2004). "Introduction: Clusters in Urban and Regional Development." *Urban Studies*, Vol. 41. Nos. 5/6, pp. 9959-969.

<http://simplelink.library.utoronto.ca/url.cfm/408982>

Dawkins, C.J. (2003). "Regional Development Theory: Conceptual Foundations, Classic Works, and Recent Developments." *Journal of Planning Literature*, Vol. 18, No. 2, pp.131-172.

<http://simplelink.library.utoronto.ca/url.cfm/84542>

D'Este, P., Guy, F., and Iammarino, S. (2013). "Shaping the formation of university-industry research collaborations: what type of proximity does really matter?" *Journal of Economic Geography*, Vol. 13, pp. 537-558.

Doring, T. And Schnellenbach, J. (2006). "What Do We Know about Geographical Knowledge Spillovers and Regional Growth?: A Survey of the Literature." *Regional Studies*, Vol. 40, No. 3, pp.375-395.

<http://simplelink.library.utoronto.ca/url.cfm/84547>

Essletzbichler, J. and Rigby, D. (2007). "Exploring Evolutionary Economic Geographies." *Journal of Economic Geography*, Vol. 7, pp. 549-571

<http://simplelink.library.utoronto.ca/url.cfm/460863>

Feldman, M., Francis, J., Bercovitz, J. (2005). "Creating a Cluster While Building a Firm: Entrepreneurs and the Formation of Industrial Clusters." *Regional Studies*, Vol. 39, No. 1, pp. 129-141.

<http://simplelink.library.utoronto.ca/url.cfm/409080>

Feser, E.J. (2003). "What Regions Do Rather than Make: A Proposed Set of Knowledge-based Occupation Clusters." *Urban Studies*, Vol. 40, No. 10, pp. 1937-1958.

<http://simplelink.library.utoronto.ca/url.cfm/84550>

Feser, E., Renski, H. And Goldstein, H. (2008). "Clusters and Economic Development Outcomes: An Analysis of the Link Between Clustering and Industry Growth." *Economic Development Quarterly*, Vol. 22, No. 4, pp. 324-344.

<http://simplelink.library.utoronto.ca/url.cfm/84551>

Florida, R. Mellander, C. and Stolarick, K. (2008). "Inside the black box of regional development - human capital, the creative class and tolerance." *Journal of Economic Geography*, Vol. 8, pp. 615-649.

<http://simplelink.library.utoronto.ca/url.cfm/408932>

Frenken, K. and Boschma, R. A. (2007). "A theoretical framework for evolutionary economic geography: industrial dynamics and urban growth as a branching process." *Journal of Economic Geography*, Vol. 7, pp. 635-649.

<http://simplelink.library.utoronto.ca/url.cfm/460865>

Granovetter, M. (1985). "Economic Action and Social Structure: The Problem of Embeddedness." *American Journal of Sociology*, Vol. 91, No. 3, pp. 481-510.

<http://www.jstor.org/stable/2780199>

Martin, R. and P. Sunley (2003). "Deconstructing clusters: chaotic concept or policy panacea?" <i>Journal of Economic Geography</i> , Vol. 3, pp. 5-35.
<a href="http://simplelink.library.utoronto.ca/url.cfm/408978">http://simplelink.library.utoronto.ca/url.cfm/408978</a>
Martin, R. and P. Sunley (2006). "Path dependence and regional economic evolution." <i>Journal of Economic Geography</i> , Vol. 6, pp. 395-437.
<a href="http://simplelink.library.utoronto.ca/url.cfm/460867">http://simplelink.library.utoronto.ca/url.cfm/460867</a>
Maskell, P. (2001). "Towards a Knowledge-based Theory of the Geographical Cluster." <i>Industrial and Corporate Change</i> , Vol. 10, No. 4, pp. 921-943.
<a href="http://simplelink.library.utoronto.ca/url.cfm/409243">http://simplelink.library.utoronto.ca/url.cfm/409243</a>
Maskell, P. (2014). "Accessing remote knowledge - the roles of trade fairs, pipelines, crowdsourcing and listening posts." <i>Journal of Economic Geography</i> , Vol. 14, pp. 883-902.
<a href="http://simplelink.library.utoronto.ca/url.cfm/460853">http://simplelink.library.utoronto.ca/url.cfm/460853</a>
Montana, J.P. and Nenide, B. (2008). "The Evolution of Regional Industry Clusters and Their Implications for Sustainable Economic Development: Two Case Illustrations." <i>Economic Development Quarterly</i> , Vol. 22, No. 4, pp. 290-302.
<a href="http://simplelink.library.utoronto.ca/url.cfm/409245">http://simplelink.library.utoronto.ca/url.cfm/409245</a>
Motoyama, Y. (2008). "What was New About the Cluster Theory? What Could it Answer and What could it Not Answer?" <i>Economic Development Quarterly</i> , Vol. 22, No. 4, pp. 353-363.
<a href="http://simplelink.library.utoronto.ca/url.cfm/84563">http://simplelink.library.utoronto.ca/url.cfm/84563</a>
Nelson, R.R. and Winter, S.G. (1982). "An Evolutionary Theory of Economic Change." Cambridge, Harvard University Press.
On reserve at Robarts.
Porter, M.E. (2000). "Location, Competition, and Economic Development: Local Clusters in a Global Economy." <i>Economic Development Quarterly</i> , Vol. 14, No. 1, pp. 15-34.
<a href="http://simplelink.library.utoronto.ca/url.cfm/408975">http://simplelink.library.utoronto.ca/url.cfm/408975</a>
Porter, M.E. (2003). "The Economic Performance of Regions." <i>Regional Studies</i> , Vol. 37, No. 6&7, pp. 549-578.
<a href="http://simplelink.library.utoronto.ca/url.cfm/408972">http://simplelink.library.utoronto.ca/url.cfm/408972</a>
Reid, N., Smith, B.W., and Carroll, M.C. (2008). "Cluster Regions: A Social Network Perspective." <i>Economic Development Quarterly</i> , Vol. 22, No. 4, pp. 345-352.
<a href="http://simplelink.library.utoronto.ca/url.cfm/412182">http://simplelink.library.utoronto.ca/url.cfm/412182</a>
Saxenian, A. (1996). "Regional Advantage: Culture and Competition in Silicon Valley and Route 128." Harvard University Press.



