

CURRICULUM VITAE (Short version) – August 2018 - KEITH GRAHAM DEBBAGE

EDUCATION:

1988 University of Georgia, USA Ph.D. Geography

CURRENT ACADEMIC POSITION:

Since 2015 Veteran Coleman Foundation for Entrepreneurship Fellow
Since 2012 Joint Faculty Appointment with the Department of Marketing, Entrepreneurship, Hospitality and Tourism, Bryan School of Business and Economics, UNCG
Since 2005 Professor, Department of Geography, University of North Carolina at Greensboro

PUBLICATIONS:

Book

1998 Ioannides D. and K. Debbage (co-editors), *The Economic Geography of the Tourist Industry: A Supply-Side Analysis* Routledge: London.

Book Chapters

2019 Debbage, K. "Geographies of Tourism Entrepreneurship and Innovation: An Evolving Research Agenda". In Muller, D. (Ed.) *Tourism Geographies: A Research Agenda* Edward Elgar Publishing: Cheltenham, forthcoming.

2018 Debbage, K. "Economic Geographies of Tourism: A Critical and Contested Discourse". In Cooper, C., Scott, N., Volo, S., and W.C. Gartner (Eds.) *The Sage Handbook of Tourism Management* Sage Publications: New York, p.53-68.

2014 Ioannides, D. and K. Debbage "Economic Geographies of Tourism Revisited: From Theory to Practice". In Lew, A., Hall, M., and A. Williams (Eds.) *A Companion to Tourism* Wiley-Blackwell: London, p.107-119.

2014 Debbage, K. "The Geopolitics of Air Transport". In Goetz, A. and L. Budd (Eds.) *Geographies of Air Transport* Ashgate: London, p.25-42.

2012 Debbage, K. "The International Airline Industry: Globalization, Regulation and Strategic Alliances". In Button, K. and H. Vega (Eds.) *Globalization and Transport* Edward Elgar Publishing, Cheltenham, p.423-436 (Reprint of 1994 publication).

2012 Debbage, K. and D. Ioannides "The Economy of Tourism Spaces: A Multiplicity of Critical Turns". In Wilson, J. (Ed.) *The Routledge Handbook of Tourism Geographies: New Perspectives on Space, Place and Tourism*, Routledge: Abingdon, p.149-156.

2009 Debbage, K. and Galloway, S. "Global Tourism Business Operations." In Jamal, T. and Robinson, M. (eds.) *The Sage Handbook of Tourism Studies* Sage Publications, p. 581-594.

2008 Debbage, K. and Alkaabi, K. "Market Power and Vertical (Dis)Integration: Airline Networks and Destination Development in the United States and Dubai". In Papatheodorou, A. Graham, A. and P.Forsyth (co-editors) *Aviation and Tourism: Implications for Leisure Travel* Ashgate Publications, p. 147-163.

2006 Debbage, K.G. "Oligopoly and the Resort Life Cycle in the Bahamas". In Papatheodorou, A. (Ed.) *Managing Tourist Destinations* Edward Elgar Publishing, Cheltenham, p.501-515.

2005 Debbage K., "Airlines, Airports, and International Aviation". In Pender, L. and Sharpley, R. (eds.) *The Management of Tourism* Sage Publications: London, p.28-46.

2004 Debbage K. and D. Ioannides, "The Cultural Turn? Towards a More Critical Economic Geography of Tourism". In Lew A., Hall, M. and A.M. Williams (eds.), *A Companion to Tourism Geography* Companion to Geography Series, Blackwell: Oxford, p.99-109.

2004 Debbage K. and D. Gordon Bennett, "Geography at the University of North Carolina at Greensboro: Historical Evolution, 1940-2004". In Wheeler, J.O. and S.D. Brunn (Eds.) *The Role of the South in the Making of American Geography: Centennial of the AAG, 2004* Bellwether: Columbia, MD, p.188-197.

