
Kevin Barry
1218 Woodward Avenue
South Bend, IN 46616-1524
Home: 574.288.0518 Work: 574.631.4443
kbarry2@nd.edu

Education

- ◆ Ed.S. Science Education, Florida Institute of Technology, Melbourne, FL, December 1997.
- ◆ M.S. Science Education/Biology, Florida Institute of Technology, March 1990.
- ◆ B.S. Marine Biology with High Honors, Florida Institute of Technology, March 1988.
- ◆ A.S. General Science, Ocean County College, Tom's River, NJ, May 1985.

Employment History

- ◆ **Associate Director, John A. Kaneb Center for Teaching and Learning**, University of Notre Dame, Notre Dame, IN (July 2004 – Present)
 - Work with the Kaneb Center Director to set priorities and develop programs for the center.
 - Aid faculty in the process of selecting pedagogically sound methods and tools to achieve the learning objectives that they have identified for their students.
 - Assist faculty with design and production of presentations and interactive multimedia instructional materials. teaching and learning processes.
 - Maintain current knowledge of educational theory, practice and technology.
 - Identify and investigate emerging technologies that may add value in the teaching and learning process.
 - Manage Scholarship of Teaching and Learning (SoTL) program.
 - Locate resource materials for faculty as required.
 - Represent the Kaneb Center at Academic Council.
- ◆ **Acting Director, Center for Creative Computing**, College of Arts and Letters, University of Notre Dame, Notre Dame, IN (July 2005 – June 2006).
 - Provide leadership and direction for the Center while the Director is on sabbatical.
- ◆ **Assistant Director, John A. Kaneb Center for Teaching and Learning**, University of Notre Dame, Notre Dame, IN (January 2000 – June 2004)
 - Aided faculty in the process of selecting pedagogically sound methods and tools to achieve the learning objectives that they have identified for their students.
 - Assisted faculty with design and production of presentations and interactive multimedia instructional materials.
 - Performed research on the effect of the introduction and use of new media technologies on teaching and learning processes.
 - Managed Scholarship of Teaching and Learning (SoTL) program.

- Served on the steering committee of Notre Dame's Teaching Learning and Technology Roundtable (TLTR).
 - Maintained current knowledge of educational theory, practice and technology.
 - Identified and investigate emerging technologies that may add value in the teaching and learning process.
 - Located resource materials for faculty as required.
 - Taught various computer applications in the OIT Computer Education Program.
- ◆ **Concurrent Instructor**, University of Notre Dame, Notre Dame, IN
- ROSP20502, La telenovela: historia, significado cultural y producción estudiantil, Romance Languages, Film Television & Theatre, Latino Studies, Latin American Studies and Computer Applications (1/2005 – present)
 - CAPP 400, Advanced Applied Multimedia Technology, Computer Applications Program (1/2002 – Present)
 - CAPP 395, Applied Multimedia Technology, Computer Applications Program (8/2001-present).
 - EDU 504 Introduction to Computers in Education, Alliance for Catholic Education (ACE) (5/2002 – 6/2003).
 - EDU 524, Directed Readings in Science Education, ACE (8/98–5/2001).
 - MGT 240, Computers in Business, Management Department (8/98-5/2000).
- ◆ **Assistant Professional Specialist, Educational Technology Services**, Office of Information Technologies, University of Notre Dame, Notre Dame, IN (12/97– 6/2000)
- Aided faculty in the process of selecting pedagogically sound tools to achieve the learning objectives that they have identified for their students.
 - Assisted faculty with design and production of presentations and interactive multimedia instructional materials.
 - Performed research on the effect of the introduction and use of new media technologies on teaching and learning processes.
 - Served on the steering committee of Notre Dame's Teaching Learning and Technology Roundtable (TLTR).
 - Served as Notre Dame's applications representative to Internet2.
 - Taught various computer applications in the OIT Computer Education Program and the Educational Technology Faculty Workshops.
 - Supervised student workers involved in the design and production of multimedia materials.
 - Maintained current knowledge of educational theory, practice and technology.
 - Identified and investigate emerging technologies that may add value in the teaching and learning process.
 - Located resource materials for faculty as required.
- ◆ **Educational Technology Consultant**, Office of Information Technologies, University of Notre Dame, Notre Dame, IN (9/94 –12/97)
- Aided faculty in the process of selecting pedagogically sound tools to achieve the learning objectives that they have identified for their students.

