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### 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, Toms River, NJ, May 1985.

### Employment

- ◆ **Director, John A. Kaneb Center for Teaching and Learning**, University of Notre Dame, Notre Dame, IN (7/2012 – present)
  - Collaborate with the Provost and Deans' offices to support the pursuit of excellence in teaching and learning.
  - Support departments and programs in the development of utilization focused evaluation practices.
  - Aid faculty and teaching assistants in the process of selecting pedagogically sound methods and tools to achieve the learning objectives that they have identified for their students.
  - Represent the Kaneb Center at Academic Council and on other university-wide committees.
  - Maintain current knowledge of educational theory, practice and technology.
  - Work with Kaneb Center staff to set priorities and develop programs for the center.
  - Manage Kaneb Center Budgets.
- ◆ **President, Professional and Organizational Development Network in Higher Education (POD Network)** (3/2015 – present)
  - Serve on the POD Network executive committee for a 3-year period as President Elect, President, and Past President.
- ◆ **Interim Director, John A. Kaneb Center for Teaching and Learning**, University of Notre Dame, Notre Dame, IN (7/2009 – 6/2012)
  - Maintained Kaneb Center programs and Services.
  - Facilitated self-study, strategic plan and external review of the center.
- ◆ **Associate Director, John A. Kaneb Center for Teaching and Learning**, University of Notre Dame, Notre Dame, IN (7/2004 – 6/2012)
  - Worked with the Kaneb Center Director to set priorities and develop programs for the center.

- 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.
  - Maintained current knowledge of educational theory, practice and technology.
  - Identified and investigated emerging technologies that may add value in the teaching and learning process.
  - Managed Scholarship of Teaching and Learning (SoTL) program.
  - Represented the Kaneb Center at Council and on other university-wide committees.
  - Managed Kaneb Center Budgets
- ◆ **Fellow, Institute for Latino Studies**, University of Notre Dame, Notre Dame, IN (1/2012 – Present)
- ◆ **Acting Director, Center for Creative Computing**, College of Arts and Letters, University of Notre Dame, Notre Dame, IN (8/2008 – 6/2009 & 7/2005 – 6/2006).
- Provided leadership and direction for the Center while the Director is on sabbatical.
  - Managed the upgrade of the Center’s computer technology in spring of 2009.
- ◆ **Assistant Director, John A. Kaneb Center for Teaching and Learning**, University of Notre Dame, Notre Dame, IN (1/2000 – 6/2004)
- 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.
  - 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.
- ◆ **Concurrent Instructor**, University of Notre Dame, Notre Dame, IN (8/1998 – present)
- CAPP 23507, La telenovela: genero, significado cultural y producción estudiantil, a course cross listed in 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 – 2005)
  - 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.
  - Served on the steering committee of Notre Dame's Teaching Learning and Technology Roundtable (TLTR).
- ◆ **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.
- ◆ **Instructional Resource Coordinator**, Academic & Research Computing Services, Florida Institute of Technology, Melbourne, FL (4/93 – 8/94).
- ◆ **Adjunct Faculty**, Science Education Department, Florida Institute of Technology (8/93 – 5/94).
- Instructor for EDS 5299 – Current Issues in Educational Technology and EDS 5250 – Case Study: Using Electronic Networks in Education.
- ◆ **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.
  - 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).
- Constructed and maintained a relational database for the analysis of data from an experimental space shuttle tile repair system.
  - Organized production of a video 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.
- ◆ **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).
- ◆ **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.

### Scholarships and Fellowships

- ◆ Fulbright Senior Specialists Grant in Education at the University of Talca, Chile (5/20 to 6/21, 2007).

### Distinctions, Honors, Awards

- ◆ Quoted in the New York Times: “Teaching Professors to Become Better Teachers,” by John Hanc, June 22, 2016.
- ◆ University of Notre Dame, College of Arts and Letters Award of Appreciation for Outstanding Service (September 8, 2011).
- ◆ 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.