- 2000 Debbage K., "Air Transportation and International Tourism: The Regulatory and Infrastructural Constraints of Aviation Bilaterals and Airport Landing Slots". In Robinson M., *et al.*, (eds.), *Reflections on International Tourism: Management, Marketing and the Political Economy of Travel and Tourism*, Business Education Publishers Ltd., Gateshead.
- 1996 Debbage K., "Air Transportation in the Carolinas". In Bennett D.G. (Ed.) "*Snapshots of the Carolinas: Landscapes and Cultures*" Association of American Geographers: Washington D.C., p.197-202.
- 1996 Rees J. and K. Debbage, "Economic Change in Metropolitan Carolina". In Bennett D.G. (Ed.) "*Snapshots of the Carolinas: Landscapes and Cultures*" Association of American Geographers: Washington D.C., p.193-196.
- 1991 Debbage K., "Tourist Destination Cycles and Sustainable Development: A Comparative Analysis of the Bahamas and Mauritius". In Lutz W. and F.L. Toth (eds.), *Population, Economy, and Environment in Mauritius*, Collaborative Paper Series, International Institute of Applied Systems Analysis, Vienna, Austria, p. 255-270.

Refereed Journal Articles

- 2019 Debbage, K.G. and N. Debbage "Aviation Carbon Emissions, Flight Choice and Tourist Destinations: Is Flying Non-Stop a Remedy?" *Annals of Tourism Research*, forthcoming
- 2018 Debbage, K.G. and S. Bowen "Non-Farm Proprietorship Employment by U.S. Metropolitan Area" *Journal of Enterprising Communities* 12(2):139-157
- 2018 Debbage, K.G. 20th Anniversary Commentary "Economic Geographies of Tourism: One 'Turn' Leads to Another" *Tourism Geographies* <https://doi.org/10.1080/14616688.2018.1434816>
- 2016 Alford, J.B., Debbage, K.G., Malin, M.A., and Z.J. Liu "Surface Water Quality and Landscape Gradients in the North Carolina Cape Fear River Basin: The Key Role of Fecal Coliform" *Southeastern Geographer*, 56(4):428-453.
- 2016 Perkins, D. and K. Debbage "Weather and Tourism: Thermal Comfort and Zoological Park Visitor Attendance" *Atmosphere* 7(3), 44 doi:[10.3390/atmos7030044](https://doi.org/10.3390/atmos7030044)
- 2016 Byrd, E.T., Canziani, B., Hsieh, Y, Debbage, K., and S. Sonmez "Wine Tourism: Motivating Visitors Through Core and Supplementary Services" *Tourism Management* 52:19-26
- 2015 McGinn, C. and K. Debbage "The Electoral Geography of Provisional Ballots by County: The North Carolina 2008 U.S. Presidential Election" *Southeastern Geographer* 55(3):295-314
- 2014 Debbage, K.G., Bereitschaft, B., and E. Beaver "The Geography of Non-Earned Income in the Piedmont Megapolitan Cluster" *Southeastern Geographer* 54(2):97-117
- 2014 Bereitschaft, B. and K. Debbage, "Regional Variations in Urban Fragmentation Among U.S. Metropolitan and Megapolitan Areas" *Applied Spatial Analysis* 7:119-147
- 2013 Bereitschaft, B. and K. Debbage, "Urban Form, Air Quality, and CO2 Emissions in Large U.S. Metropolitan Areas", *The Professional Geographer* 65(4):612-631
- 2013 Alkaabi, K.A., Debbage, K.G., and A. Bin Touq "The Promise of the Aerotropolis Model in the United Arab Emirates: The Role of Spatial Proximity and Global Connectivity" *The Arab World Geographer* 16(3):289-312
- 2011 Alkaabi, K.A. and K.G. Debbage "The Geography of Air Freight: Connections to U.S. Metropolitan Economies" *Journal of Transport Geography* 19:1517-1529
- 2011 Smith, R.M. and K. Debbage "Spatial Distributions of Newly Incorporated Municipalities (NIMs) and Related Socioeconomic Characteristics: A National Comparison to Cohort Cities" *Urban Geography* 32(4):568-588
- 2010 Debbage, K.G., and J. Kidd "Renewable Energy in North Carolina: The Potential Supply Chain and Connections to Existing Renewable and Energy Efficiency Firms" *The Southeastern Geographer* 50(1):69-88
- 2007 Alkaabi, K.A. and Debbage K.G., "Air Passenger Demand and Skilled Labor Markets by U.S. Metropolitan Area" *Journal of Air Transport Management* 13:121-130.