- Assisted faculty with design and production of presentations and multimedia instructional materials using various applications on Windows, Unix and Macintosh platforms.
 - Taught various computer applications in the OIT Computer Education Program and the Educational Technology Faculty Workshops.
 - Supervised student workers involved in the design and production of multimedia materials.
 - Maintained current knowledge of educational theory, practice and technology.
 - Located resource materials for faculty as required.
 - Administered various servers (e.g. WWW & conferencing) as needed by faculty.
 - Facilitated Total Quality Management teams.
- ◆ **Instructional Resource Coordinator**, Academic & Research Computing Services, Florida Institute of Technology, Melbourne, FL (4/93–8/94).
- Identified resources available on the Internet and made them readily available for teacher and student participants.
 - Identified software for Internet access from Macintosh and DOS platforms and developed training materials for the identified software.
 - Facilitated training sessions for teachers at the Space Coast Center for Excellence and at school sites.
 - Administered the Sun Sparc 10 workstation that acted as the server for teacher accounts and as a repository for educational materials.
 - Compiled software on the Sparc station as necessary to facilitate the goals of the Partnership Program (pine, tin, gopher, httpd, X11R5, listproc, etc.).
 - Constructed and maintained the Florida Tech Education Gopher and Florida Institute of Technology's World Wide Web server which provided teachers with seamless access to educational resources from around the world.
 - Prepared mid year and annual reports including information on current status and future goals for submission to the US Department of Education.
- ◆ **Adjunct Faculty**, Science Education Department, Florida Institute of Technology (8/93–5/94).
- Instructor for EDS 5299–Current Issues in Educational Technology, a required course in the Educational Technology Masters degree program.
 - Developed the course as a project-based hands-on experience with instructional technologies.
 - Technologies covered included; use of software packages for productivity and administrative tasks, internet access via Ethernet and dial up, access to the Florida Information Resource Network (FIRN), level I and level III laser video lesson development, authoring systems for Macintosh and Windows, CD-ROM, Image Digitalization and Video Capture, and Graphing Calculators.
 - Instructor for EDS 5250–Case Study: Using Electronic Networks in Education, a graduate level elective for the Science, Mathematics, Computer, and Technology Education programs.
 - Developed the course as a project-based hands on experience.
 - Guided students to proficiency in the use of network tools such as; e-mail, telnet, ftp, gopher, www, search tools and editors from both Unix and PC platforms.

- ◆ **Consultant**, the Center for Research on Educational Accountability and Teacher Evaluation (CREATE), Western Michigan University, Kalamazoo, MI (5/94–1/96).
 - Served as the technical lead for the development of the “Teacher Performance Evaluation System Improvement Kit,” a hypermedia tutorial distributed by CREATE.
- ◆ **Earth Science/Research Teacher**, DeLaura Junior High, Satellite Beach, FL (8/91–6/93).
 - Modified the Earth Science curriculum to incorporate laser videodisc technology as an instructional tool.
 - Developed lessons using IBM Linkway to control the videodisc player from the computer and project textual information using a liquid crystal display panel.
 - Assembled an MS-DOS based satellite weather station and implemented its use in the Earth Science and Research Classroom.
 - Sponsored Student Environmental and Meteorology clubs.
 - Supervised teacher interns in the Earth Sciences.
- ◆ **Consultant**, East Coast of Central Florida Center for Excellence in Education (1991–94).
 - Developed and presented teacher in-service instruction for county in-service days. Topics included level I and level III laser video instruction and satellite weather image reception and processing in the classroom.
- ◆ **Engineering Testing, Research and Design Fellow**, Summer Industrial Fellowship for Teachers (SIFT), Lockheed Space Operations Company (LSOC), Kennedy Space Center, FL (summer, 92).
 - Trained office staff on the use of Macintosh computer system.
 - Constructed and maintained a relational database for the analysis of data from an experimental space shuttle tile repair system.
 - Organized production of a videotape highlighting the latest technologies available from LSOC.
- ◆ **Graduate Assistant**, Science Education Department, Florida Institute of Technology (9/88–8/91).
 - Taught “Survey of Science”, a one-year required course for non-science majors consisting of a multi-disciplinary overview of science comprised of Astronomy, Geology, Physics, Chemistry, Biology, and Environmental Science.
 - Installed and managed the AppleTalk LAN in the Science Education Department.
 - Assisted science education students with computer and audio-visual equipment in the educational technology laboratory.
- ◆ **Instructor**, Florida Science Videodisc Project (summer, 1991).
 - Provided instruction to teachers on the use of HyperCard in the development of level III laser videodisc lessons.
- ◆ **Project Consultant**, East Coast of Central Florida Center for Excellence in Education (1991).