### Books and Monographs

- ◆ **Project Mexico Immersion: Confronting Transnational Migration** (May 2007) – A short documentary chronicling the experience of a group from Plymouth Indiana as they come face to with issues of transnational migration.
  - ◆ Screening hosted by Kellogg Institute for International Studies, and Migration and Border Studies Center, University of Notre Dame, March 20, 2007.
  - ◆ Included in the “*Sights of Immigration*” section of the 2007 President’s Forum on Immigration website, <http://forum2007.nd.edu/stories/sights-of-immigration/>.

### **Refereed Publications**

- Crane, K., Barry, K., & Norris, L. (2010). Mobilizing Communities through International Study Tours: Project Mexico Immersion and New Immigrants in the Midwest. *Human Organization*, volume 69, number 4.
- 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.

### **Unrefereed 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. (1992). Weather Satellite Image Reception and Processing for the Earth Science Classroom. Excellent Educator, 2(2), 2.

### **Other Publications**

#### **Contributions to Edited Volumes**

- 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.

#### **Conference Presentations/Proceedings**

- Huston, T., Barry, K., Johnson, T., Iuzzini, J. (2012). Getting Started: Workshop for New Faculty Developers. The Professional and Organization Development (POD) Conference 2012, Seattle, WA.
- Barry, K. (2010). Rethinking Evaluation of Teaching at the University of Notre Dame. The Professional and Organization Development (POD) Conference 2010, St. Louis, MO.

- Barry K. & Mangione-Lora E. (2009). Expanding the Concept of Literacy. The American Council on the Teaching of Foreign Languages 2009, San Diego, CA.
- Barry, K. & O'Donnell M. (2009). Increasing FL Oral Practice Outside the Classroom through Combined Technologies. The American Council on the Teaching of Foreign Languages 2009, San Diego, CA.
- Barry K. (2007). International Collaboration through the Fulbright Senior Specialists Program. The Professional and Organization Development (POD) Conference 2007, Pittsburgh, PA.
- 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.
- Bruning, M., Larsen, V. & Barry, K. (2003). Exploring Multiple Web-based Technologies to Support Teacher Education Preparation. In C. Crawford et al. (Eds.), Proceedings of Society for Information Technology & Teacher Education International Conference 2003 (pp. 2359-2361). Chesapeake, VA: AACE.
- Barry, K., Laughner, T. & Walvoord, B. (2000). Teaching Well With Technology: An Educator's Guide to Wise and Time-Efficient Use of Instructional Technology. In D. Willis et al. (Eds.), Proceedings of Society for Information Technology & Teacher Education International Conference 2000 (pp. 457-462). Chesapeake, VA: AACE.
- Larsen, V., Barry, K. & Staud, J. (2000). The Alliance for Catholic Education (ACE): Integrating Technology into a Holistic Teacher Education Program. In D. Willis et al. (Eds.), Proceedings of Society for Information Technology & Teacher Education International Conference 2000 (pp. 674-679). Chesapeake, VA: AACE.
- 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.

### **Invited Lectures and Addresses**

- ◆ “Assessing the Impact of Learner Centered Pedagogy” at La Universidad del Bío-Bío, Concepción, Chile; July 3-4, 2014.
- ◆ “Assessment for Learning and Program Improvement” at the Congreso Internacional: Universidad Innovadora en América Latina, Arequipa, Peru, October 26, 2013.
- ◆ “How to Engineer and Sustain Teaching Innovation in Universities” at the 2013 International CDIO Conference, Massachusetts Institute of Technology, Cambridge, MA; June 10, 2013.
- ◆ “Educational Development & the Work of the Kaneb Center” at the North American Regional CDIO Meeting, University of Notre Dame, Notre Dame, IN; November 15, 2012.
- ◆ “Teaching with Classroom Response Systems” at the “STEM Forum”, part of the University of Notre Dame’s 2011-12 “Reimagining School: to Nurture the Soul of a Nation” Forum, University of Notre Dame, Notre Dame, IN; June 12, 2012.
- ◆ "Rethinking the Evaluation of Teaching at the University of Notre Dame" at Xavier University, Cincinnati, OH; May 15 & 16, 2012.
- ◆ “Teaching Well Using Technology: A Faculty Members Guide to Wise and Time-Efficient Use of Instructional Technology” at the North East Regional Computing Program Conference (NERCOMP), University of Massachusetts at Amherst, Amherst, MA; November 12, 2008.
- ◆ “Guiando Discusiones Eficaces” at La Universidad de Antofagasta, Antofagasta, Chile; June 4, 2007.
- ◆ “Implementación y Práctica de una enseñanza centrada en la indagación” at La Universidad de Los Lagos, Osorno, Chile; June 1, 2007.
- ◆ “Enseñanza y aprendizaje basado en competencias”, “Aprendizaje activo” and “El papel de un centro de enseñanza y aprendizaje en la universidad” at the 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 6<sup>th</sup> and 7<sup>th</sup>, 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.