- 2006 Liu, Z.J., Debbage K.G. and B. Blackburn, "Locational Determinants of Major U.S. Air Passenger Markets by Metropolitan Area" *Journal of Air Transport Management* 12:331-341.
- 2006 Smith, R.M. and Debbage, K.G., "Where are the Geographers? Newly Incorporated Municipalities (NIMs) in the South" *The Geographical Bulletin* 48(2):109-121
- 2004 Brown L. and Debbage K., "The Geography of Republicans in North Carolina: Voter Registration and Income" *The North Carolina Geographer* 12:10-18.
- 2004 Cohen D.T. and Debbage K., "Research Note: Toward an Effective Subcounty Settlement Classification: Comparative Density Revisited" *Urban Geography* 25(7):675-684.
- 2002 Debbage K., "Airport Runway Slots: Limits to Growth", *Annals of Tourism Research*, 29(4):933-951.
- 2001 Debbage K. and D. Delk, "The Geography of Air Passenger Volume and Local Employment Patterns by U.S. Metropolitan Core Area: 1973-1996", *Journal of Air Transport Management*, 7(3):159-167.
- 2000 Debbage K., "Air Transportation and Urban-Economic Restructuring: Competitive Advantage in the U.S. Carolinas" *Journal of Air Transport Management*, 5:211-221.
- 1998 Cohen D. and K. Debbage, "Wealth Generation in Metropolitan America: FIRE as Savior?" *The Geographical Bulletin* 40(1): 1-13.
- 1997 Ioannides D. and K. Debbage, "Post-Fordism and Flexibility: The Travel Industry Polyglot" *Tourism Management* 18(4): 229-241.
- 1994 Debbage K., "The International Airline Industry: Globalization, Regulation and Strategic Alliances", *Journal of Transport Geography*, 2(3):190-203.
- 1993 Debbage K., "U.S. Airport Market Concentration and Deconcentration", *Transportation Quarterly* 47(1):115-136.
- 1993 Meadows C. and K. Debbage, "Spatial Variation in Tourism: An Industrial View", *Geographical Bulletin* 35(1):48-60.
- 1992 Rees J. and K. Debbage, "Industry Knowledge Sources and the Role of Universities", *Policy Studies Review* 11(1):6-25.
- 1991 Debbage K. and J. Rees, "Company Perceptions of Comparative Advantage by Region", *Regional Studies*, 25(3):199-206.
- 1991 Debbage K., "Spatial Behavior in a Bahamian Resort", *Annals of Tourism Research*, 18(2):251-268.
- 1990 Debbage K., "Oligopoly and the Resort Cycle in the Bahamas", *Annals of Tourism Research*, 17(4):513-527.
- 1990 McKenzie M. and K. Debbage, "Spatial Patterns of Visitor Behavior: A Case Study of the North Carolina Zoological Park", *Geographical Bulletin*, 32(2):100-109.

RESEARCH GRANTS AND CONTRACTS

- 2017 Sills, S., Debbage, K. and K. Gruber *Health Report Card Implementation Plan* Healthy High Point Foundation, \$9,604
- 2016 Debbage, K. *Affordable Housing in Greensboro: The Challenge and the Benefits* Community Foundation of Greater Greensboro, \$9,750
- 2016 Debbage, K. *2016 State of the City Report: Greensboro, NC* Greensboro Partnership, \$33,500
- 2015 Debbage, K. *2015 State of the City Report: Greensboro, NC* Greensboro Partnership, \$9,000
- 2014 Debbage, K. *2014 Greater Greensboro-High Point Workforce Development Survey* Greensboro Chamber of Commerce, \$15,500
- 2014 Debbage, K. *2014 State of the City Report: Greensboro, NC* Greensboro Partnership, \$8,250
- 2013 Byrd, E., Canziani, B., Hsieh, J. and K. Debbage, *Study of Visitors to North Carolina Wineries* North Carolina Department of Commerce, \$13,000
- 2013 Debbage, K. *2013 State of the City Report: Greensboro, NC* Greensboro Partnership, \$32,500
- 2012 Debbage, K. *2012 State of the City Report: Greensboro, NC* Greensboro Partnership, \$8,500
- 2011 Debbage, K. *2011 State of the City Report: Greensboro, NC* Greensboro Partnership, \$8,000