- Contributed to the 1991 Math and Science InTech Summer Workshop Manual used by Florida Centers of Excellence for in-service workshops which provided hands-on training in integrating technology (laser videodisc, hypermedia, CD-ROM, telecommunications, computer software, graphics calculator, and lab probeware) into math and science.
- ◆ **Adjunct Faculty**, Brevard Community College (8/90–5/92).
 - Taught General Biology (BSCC 1010), Introduction to Environmental Science (EVR 1001), and Physical Science Survey I (PSC 1321).
- ◆ **Instructor**, Project Earth Program (summer, 1989)
 - Taught and supervised high school students in a NSF funded, field-based, four-week residential environmental science program.
- ◆ **Research Assistant**, New Jersey Oyster Research Lab, Bivalve, NJ (summer, 86).
 - Designed and constructed an oyster hatchery and performed research on distribution, age class, and reproductive status of surf clams (Spisula solidissima).
- ◆ **Electronic Technician**, U. S. Navy (3/77–3/83).
 - Maintained and repaired various communication, navigation, and radar equipment.

Computer Experience

- ◆ **Macintosh**
 - Expertise with the Macintosh operating systems through OS X.
 - Creation of media components using Final Cut Pro, Sound Track Pro, The VR Works, Peak DV , Macromedia Flash & Fireworks and Adobe PhotoShop.
 - Development of multimedia educational software using Macromedia Dreamweaver, Flash and Director.
 - Expertise in various application software including word processing, spreadsheet, data base, integrated packages, communications, science probe-ware and science simulations.
 - Installation and maintenance of AppleTalk local area networks.
- ◆ **Windows**
 - Proficient user of Windows XP.
 - Expertise with Windows based word-processing, database, spreadsheet, and integrated software packages (Microsoft Office).
 - Experience with the installation and operation of various Windows based scientific programs. These include IBM probe-ware, weather stations, and weather satellite receiving systems.
 - Development of multimedia educational software using Macromedia Dreamweaver, Flash and Director.
 - Expertise with IP Software packages.

Significant Projects

- ◆ **Interactive Physics Simulations** (January, 2003). Supervised the development of various interactive simulations for an introductory physics course.
<http://www.nd.edu/~learning/Physics>
- ◆ **Brickwork in Italy** (September, 1999). A database of approximately 500 images of brickwork from Italy and their associated descriptions. Designed to be accessible from Windows or Macintosh and from a web browser or as a stand-alone CD-ROM resource.
- ◆ **Cancer Research–Biology 250** (May, 1999). Project leader for the design and programming of an interactive simulation of a cancer research lab. The simulation is being created to allow gain a better understanding of cancer research. The program allows students to run experiments, interpret results and diagnose a case with the constraint of budget limitations.
- ◆ **Elliptical Motion Simulation** (September, 1997). Designed and programmed a web-based simulation of the ellipses formed by the planets. This program allows students to vary parameters and observe the effect the changes have on the shape of an ellipse.
<http://www.nd.edu/~edtech/orbital>
- ◆ **The Ritual Ballgame** (October, 1996). Project leader for the design, programming and installation of the ballgame kiosk. This kiosk is installed in the Snite Museum of Art at the University of Notre Dame. It incorporates Virtual Reality panoramas and objects, video, and still images to enhance the experience of visitors to the Rev. Edmund P. Joyce Ritual Ballgame collection.
- ◆ **Teacher Performance Evaluation System Improvement Kit** (January, 1996.). Designed and programmed a web interface for this kit which is used by administrators in K-12 and Higher Education to develop teacher performance evaluation systems.
- ◆ **University of Notre Dame Web Site** (March, 1995). Served as team leader for a campus wide team, which determined the visual design and organization of the University's web server. Also played an integral role in the creation of graphics and initial development of the top levels of the web site.
- ◆ **Olmec Sellos Database** (October, 1994). Developed a database and interface that provides students with network access to a variety of information about, and prints from, the Olmec sellos in the Snite museum collection. It serves as an aid in their comparative study of the sellos collection.
- ◆ **Florida Institute of Technology Web Site** (1993). Designed, created and maintained the initial implementation of Florida Institute of Technology's web presence.