### **Multimedia 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://learning.nd.edu/orbital/orbital-info.html>
- ◆ **The Ritual Ballgame** (October, 1996). Project leader for the design, programming and installation of the ballgame kiosk. 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 that 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 to determine the visual design and organization of the University's web site. 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 collection in the Snite museum.
- ◆ **Florida Institute of Technology Web Site** (1993). Designed, created and maintained the initial implementation of Florida Institute of Technology's web presence.

### Activities

#### Organizations

- ◆ Professional and Organizational Development (POD) Network (2000 – present).
- ◆ Association of American Colleges and Universities (2005 – present).
- ◆ American Association of Computers in Education (1998 – 2005).
- ◆ American Association of Higher Education (1997 – 2004).
- ◆ Association for Computing Machinery (1994 – 2003).
- ◆ 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

- ◆ University of Notre Dame University Writing Program Steering Committee (11/2012 – present).
- ◆ University of Notre Dame Committee on Women Faculty and Students (8/2010 – 2016).
- ◆ Professional and Organizational Development Network (POD): Past President (3/2017 – present), President (3/2016 – 3/2017), President Elect (March 2015 – March 2016), Board of Directors (2010 –2013), Conference Co-chair (2009 International Conference, Houston, TX), Program Co-chair (2008 International Conference, Reno, NV), Pre-conference Sessions Chair (2007 International Conference, Pittsburgh, PA), Host for various POD Network email lists (2000 – Present).
- ◆ Documentary Video Production for Heart and Hands, Plymouth Indiana (2006).
- ◆ University of Notre Dame Council for Academic Technologies (2004 – present).
- ◆ University of Notre Dame Academic Council (2004 – present).
- ◆ University Library Web Advisory Board (2002 – 2006).
- ◆ Teaching Learning and Technology Roundtable steering committee member (1998 – 2002).
- ◆ WebCT Advisory Board (1999 – 2001).
- ◆ Mentor–Opening Doors program for students of color (1998 – 2006).
- ◆ First Unitarian Church of South Bend Committee on Ministry (1996 – 2001, 2013 –2015).
- ◆ OIT Quality Improvement Council representative (5/1996 – 10/1997).
- ◆ Student representative on the FIT Library Committee (9/1990 – 8/1991; 8/1993 – 8/1994).
- ◆ De Laura Junior High School: Meteorology Club Sponsor (1991 – 1993), Environmental Club Sponsor (1991–93), Technology Committee member (1992 – 1993).
- ◆ President’s Council on Alcohol and Drug Abuse (OCC 1984 –1985).

### Computing Skills

#### ◆ **Macintosh**

- Expertise with the Macintosh operating systems through OS X.
- Creation of media components using Adobe Premiere and Adobe Photoshop.
- Expertise in various application software including word processing, spreadsheet, data base, integrated packages, communications and science simulations.

#### ◆ **Windows**

- Proficient user of Windows.
- Expertise with Windows based word-processing and spreadsheets.

### Languages

- ◆ English; Spanish (Intermediate High to Advanced Low)