- 2010 Debbage, K. and S. Walcott *Leveraging the Furniture Foothills: Asset Mapping the North Carolina Furniture Industry Cluster* Piedmont Triad Partnership, \$57,000
- 2010 Debbage, K., and S. Gallaway *2010 State of the City Report: Greensboro, NC and Select Cities* Greensboro Partnership, \$31,500
- 2009 Debbage, K. *2009 State of the City Report* Greensboro Partnership, \$6,000
- 2008 Debbage, K., DeHoog, R., and J. Johnson *Long Term Socio-Demographic Challenges Facing the Greater Greensboro Area: New Opportunities* Bryan Foundation, \$12,500
- 2008 Debbage, K. *Renewable Energy in North Carolina: The Potential Supply Chain* Institute for Emerging Issues, \$15,000
- 2008 Debbage, K. *2008 State of the City Report: Greensboro* Greensboro Partnership \$5,500
- 2008 Debbage, K., *The NewBridge Bank Metropolitan Transportation Logistics Rankings* NewBridge Bank, \$25,000
- 2007 Debbage, K. *UNC Tomorrow Scholars Council*, UNC General Administration, \$30,000
- 2007 Debbage, K. *Greensboro/Guilford County – Burlington/Alamance County: Economic Analysis and Land Use Study*, Greensboro Partnership and Alamance County Chamber of Commerce, \$40,500
- 2007 Brod, A. and K.G. Debbage *Triad Transport Logistics Inventory and Cluster Mapping Project* Greensboro Partnership, \$28,900
- 2006 Debbage, K. *UNCG-NewBridge Bank 2006 Transport Logistics Quotient Rankings* Corporate Gift from NewBridge Bank through the UNCG Excellence Foundation, \$25,000
- 2006 Debbage, K. *Benchmark Report Update for Greensboro and Select Cities* Greensboro Partnership, \$29,500
- 2006 Debbage, K. *Heart of the Triad Marketing, Land Use and Transportation Study* Sub-contract to HDR Engineering, \$20,000
- 2005 Debbage K. and Nuyda G. *Biotechnology Inventory and Assessment by Metropolitan Area: Signs of Life in the Triad* Report prepared for the Triad Chambers of Commerce and the North Carolina Biotechnology Center, \$54,000 (Additional Co-Principal Investigator included A. Brod)
- 2003 Debbage, K. "Benchmark Analysis for Greensboro and Select Cities: Developing Community Performance Measures" Action Greensboro, NC, \$16,710
- 1998 Bennett, G. and K. Debbage, "Guilford College Road Corridor Study", City of Greensboro, NC, \$25,000.
- 1997 Debbage K. and D.G. Bennett, "Coliseum Boulevard/Freeman Mill Road/U.S.220 Corridor Study" City of Greensboro, NC, \$25,000.
- 1997 Bennett, G. and K.G. Debbage, "Pisgah Church Road/Lees Chapel Road Corridor Study", City of Greensboro, NC, \$25,000.

AWARDS

- 2018 John Rooney Award in Tourism Geography from the Association of American Geographers, Recreation, Tourism and Sport Specialty Group for Outstanding Contributions to the Applied Field
- 2017 UNCG Faculty Excellence in Research and Creative Activity Award Honoree
- 2016- Veteran Coleman Foundation Entrepreneurship Fellow (\$8,000)
- 2015 UNCG Faculty Excellence in Research and Creative Activity Award Honoree
- 2014 Best Practice Award from the United States Association of Chamber Executives
- 2002 Roy Wolfe Award in Tourism Geography from the Association of American Geographers Recreation, Tourism, and Sport Specialty Group for Outstanding Research in the field of Tourism Geography.
- 1989 Outstanding Dissertation Award, Environmental Perception Specialty Group, Association of American Geographers, Baltimore, MD.

TEACHING AND MENTORING:**Undergraduate Courses:**

GEO 101 Introduction to Human Geography; GEO 102 The Historical Geography of the Western World; GEO 105 Cultural Geography; GEO 301 Urban Geography: Global Cities (online); GEO 302 Urban Geography: Land Use; GEO/HMT/RPM 320 Tourism Planning and Development; GEO 322W Research Methods in Geography; GEO/STH 331 Sustainable Tourism and Transportation and GEO 490 Special Problems in Geography.

