


Curriculum Vitae
Amanda H. Gilleland, Ph.D.

St. Petersburg College, Seminole campus
Department of Natural Sciences
Seminole, FL 33733



Education

- **Ph.D., Environmental Science & Policy:** Focus Environmental Biology & Ecology, University of South Florida, Tampa, Florida. August 6, 2010
- **Ph.D. Geography:** University of South Florida, Tampa, Florida, August 6, 2010
- **M.S., Biology:** Focus Ethology & Ecology, Winthrop University, August 1999
- **B.S., Biology:** University of South Carolina, December 1993

Experience

- **Academic Chair, Natural Science Department, Seminole and Electronic Campus online Science Courses,** St. Petersburg College, Seminole Campus. Seminole, Florida, August 2012 to present.
- **Quality Matters Certified in Online Higher Education:**
Teaching online courses
Applying the Rubric
Developing online courses
- **Adjunct Instructor** of Biology, St. Petersburg College, St. Petersburg Florida, August 2011 to 2012.
Courses taught as Instructor:
Biology 1 and Lab (Bio2010 & 2010L);
Biology 2 and Lab (Bio 2011 & 2011L);
Introductory Biology and Lab online and in classroom (Bio 1005 & 1005L);
Environmental Sustainability (EVS1001) online and in classroom
Environmental Science (EVR1001C) online Instruction and course developer and coordinator
Natural resources Conservation EVR1328
Renewable Resources EVR1310
- **Adjunct Instructor** of Environmental Science and Global Conservation, University of South Florida, Tampa, FL, August 2009 to 2013.
Courses taught as Instructor:
Advances in Water Resources –Graduate Level online (EVR 6286);
Field Techniques in Wildlife Ecology (EVR 4930);
Environmental Science for majors (EVR 2002) & non-majors (EVR 2001);
Global Conservation (GEO 4372);
Earth Systems Science (GEO 2371);
- **Graduate Teaching Associate,** University of South Florida, Tampa, FL, August 2005 to August 2009.
Courses taught as Instructor:
Online course: World Regional Geography (GEA 2000);
Introduction to Environmental Science (EVR 2001);
Multivariate Statistics (GEO 6166) Teaching Associate.

- **Instructor of Conservation Biology & Environmental Science**, Summer Program for Academically gifted Science and Math students, Department of Mathematics, University of South Florida, Tampa, Fl campus, Summer 2007 & Summer 2008.
Courses taught:
Biogeography, Conservation Biology, Environmental Science, Chemistry and Statistics.
- **Instructor of Biology**, Winthrop University, Rock Hill, SC, August 2002 to August 2005.
Courses taught:
Human Biology & Physiology (Bio 101);
Elements of Living Systems (Bio 150);
Investigations into Living Systems Lab (Bio 151).
- **High School Biology and Physical Science Teacher**, Forest Hills High School, Wingate, NC, August 1997 to June 2000.
Courses taught: Advanced Placement Biology, Honors Biology, Physics and Chemistry.
- **Chemistry & Environmental Laboratory Technician**, McGuire Nuclear Station, Duke Energy, Huntersville, NC, July 1996 to July 1997. Contract employee.
- **Zoology Teaching Assistant, Biology Department**, Winthrop University, Rock Hill, SC, August 1995 - May 1996. Course taught: Zoology laboratories.
- **Chemistry & Environmental Laboratory Technician**, Allied Signal Corp, Conway, SC, 1989 - 1993

Professional Honors & Service

- Textbook Reviewer Discover Biology, Singh-Cundy, A. and M. Cain, 2014, Sixth Edition, Norton Publishing.
- Curriculum development and author EVR1001C course
- Author of standard online course EVR1001C
- Chair of committee for Curriculum redevelopment of several courses in both Biology and Environmental Science, 2012-2014
- College-wide committee to redesign Academic Chair annual evaluations, 2014
- Attended the Nationally recognized Chair Academy Leadership Training 2014
- Awarded USF Provost's Commendation for Outstanding Teaching by a Graduate Teaching Assistant, April 2009.

Conference Presentations

- Gilleland, Amanda. "The Effects of Development and Landscape Patterns in Residential Neighborhoods on the Incidence of Human-wildlife Conflict across the Urbanization Gradient" presented at the 2010 Florida Society of Geographers Conference, Tampa, Florida. January, 2010.

Grant Awards and Fellowships

- Co-Investigator Mentor Links NSF Grant. 2017-2019
- Principle Investigator Green Living Demonstration Center, Federal Department of Energy grant (\$975,000). August 2013- 2017.
- Awarded the Fred L. and Helen M. Tharpe Endowed Scholarship Fund, (\$700) February, 2009.
- Awarded the Fred L. and Helen M. Tharpe Endowed Scholarship Fund, (\$3,500) February, 2008.
- Awarded International Research Travel Grant through the Institute for the Study of Latin America and the Caribbean (ISLAC), (\$1,000) December, 2006.
- Awarded the Summer Research Grant Department of Environmental Science & Policy, (\$1,000) May, 2006.
- Awarded the Fred L. and Helen M. Tharpe Endowed Scholarship Fund, (\$2,000) August, 2005.

Professional Organizations

- Ecological Society of America, 2008- present
- US Chapter, International Association of Landscape Ecology, 2008- present

Public and Professional Service

- SPC Advisory Council Member for Environmental Sustainability, August 2012- present
- SPC Adjunct Advisory Council member
- Faculty sponsor of SPC Pre-med Club
- St. Petersburg Science Exposition, SPC Representative, October 2014-2015.
- USF Sustainability Council, Faculty Advisor, April 2011 to 2013.
- USF Botanical Gardens volunteer April 2011 to 2012.
- Going Green Tampa Bay Expo, Sustainability Essay Contest Judge, October, 2009.
- Department of Geography and Environmental Science & Policy Graduate Student Representative, Fall 2006, Fall 2008, and Spring 2009.
- Hillsborough County Public Schools volunteer, 2005-2006.
- Pasco County Public Schools volunteer, 2007 – 2010.

Selective Research

- Lichenological applications for a sustainable urban environment.
- Scientific Applications for Sustainable Urban Gardening: A residential model.
- Urban Sustainability and the Living Building Challenge.
- Algae primary productivity efficiency: Bioreactor vs. open pond system
- **Ph.D. Dissertation:**
Title: Human-Wildlife Conflict across Urbanization Gradients: Spatial, Social, and Ecological Factors.
Synopsis: This study integrates wildlife ecology, landscape patterns, and land use changes with the spatial and social human dimension, to define where human-wildlife conflict is most frequent across an urbanization gradient. The relationship between relative abundance and behavior patterns of certain urban wildlife species and conflict is also investigated. This information is used to derive a statistical model that may help reduce the risk of human-wildlife conflict in urbanizing areas.
- Title: Possible Functions of Spread Wing Behavior of Black Vultures, *Coragyps atratus*, and Turkey Vultures, *Cathartes aura*. 1999.
- Title: Differences in Aggressiveness and Time Investment at Foraging Sites between Mature and Immature Ring-billed Gulls, *Larus delawarensis*.