

TIMOTHY G. WELLING, M.S., P.G.

EDUCATION

Ed. Cert. Oglethorpe University, 1998

M.S. University of Connecticut, Soil and Plant Science, 1983

B.S. University of Georgia, Agronomy - Soil Science, 1980

TEACHING EXPERIENCE

2015-present - Developed a new introductory course in Planetary Geology. Topics include: discovering exo-planets, planetary formation, geomorphology, atmospheres and potential for future habitation.

2007- Developed Geology of New York, a field travel course in which students first study the local geology of the Hudson Valley followed by traveling across New York to study the geology from the Adirondacks to Niagara Falls.

2003, 2005- Developed Physical Environment of the Tropics, an international field travel course to Costa Rica. The course focused on the study and restoration of tropical rainforests. Field activities stressed application through student collaboration to design and implement an experiment and report their findings.

2000-present - Developed Environmental Geology course in which students learn about local surficial and bedrock geology, soil classification, pollution, flood hazards, wetland classification and uses of wetlands for water treatment. Brought this class on overnight trips to observe and perform field labs on coastal features and erosional forces at work on the shoreline of Cape Cod, Rhode Island and Block Island.

2000-present - Developed an online version of Solar System Astronomy through the SUNY Learning Network. Designed a series of labs that were incorporated into the course lab manual. This course has been very successful and been offered every semester including summer sessions since the Fall semester of 2000.

1999-present – Developed field labs and completed a course Laboratory Manual for Physical Science and the Environment course. Labs include water chemistry, benthic macro-invertebrate sampling, soil taxonomy, wetland identification and population analysis. Include service learning activities such as: planting trees in riparian zones for the Dutchess County Cooperative Extension Service, identifying and labeling storm drains which flow into either the Fallkill or Wappingers Creek for the Town of Poughkeepsie and annual cleanup of a section of the Fallkill Creek along Creek Road near campus.

1998-2001 Taught both Beginning and Intermediate Algebra. Developed and incorporated Mutual Fund/ Stock Market projects along with physics experiments such as Galileo's object dropping experiment into these courses.

SERVICE TO COLLEGE AND COMMUNITY

2016-present – Physical Sciences Department Chair/ Daytime and summer part time faculty supervisor. Duties include but are not limited to: planning and coordinating faculty teaching schedules, observing faculty teaching, hiring part time faculty, managing laboratory supervisory personnel, preparing department annual budgets and reports, running department meetings, interfacing with the Office of Academic Affairs, chairing committees on hiring new faculty and handling of student and faculty issues.

2000-present – Advisor to the Outdoor Adventure Club (OAC) which has led and participated in numerous community service events and fundraising activities such as: food drives, smoke detector installations, horse rescue volunteering, bake sales and Easter basket preparation. Coordinated OAC plans and budget for numerous student annual activities of: hikes, rock climbing, ice climbing, high ropes courses, ski trips, canoeing, kayaking and whitewater rafting. Designed club physical activities for beginners to reach out to the student who has not had these experiences before. Developed student government leaders within the club's elected board.

1999-present – Presented workshops at Physical Sciences and Mathematics and Computer Sciences Departments annual Math and Science Matters Especially for Young Women event. My "Fossil Hunting" workshop has been identified by students as their favorite workshop of the event.

1999-present – Nominated and presented the Richard O'Connor Science Award and other Academic Achievement D.U.E. Awards to numerous qualified students.

2014-present – Local coordinator for the Water Assessment by Volunteer Evaluators (WAVE) program. Incorporated students field labs into data collection events for the New York State Department of Environmental Conservation.

2010, 2008 and 2006 – recognized for my exceptional support and dedication to the Educational Opportunity Program Students at Dutchess Community College.

2006-2008 Served as a director of "Friends of Wappinger's Lake" a non-profit organization in which I developed and participated in numerous studies and actions to protect the surface water of Wappingers Lake from both point and non-point sources of pollution.

2004-2001- Served as Chair of the Curriculum Committee. A partial list of duties included running numerous meetings, preparing agendas, reviewing with administrative staff and faculty new programs, program modifications, new courses and course modifications.

EMPLOYMENT

2015-present Full Professor Dutchess Community College

2010- 2015 Associate Professor Dutchess Community College

2005-2010 Assistant Professor Dutchess Community College

2000-2005 Instructor Dutchess Community College

1998- 2000 Temporary Full Time Instructor Dutchess Community College

1997-1989 Adjunct Instructor – Georgia Perimeter College

1993-1997 Senior Hydrogeologist, Conestoga-Rovers & Associates

1990-1993 Director, Chazen Environmental Services

1984-1990 Hydrogeologist, Chazen Environmental Services

1983-1984 Private Consultant

AFFILIATIONS

Certified Professional Soil Scientist, Southern New England Society of Soil Scientists

Licensed Professional Geologist, State of North Carolina #1378

Member, Society of Wetland Scientists

HIGHLIGHTS OF PROFESSIONAL EXPERIENCE

Performed wetland delineations, prepared permits and wetland mitigation plans for wetlands in New York and Connecticut based on Federal, State and local regulations. Clients have included individuals, non-profit organizations, consulting engineering firms, municipalities and industries.

Performed ecological assessments, tree inventories, rare and endangered plant and animal surveys, specimen tree evaluations on properties in both New York and Connecticut. Clients have included individuals, non-profit organizations, consulting engineering firms, municipalities and industries.