Graduate Courses:

GEO/ENT 502 Entrepreneurial Urban Planning (online); GEO 601 Advanced Research Methods; GEO 602 Regional Planning; GEO 690 Research Problems in Applied Geography; GEO 695 Internship; GEO 699 Thesis; GEO 761 History of Geographic Thought; GEO 790 Independent Geographic Research; GEO 791 Seminar in Urban Planning/Economic Development; and GEO 799 Dissertation.

Graduate Student Mentoring and Undergraduate RA's

Doctoral Dissertation Committee Chair 14	Master's Thesis/Internship Committee Chair 46	Undergraduate Research Assistantship Sponsor 12
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Dissertation Students:

Current: Nichole Bignall

Graduated:

2018	Ikegaya, M. <i>The Geography of Creativity in the Greater Tokyo Area: 2000-2010</i>
2017	Miller, J. <i>The Geography of the Long-Term Care Continuum Production System By U.S. County</i> (Current Employment: Planning Director, City of Archdale, NC)
2016	Sloop, J.B. <i>Going Against the Grain? Brazil and the Global Furniture Production Network</i> (Current Employment: GIS Director, Winston-Salem/Forsyth County)
2015	Perkins, D.J. <i>Weather Impacts on Visitor Behavior: A Spatio-Temporal Study of Select U.S. Metropolitan Zoological Parks</i> (Current Employment: Assistant Professor of Geography, Missouri State University)
2014	Alford, J. <i>Land Use and Water Quality in the Cape Fear River Basin: Spatial-Temporal Relationships</i> (Current Employment: Assistant Professor at California State-San Bernardino)
2014	McCarthy, M. <i>Geographical Patterns of the Creative Class for Megapolitan and Non-Megapolitan Counties of the Contiguous United States: Key Predictors and Clusters</i> (Current Employment: Assistant Professor and Director of the Data Sciences Program, Utica College)
2012	McGinn, C. <i>The Electoral Geography of Provisional Ballots in North Carolina by County: The 2008 U.S. Presidential Election</i> (Current Employment: Assistant Professor, North Carolina Central University)
2011	Bereitschaft, B. <i>Urban Form and Air Quality in U.S. Metropolitan and Megapolitan Areas</i> (Current Employment: Associate Professor, University of Nebraska at Omaha)
2010	Alkaabi, K. <i>The Geography of Air Freight and Metropolitan Economies: Potential Connections</i> (Current Employment: Assistant Professor and Chief Innovation Officer, United Arab Emirates University)
2010	Gallaway, S. <i>The Geography of Industry Specialization: Tourism Development Strategies within the Appalachian Regional Commission</i> (Current Employment: Instructor, Forsyth Tech Community College and UNCG)
2010	Omer, O. <i>The Economic Geography of the Tourist Industry by U.S. Metropolitan Area: A Supply Side Analysis</i> (Current Employment: Monitoring and Evaluation Co-ordinator, Adventist Relief Agency, Aden, Yemen)
2008	Misago, A. <i>Residential Building Permit Activity by U.S. Metropolitan Area: Key Agents of Change</i> (Current Employment: Data Analyst, U.S.Census Bureau)

2007 Smith, R. *Newly Incorporated Municipalities in the United States: 1990-2000: Socio-Economic Differences between NIMs and Cohort Cities* (Current Employment: Associate Professor, Winston-Salem State University)

Masters Students:

Current: Duncan Walser

Graduated:

2016 Shaylee Bowen *The Geographies of Entrepreneurship: Non-Farm Proprietorship Employment by U.S. Metropolitan Area* (Thesis)

2016 Jomar Pastorelle *Innovate GSO: Examining Greensboro's Inclusive Innovation and Design Ecosystem* (Internship with Innovate GSO and the UNCG Chancellor's Office)

2016 Bailiff, V. *The Benefits of Adaptive Reuse: A Small Area Plan for Downtown Lexington* (Internship with the City of Lexington Department of Business and Community Development)

2016 Klinger, E. *Creative Class Employment and Passenger Air Traffic by MSA: 2008-2013* (Thesis)

2015 Zitta, J.P. *Land Based Classification Analysis and the Geography of Liens* (Internship with the City of Lexington Department of Business and Community Development)

2015 Levi, A *The Geography of Air Passengers and Employment Patterns by US Core Urban Area Following the Great Recession: 2009-2012* (Thesis)

