

**Spring 2007**  
**AP EC 832 COMMUNITY AND REGIONAL ECONOMICS**  
**MW 2:30-3:45 p.m., Barre 222**  
**Course Syllabus**

**Texts**

*An Introduction to Geographical Economics* by Steven Brakman, etal (**BETAL**) 2005  
*Quantitative Development Policy Analysis* by E. Sadoulet and A. de Janvry (**SJ**) 1995 (optional)  
*Urban and Regional Economics* by P. McCann (**M**) 2001 (optional)

**Web Book of Regional Science.** <http://www.rri.wvu.edu/regscweb.htm>

*An Introduction to Regional Economics* by Edgar M. Hoover and Frank Giarratani(**HG**)  
*Regional Impact Models* by William A. Schaffer (**S**)  
*Computable General Equilibrium Modeling for Regional Analysis* by Eliécer Vargas, Dean Schreiner, Gelson Tembo, and David Marcouiller (**VSTM**)  
*Spatial Econometrics.* by James LeSage.(**LS**) 1999.  
*Industrial and Regional Clusters: Concepts and Comparative Applications.* Edward M. Bergman and Edward J. Feser.(**BF**) 1999.

**Papers of the Regional Science Association - Volume 83.1 - 2004 (PRS)**

*Preface* - Batey

*Introducing the Brightest of Dawns: Regional Science in "Papers"* - Florax, Plane

*A Short History of the Field of Regional Science* - Boyce

*Path-Breaking Books in Regional Science* - Waldorf, Batty, Chatterji, Donaghy, Fingleton, Greenwood, Getis, McMillen, Mulligan, Oosterhaven, Schaeffer, Shefer

*Intellectual Leaders of Regional Science* - Isserman

*Regional Science: Directions for the Future* - Bailly, Gibson

*The New Economic Geography: Past, Present and the Future* - Fujita, Krugman

*Agglomeration and Networks in Spatial Economics* - Johansson, Quigley

*Location, Agglomeration and Infrastructure* - McCann, Shefer

*Cities, Regions and the Decline of Transport Costs* - Glaeser, Kohlhase

*Transport in Regional Science: The "Death of Distance" is Premature* - Rietveld, Vickerman

*Growth, Development and Innovation: A Look Backward and Forward* - Cheshire, Malecki

*Trade and Spatial Economic Interdependence* - Polenske, Hewings

*The Environment in Regional Science: An Eclectic Review* - Batabyal, Nijkamp

*Crossing Boundaries and Borders: Regional Science Advances in Migration Modelling* - Cushing, Poot

*Spatial Interaction Modelling* - Roy, Thill

*GIS and Spatial Data Analysis: Converging Perspectives* - Goodchild, Haining

## Course Outline:

<u>Through Week Ending:</u>	<u>Topic</u>	<u>Reading</u>
Jan. 26	Intro, Regional Structure, Clusters	<b>S</b> in Web book of Reg Sci. <b>BF</b> in Web book <b>HG</b> Chapters 1 and 2 in Web book
Feb. 2	Regional Models, Social Accounts	<b>SJ</b> chapter 10; Handouts
Feb. 16	IMPLAN, RIMS, REMI	Handouts, <a href="http://www.implan.com">www.implan.com</a>
Mar. 2	CGEs	<b>VSTM</b> in Web Book; Chapter 12 in <b>SJ</b> ; Selected readings
Mar. 16	New Economic Geography	<b>FK</b> in PRS; Chapters 1 to 4 in Brakman; Selected readings
Mar. 30	Spatial Econometrics	<b>LS</b> in Web book; Selected readings
April 13	Cluster Case studies	Selected readings
April 30	Cluster Case studies	Selected readings

## **FINAL EXAMS: April 28-May 5**

Instructor: Mark S. Henry , Barre 254, [mhenry@clemson.edu](mailto:mhenry@clemson.edu), 656 5774

Office Hours: Stop by at your convenience from 9 to 4.

<u>Course Grade:</u>	Regional Project	50%
	Final Exam	50%

## **Project:**

Part 1. (25%) You will be given an IO and SAM model from **SJ**. Answer the questions on the study guide provided in class.

Part 2. (75%) You will be assigned to one of the state's economic clusters that the SC Council on Competiveness (New Carolina) has identified from the analysis by M. Porter and the Monitor Group. You will be given detailed spreadsheets on firms in SC that comprise the cluster. Your research will have three components: 1. A description of the cluster in SC and industry trends; 2. a discussion of the nature of the agglomeration economies and cluster activities that theory and empirical evidence from similar clusters in the US and elsewhere suggests are important to the growth of your cluster; and 3. Using evidence from your analysis in 1 and 2, provide a critique of the cluster based strategy for promoting economic development of both metropolitan and rural areas of South Carolina.