Awards

- ◆ Goals 2000 National Teacher Conference Participant, November 1993.

- ◆ Outstanding paper at the 1990 meeting of the Florida Academy of Sciences.
- ◆ Who's Who Among Students in American Universities and Colleges (1985, 87, & 91).
- ◆ Outstanding Junior in Biology (FIT 1986).
- ◆ Valedictorian and Commencement Speaker (OCC 1985), Cumulative GPA 4.0.

Activities

- ◆ **Organizations.** Professional and Organizational Development Network (2000 – present), American Association of Computers in Education (1998–present), American Association of Higher Education (1997–present), Association for Computing Machinery (1994–present), Sagwa Valley Home Learners (1995–present), American Association of Research in Education (1994–1997), National Science Teachers Association (92–93), Florida Future Educators Association (1989–91), FIT Students for Environmental Awareness (1989-90), *Beta Beta Beta* (1986–88), FIT Newman Club (1986–1988, President 1988), *Phi Theta Kappa* (1984–85), OCC Student Health Organization (President 1984–85).
- ◆ **Service.** Documentary Video Production for Heart and Hands, Plymouth Indiana (2/2006 – present), Academic Council (2003-present), University Library Web Advisory Board (2002–present), Teaching Learning and Technology Roundtable steering committee member (1998–2002), WebCT Advisory Board (1999–2001), Mentor–Opening Doors program for students of color (1998–Present), First Unitarian Church of South Bend Committee on Ministry (1996–2001), OIT Quality Improvement Council representative (5/96–10/97), Student representative on the FIT Library Committee (9/90–8/91; 8/93–8/94), DeLaura Meteorology Club Sponsor (1991–93), DeLaura Environmental Club Sponsor (1991–93), DeLaura Technology Committee member(1992–93), student representative to the President's Council on Alcohol and Drug Abuse (OCC 1984–85).
- ◆ **Languages.** English & Spanish

Invited Lectures/Workshops

- ◆ “Enseñanza y aprendizaje basado en competencias”, “Aprendizaje activo” and “El papel de un centro de enseñanza y aprendizaje en la universidad” at La Universidad de Talca, Talca, Chile, August 31 – September 9, 2005.
- ◆ “Teaching Well Using Technology: A Faculty Members Guide to Time Efficient Choices that Enhance Learning”
 - Middle Tennessee State University, Murfreesboro, TN: October 8, 2004.
 - California State University, Fresno, Fresno, CA; March 12-13, 2004.
 - Seton Hill University, Greensburg, PA; January 9, 2004.
 - California State System Summer Institute (CSSI), Office of the Chancellor, Long Beach, CA; June 17-18, 2003.
 - Associated Mennonite Biblical Seminary: Elkhart, IN; May 16, 2003.

- Seton Hill College, Greensburg, PA; January 10, 2003, January 19, 2002, October 13, 2001.
 - American Association of Colleges of Pharmacy: National Conference, Kansas City, MO; July 13, 2002.
 - California State System Summer Institute (CSSI), San Francisco State University, San Francisco, CA; June 17-18, 2002.
 - Marshall University, Huntington, WV; March 15, 2002.
 - University of Saskatchewan, Saskatoon, Saskatchewan, CA; February 8, 2002.
 - Anderson University, Anderson, IN; January 14, 2002.
 - Creighton University, Omaha Nebraska; August 13, 2001.
 - University of Nebraska Omaha, Omaha, Nebraska; August 14, 2001.
 - University of Wisconsin Lacrosse, Lacrosse, WI; June 8, 2001.
 - University of Wisconsin System – Faculty College; June 4 – 7, 2001.
 - Tulane University, New Orleans, LA; February 17, 2001.
 - Michigan College Foundation, Grand Rapids, MI; October 5, 2000.
 - Missouri Western State College, St. Joseph, MO; May 12, 2000.
 - Indiana University South East, New Albany, IN; February 25, 2000.
 - Kansas State University, Manhattan, KS; January 22, 2000.
 - Butler University, Indianapolis, IN; January 13, 2000.
- ◆ “Teaching Well Saving Time” and “Technology Tools for Learning and Teaching”, Xavier University of Louisiana, New Orleans, LA; January 6th and 7th, 2004.
 - ◆ “Innovaciones en Teaching and Learning” at El Primer Seminario y Muestra Internacional de New Media, Santiago, Chile, September 23, 2003.
 - ◆ “Tecnología en la educación universitaria” at the Universidad del Istmo, Guatemala City, Guatemala, July 3, 2003.
 - ◆ "Teaching Successfully with Technology : Strategies for Creating More Effective Learning Environments"; Saint Mary's College, Notre Dame, IN; May 23 & 24, 1999.
 - ◆ “Chalk, PowerPoint, E-mail, or Web? A Faculty Member’s Guide to Time-Efficient Choices that Enhance Learning”
 - Spokane Community College, Spokane, WA; October 15 &16, 1998.
 - University of Delaware, Newark, DE; May 21, 1998.
 - ◆ “Teaching Well with Technology”; Benedictine University, Lisle, IL; February 20, 1998.
 - ◆ “Internet Resources in the Classroom: What’s there and How can I Use It?”; University of Notre Dame, Excellence in Teaching Conference; October 10, 1997.
 - ◆ “Using Internet Resources in the Curriculum”; Mercyhurst College, Erie, PA; October 6, 1995.
 - ◆ “Email and the Web as Instructional Tools”; University of Western Michigan; June 30, 1995.