2015 Gifford, R. *The Geography of Bus Transit Ridership: Key External Factors* (Thesis)

2015 Kidd, J. *The Geography of the Renewable Energy Industry and Potential Supply Chains in North Carolina* (Thesis)

2014 Earliwine, J. *Planning our Future* (Internship with the City Greensboro Planning Department)

2014 Chudgar, S.A. *A Geo-Demographic Analysis of Shopping Malls in North Carolina based on Gross Leasable Area* (Thesis)

2013 Lester, A. *Planning Policies and Procedures: Greensboro's Current Planning Division* (Internship with the City of Greensboro Planning Department)

2013 Holt, B.M., *Kernersville's Bodenhamer Corridor Study: Planning the Streets of Tomorrow* (Internship with the City of Kernersville Department of Community Development)

2012 Hoose, M. *Form and Function of Scenic Byways: A Tool for Economic Growth and Conservation in the Piedmont Triad* (Internship with the Piedmont Land Conservancy)

2010 McCarthy, M. *Air Transportation and Economic Development by Metropolitan Area* (Thesis)

1998 – 2009 Miller, P. (09), Guia, C. (09), Miller, J. (07), Holden, M.Z. (07), Evan, J. (06), Johnson, M. (06), Loveland, D. (06), Sattler, A. (06), Wolff, A (06), Brutton, C. (05), Dale, J. (05), Hansen, V. (05), Leinwand, M. (05), Pytcher, A. (05), Seagle, C. (05), Alkaabi, K. (04), Brown, L. (04), Dryzmala, K. (04), Beaver, M. (03), Misago, A. (04), Peachey, A. (03), Shornack, L. (04), Cohen, D. (02), Templeton, L. (02), Absher, T. (01), Papson, R. (01), Pearson, K. (01), Delk, D. (00), Sullivan, J. (99), Avers, A. (98), and Drake, K. (98)

Undergraduate Research Assistantships

2014/15 Aaron Calloway (\$2,000)

2012/13 Rehbein, S. and D. Walser (\$3,000 each)

2010/11 Tobgay, T. (\$3,000)

2009/10 Hughes, C. and J. Rainey (\$2,000 each)

2004/05 Kempf, A. (\$4,000)

2003/04 Markwardt, J. (\$1,500)

2001/02 Stephenson, R. (\$1,500)

1999/00 Coolidge, G. (\$1,500)

1996/97 Cohen, D. (\$1,500)

1994/95 Clark, V. (\$1,500)

PRESENTATIONS:

Ten invited international presentations in Austria, Canada, Norway, Sweden, and the United Kingdom; and nearly 100 presentations at professional conferences including the World Bank, Annual Meetings of the Association of American Geographers and the Southeastern Division of the Association of American Geographers

SERVICE ACTIVITIES:**Professional Activities: National and Regional**

Referee for the National Science Foundation, Social Sciences and Humanities Research Council of Canada and nine journals; Editorial Board member of *Tourism Geographies* and the *Journal of Air Transport Management* and past Board member of *The Southeastern Geographer*; past Editorial Board of Contributors for *Triad Business Journal* and bi-monthly op-ed columnist; and North Carolina Representative of the Southeastern Division of the Association of American Geographers responsible for preparing the *State of Geography in North Carolina* Annual Report. Quoted in the *Chronicle of Higher Education*, *New York Times*, *USA Today*, *Wall Street Journal*, *USA Today* and past newspaper columnist for the *Greensboro News and Record* and the *Triad Business Journal* – written nearly 100 urban development op-ed columns for regional newspapers.

University Activities

Chancellor Search Committee; GlaxoSmithKline Public Policy Fellow at the Institute of Emerging Issues, North Carolina State University; UNC Tomorrow Scholars Councilor; UNC Public Policy Working Group; UNCG Tomorrow Strategic Plan Committee; UNCG Economic Development Council member; UNCG Online Dean's Academy of Online Professors; Board Member of the UNCG Atlantic World Research Network; University Committee on Honorary Degrees; College Academic Program Review Committee; College Promotion and Tenure committee; appointed to Dean's AULER Global Studies Task Force Committee; member of Greensboro's Chancellors and President's Council Greensboro Technology Center Concept, original work team; Chancellor's University Planning Council Outreach Committee; Executive Committee on Academic Integrity; and past Director of Undergraduate Studies for Geography Department.