## SELECTED READINGS

- Barkley, D. L., M. S. Henry and S. Nair. 2006. "Regional Innovation Systems: Implications for Nonmetropolitan Areas and Workers in the South." Growth and Change. 37(2):278-306. (June).
- Barkley, D.L., Mark S. Henry, and Doo-Hee Lee. 2006. "Innovative Activity in Nonmetropolitan Counties in the South: The Importance of Local and Regional Characteristics." *Community Development Investment Review*. Vol. 2, Issue 3, pp. 1-14. December. Federal Reserve Bank of San Francisco.
- Barkley, David L., and Mark S. Henry. 2005. *Innovative Metropolitan Areas in the South: How Competitive are South Carolina's Cities?*, REDRL Research 10-2005-01, Regional Economic Development Research Laboratory, Clemson University, Clemson, SC.
- Barkley, D., M. Henry and S. Bao. 1995. "How Functional Are Economic Areas? Tests for Intra-regional Spatial Association using Spatial Data Analysis." Papers in Regional Science. 74:4:1-20.
- Barkley, D. and M. Henry. 1997. "Rural Industrial Development: To Cluster or Not To Cluster." Review of Agricultural Economics. 19:2: 308-325.
- Berry, Brian J.L. 1972. Hierarchical Diffusion: The Basis of Development Filtering and Spread in a System of Growth Centers, in Niles Hansen (ed.) Growth Centers in Regional Economic Development, New York: the Free Press: 50 - 81.
- Blanchard, O.J. and Katz, L. 1992. Regional Evolutions. Brookings Papers on Economic Activity. 1: 1992.
- Borts, George & Jerome L. Stein. 1964. Economic Growth in a Free Market. New York: Columbia University Press.
- Fujita, M., P. Krugman and A. Venables, The Spatial Economy. 1999.
- Glaeser, E.H. Kallal, J. Scheinkman, and A. Schleifer. 1992. "Growth in Cities." Journal of Political Economy. 100:6.
- Henry, Mark S., David L. Barkley and Haizhen Li. 2004. "Education and Nonmetropolitan Income Growth in the South. The Review of Regional Studies. 34(3): 223-244.
- Henry, Mark S., Mark Drabenstott, and Kristin Mitchell. 2003. "Meat Processing in Rural America: Economic Powerhouse or Problem?" Chapter 6 Pages 55-68. Communities of Work : Rural Restructuring in Local and Global Contexts. Edited by William W. Falk. Michael D. Schulman, and Ann R. Tickamyer. Athens: Ohio University Press.
- Henry, M. S., B. Schmitt and V. Piguat. 2001. "Spatial Econometric Models for Simultaneous Systems: Application to Rural Community Growth in France." International Regional Science Review. 24(2): 171-193.

- Henry, M., et al., 1997. "The Hinterland's Stake in Metropolitan Growth." Journal of Regional Science. 37(3): 479-507.
- Hughes, David W. and David W. Holland. 1994. Core-Periphery Economic Linkages: A Measure of Spread and Possible Backwash Effects for the Washington Economy. Land Economics, 70(3):364-77.
- Isserman, Andrew, M. 1996. It's Obvious, It's Wrong, and Anyway They Said it Years Ago? Paul Krugman on Large Cities. International Regional Science Review . 19 # 1 & 2: 37 - 48.
- Kim, Y., D. Barkley and M. Henry. 2000. "Industry Characteristics Linked to Establishment Concentrations in Nonmetropolitan Areas." Journal of Regional Science 40(2): 231-259.
- Krikelas, A. 1992. Why Regions Grow: A Review of Research on the Economic Base Model. Economic Review. Federal Reserve Bank of Atlanta. July/August.
- Krugman, P. Geography and Trade. 1991.
- Krugman, P. Development, Geography and Economic Theory. 1995.
- Kusmin, L. 1994. Factors Associated with the Growth of Local and Regional Economies: A Review of Selected Empirical Literature. ARED, ERS, USDA, Staff report No. AGES 9405.
- Miller, R. and P. Blair, Input-Output: Foundations and Extensions, 1985.
- Perroux, Francois. 1950. Economic Space, Theory and Applications. Quarterly Journal of Economics, LXIV.
- Roback, J. 1982. "Wages, Rents and the Quality of Life." Journal of Political Economy. 90:6:1257-1278.
- Schmitt, B., M.S. Henry, V. Piguet and M. Hilal. 2006. "Urban Growth Effects on Rural Population, Export and Service Employment: Evidence from Eastern France." Annals of Regional Science 40(4): 779-801.
- Schmitt, B. and M. Henry. 2000. "Size and Growth of Employment Centers in French Labor Market Areas: Consequences for Rural Population and Employment." Regional Science and Urban Economics. 30(1): 1-21(January).
- Venables, A.J. 2006. "Shifts in Economic Geography and Their Causes." Economic Review. Federal Reserve Bank of Kansas City. Fourth Quarter: 61-85.

**STUDENT INTEGRITY POLICY. Any incident of Academic Dishonesty as defined below will result in a grade of F for the course. Academic Dishonesty is defined as:**

1. Giving, receiving or using unauthorized aid on any academic work;
2. Plagiarism, which includes the copying of language, structure, or ideas of another and attributing the work to one's own efforts;
3. Attempts to copy, edit, or delete computer files that belong to another person or use of Computer Center account numbers that belong to another person without the permission of the file owner, account owner or file number owner.

All academic work submitted for grading contains an implicit pledge and may contain, at the request of an instructor, an explicit pledge by the student that no unauthorized aid has been received.