Publications

- Barry, K. (2006). Commentary: Wiki Web, Podcast Blog, PowerPoint, What's the Point. Political Communication Report, v16 n2, Spring 2006, <http://www.mtsu.edu/~pcr/>.
- Barry, K. (2003). "Assessment as the Lever" in *Developing Faculty to use Technology.*, Brown, D. Ed. Anker Publishing Company Inc., Bolton, MA.
- Laughner, T. & Barry, K. (2000). "Computing Environment at the University of Notre Dame" in *Teaching with Technology: Seventy-five Professors from Eight Universities Tell Their Stories.*, Brown, D. Ed. Anker Publishing Company Inc., Bolton, MA.
- Horton, P. B., Barry, K. et al. (October, 1993). A Content Analysis of Research Published in the *Journal of Research in Science Teaching* from 1985 to 1989. *Journal of Research in Science Teaching*, v30 n8 p857-69, October, 1993.
- Barry, K. (1992). Weather Satellite Image Reception and Processing for the Earth Science Classroom. Excellent Educator, 2(2), 2.
- Barry, K., (1990). The Design and Validation of the Environmental Issues Survey (EIS). Unpublished Master's Thesis, Florida Institute of Technology, Melbourne, FL.

Presentations/Conference Proceedings

- Barry K. & Laughner T. C. (October 2005). Teaching Well Using Technology: A Faculty Member's Guide to Wise and Time-Efficient Use of Instructional Technology. Pre-conference Seminar sponsored by Educause, Educause 2005.
- Barry, K. (March 2001). Pitfalls and Pleasures in a Distance Based Directed Readings in Science Education Course. Society for Information Technology in Teacher Education 2001, 12th annual Conference.
- Walvoord, B., Barry, K. (1999). Chalk, E-Mail, or Web: A Faculty Member's Guide to Wise and Time-Efficient Choices of Instructional Technology. The 19th Annual Lilly Conference on College Teaching, Miami University of Ohio.
- Barry, K. (March, 1998). Chalk, PowerPoint, E-mail, or Web? A Faculty Members Guide to Time-Efficient Choices that Enhance Learning. Society for Information Technology in Teacher Education 1998, 9th annual Conference.
- Walvoord, B., Barry, K., Laughner, T., Trembath, K. (1997). How Faculty Adopt Technology and How Institutions Can Help Them. AAHE National Conference on Higher Education, Washington DC.
- Gallo, M. A., Barry, K. et al. (November, 1994). The Internet and the Parent Community: A Case Study. Proceedings for Tel•Ed '94 The Third International Symposium on Telecommunications in Education, 91.

- Horton, P. B., Barry, K. et al. (March, 1992). Effects of Concept Mapping as an Instructional Tool: A Meta-Analysis. Proceedings of the 65th annual meeting of the National Association for Research in Science Teaching, 13.
- Horton, P. B., Barry, K. et al. (April, 1991). Randomness, Replication and Research Design in Five Years of the Journal of Research in Science Teaching. Proceedings of the 64th Annual NARST Conference, 97.
- Barry, K. (March, 1990). The Design and Validation of the Barry Environmental Attitude Test (BEAT). Proceedings of the 54th Annual of the Florida Academy of Sciences, 53 (1), 37.