**Ralph E. Swan, Ph.D.**

165 Dowlin Forge Road, Downingtown, PA 19335

610.413.0028

ralph@ralpheswan.com

**Education**

**Ph.D. in Science Education, University of Pennsylvania, Philadelphia, PA, 1997**

*Dissertation:* A Potential Impact of Computer Technology on Students’ Alternative Conceptions and Explanatory Style

*Advisor:* Dr. Ryda Rose

*Committee Members:* Dr. Margaret Grey, Dr. Jessica Kahn

**Principal’s Certification, Villanova University, Villanova, PA, 1973**

**M.Ed. in Elementary Administration, Lehigh University, Bethlehem, PA, 1971**

**B.S. in Elementary Education, Edinboro University, Edinboro, PA, 1969**

**Teaching Experience**

**Chestnut Hill College, Philadelphia, PA**

***Coordinator, Instructional Technology Program*** 2004 - 2011

* Revised program name, course requirements and specializations to accommodate current trends and student needs
* Created Instructional Technology Graduate Assistantship
* Developed courses that better meet the needs of students
* Revised courses to address current issues and trends
* Developed the *Instructional Design for E-Learning* specialization to prepare students as instructional design professionals in the corporate and non-profit world
* Hired adjunct professors from within the training and development community
* Created a partnership with the First Philadelphia Charter School for Literacy to provide opportunities for our Instructional Technology Specialist candidates and expertise for the school’s technology initiatives
* Directed the creation of a website to publicize the program
* Created and directed a week-long workshop on instructional technology for higher education practitioners at Temple Kornberg School of Dentistry, Temple University.

***Assistant Professor of Instructional Technology*** 2001 - 2011

Supervised and developed the Instructional Technology Specialist Certification (ITS) specialization

Assisted Louise Mayock, SND, Ed.D. with other administrative aspects of the Applied Technology Program

Courses Include (Graduate):

*Scientific Inquiry: Tools for Research* an introductory research methods course with emphasis on epistemological issues and qualitative methodology

*Leadership in Instructional Technology* a course that focuses on leadership as well as legal and ethical issues regarding the role of the PDE Instructional Technology Specialist (ITS)

*Practicum and Portfolio Presentation* practicum experience for ITS candidates, including portfolio presentation

*Motivation: A Technology Perspective*  intrinsic achievement motivation is studied with emphasis on the work of Czikszentmihalyi, Seligman and T. Malone and applied to technology-based learning environments

*Intelligences: From Games to Creative Genius* examines the changing conceptualization of intelligence: Topics include creativity, social intelligence & artificial intelligence

*Seminar in Instructional Technology* Guides students through completion of a behavioral study focusing on technology implementation

*Educational Psychology* foundation for students seeking teacher certification

*Ethical Leadership and the Future* examines technology and society, including issues of human nature, scientific and literary ways of knowing and leadership style in an uncertain future

***Adjunct Professor*** 1987 – 2000

Courses include (Graduate):

*Professional Issues and Curriculum Development* students research topics, observe technology implementation, present to peers

*Learning Theories* study of cognitive theory as it relates to technology-based environments

*Teaching Thinking* similar to the course on intelligences above, examines intelligence, use of strategies to facilitate higher order thinking, problem solving, and artificial intelligence

*Computers in Science Education* using technology as a science learning tool

*Introductory Computer Application* computer basics

**Drexel University, Philadelphia, PA**

**Associate Adjunct Professor** 2001 - 2004

Course (Undergraduate): *Research Methods* basic overview

**Widener University, Chester, PA**

**School of Human Service Professions**

**Adjunct Professor** 1999 - 2001

Courses:

Undergraduate: *Educational Psychology* foundation for education majors

Graduate: *Educational Assessment* evaluation and measurement

**University of Pennsylvania, Philadelphia, PA**

**Graduate School of Education**

**Instructor** 1983 - 1989

Courses include:

*Problem Solving Design in Computer Education* algorithms, heuristics, artificial intelligence

*Introductory Computer Application Course* overview of computing for people in various fields

**Marple Newtown School District, Newtown Square, PA**

**Teacher** Sixth grade, 1969 - 1999

* Participant in Link-to-Learn Goals 2000 Grants enabling students to learn science and math concepts through hands-on activities and computer simulations
* Sixth grade team leader
* Teacher in the academically talented program
* Intern principal
* Teacher of science and other academic subjects in middle and elementary schools

**Areas of Interest**

* Achievement motivation
* Technology and Society
* Qualitative research methodology
* Philosophy of science

**Presentations**

Swan, R. & Livingston, P. (2008, January). “Are We Looking Closely Enough at Student Experience and Motivation?” presented at Educon 2.0, Science Leadership Academy, Philadelphia, PA.

Swan, R. & Efthimiou, P. (1987, November). “Computerphobia: Diagnosis and Treatment”, presented at the National Science Teachers Association Convention, Washington, DC

**Additional Information**

Listed in ***Who’s Who in America***

**Memberships:**

Phi Delta Kappa (Emeritus Member)

International Society for Technology in Education

**References available on request**