<a href="http://go.utlib.ca/cat/6689745">http://go.utlib.ca/cat/6689745</a>
Saxenian, A. (1996). "Regional advantage: culture and competition in Silicon Valley and Route 128."
<a href="http://go.utlib.ca/cat/6689745">http://go.utlib.ca/cat/6689745</a> (This a link to an electronic version of the book. A physical copy is also on reserve at Robarts.)
Saxenian, A. (2006). "The New Argonauts: Regional Advantages in a Global Economy." Harvard University Press, Cambridge Mass.
On reserve at Robarts.
Scott, A.J. and Storper, M. (2003). "Regions, Globalization, Development." Regional Studies, Vol. 37, Nos. 6&7, pp. 579-593
<a href="http://simplelink.library.utoronto.ca/url.cfm/460868">http://simplelink.library.utoronto.ca/url.cfm/460868</a>
Slaper, T.F., N.R. Hart, T.J. Hall, and M.F. Thompson (2011). "The Index of Innovation: A New Tool for Regional Analysis." Economic Development Quarterly, Vol. 25, No. 1, pp. 36-53.
<a href="http://simplelink.library.utoronto.ca/url.cfm/409079">http://simplelink.library.utoronto.ca/url.cfm/409079</a>
Storper, M. (1995). "The Resurgence of Regional Economies, Ten Years Later: The Region as a Nexus of Untraded Interdependencies." European Urban and Regional Studies, Vol. 2, No. 3, pp. 191-221
<a href="http://simplelink.library.utoronto.ca/url.cfm/460869">http://simplelink.library.utoronto.ca/url.cfm/460869</a>
Storper, M. (2011). "Why do regions develop and change? The challenge for geography and economics." Journal of Economic Geography, Vol. 11, pp. 333-346
<a href="http://simplelink.library.utoronto.ca/url.cfm/460870">http://simplelink.library.utoronto.ca/url.cfm/460870</a>
Vicino, T.J., Hanlon, B. and Short, J.R. (2007). "Megalopolis 50 Years On: The Transformation of a City Region." International Journal of Urban and Regional Research, Vol. 31, No. 2, pp. 344-367.
<a href="http://simplelink.library.utoronto.ca/url.cfm/409363">http://simplelink.library.utoronto.ca/url.cfm/409363</a>
Wolfe, D.A., and Gertler, M.S. (2004). "Clusters from the Inside and Out: Local Dynamics and Global Linkages." Urban Studies, Vol. 41, Nos. 5&6, pp. 1071-1093.
<a href="http://simplelink.library.utoronto.ca/url.cfm/84571">http://simplelink.library.utoronto.ca/url.cfm/84571</a>
Wolfe, D.A. (2009). "21st Century Cities in Canada: The Geography of Innovation". The Conference Board of Canada, Ottawa, Ontario.
<a href="http://www.conferenceboard.ca/e-library/abstract.aspx?did=3311">http://www.conferenceboard.ca/e-library/abstract.aspx?did=3311</a>