

Curriculum Vitae for Dr. Richard J. Jerz, January 2018

Lecturer, The University of Iowa

(563) 447-0180, Rick@rjerz.com

1. **Name and birth date** Dr. Richard Jerz. Born May 6, 1955.
2. **Academic Rank** Lecturer, full-time.
3. **Degrees with fields, institutions, and dates** Ph.D., Industrial Engineering, The University of Iowa, 1997.
MBA, St. Ambrose University, 1984.
BS, Industrial Engineering, Illinois Institute of Technology, 1978.
4. **Original appointment and advancement in rank dates**

The University of Iowa
Adjunct Professor, Industrial Engineering, January 2002
Adjunct Professor, Tippie College of Business, January 2010.
Lecturer, Tippie College of Business, January 2017

St. Ambrose University
Assistant Professor, St. Ambrose University, January 1993.
Associate Professor, St. Ambrose University, August 2000.
Professor, St. Ambrose University, August 2003.
Lecturer, The University of Iowa, January 2017
5. **Other related experience**

2017 – Current, The University of Iowa, Lecturer, The College of Business, Management Sciences.

1983 - 2016, Software Generation Incorporated (SGI), Pleasant Valley, Iowa. Vice President. SGI develops race results software and provides race-reporting services.

2010 - 2016, The University of Iowa, Iowa City, Iowa. Adjunct Professor in Management Sciences, Teach courses in the undergraduate business program, online BBA program, and MBA program.

2002 - 2010, The University of Iowa, Iowa City, Iowa. Adjunct Professor in Mechanical and Industrial Engineering (MIE).

1991 - 1992, Komar Industries, Groveport, Ohio. Manager of Engineering, Controls, and Information Systems. Responsible for managing product design engineering, computer networking and information systems, and advanced man-machine control systems.

1991, Deere & Company, Financial Services, Moline, Illinois. Responsible for developing computer network applications and personnel training.

1988 - 1991, Deere & Company Technical Center, Computer Network Operations, Moline, Illinois. Responsible for implementing and administering computer operations including personal computers, mini-computers, and mainframe computer applications. Trained personnel. Installed a worldwide fully integrated electronic mail system.

1988 - 1991, St. Ambrose University, Davenport, Iowa. Adjunct Professor, College of Business. Taught Operations Management for the MBA program.

1980 - 1988, Deere & Company, Manufacturing Research & Development, Moline, Illinois. Responsible for promoting industrial robot and vision technologies application. Consulted with Deere factories about applications, trained factory personnel, developed analysis tools, managed a joint IBM/Deere robotic assembly project, helped install first robotic assembly system at the Des Moines Works factory, co-developed a portable robot repeatability hardware and software system, and co-developed a computer-aided process planning system for setting turning and boring machine operation parameters.

1978 - 1980, John Deere Waterloo Tractor Works, Manufacturing Research and Development, Waterloo, Iowa. Responsible for investigating and installing new-technology manufacturing equipment.

1976 - 1978, John Deere Waterloo Tractor Works, Waterloo, Iowa. Co-op student.
6. **Consulting, patents, etc.**

Consulting and Professional Activities
2015, Subject Matter Expert for the development of the business course “Quantitative Analysis.” Western Governors University, Salt Lake City, Utah.
2011-current, Moodle.org. Particularly Helpful Moodler 2013, 2014, and 2015
2009, Moodle Overview, Jordan Catholic School, Rock Island, IL.
2009, Forecasting Modeling in Excel to support ERP system, Bandag Inc., Muscatine, IA.
2004, Seat Identification prior to Shipment Project. Sears Manufacturing, Davenport, IA.
11/2000 – 11/2001, Scott County Decategorization Community Integrated Services System Initiative (CISS) Grant. Technical advisor.
10/2000 – 1/2002, Master's of Orthotic Science Degree Program, St. Ambrose University. Advisory board member.
1999 - 2003, Advanced Rotary Division of Labor, Fulton, Illinois. CAD consultant.
1999 - 2003, Scott Community College CAD Council, Davenport, Iowa. Advisory board member.
2001, “Incorporating Process Planning into Conceptual Design,” National Research Council (NRC) and National Institute of Standards and Technology (NIST). Postdoctoral research proposal, not funded.
1999 - 2000, Tech Prep Advisory Council, Mississippi Bend AEA, Davenport, Iowa.

- Advisory board member.
- 2/2000, Quad City Engineering & Science Council, "Partnering in Engineering and Science Education", St. Ambrose University Convention Center, Davenport, Iowa. Panel speaker.
- 1996, St. Ambrose University MBA Student Database Development. Consultant.
- 1995, "Organizing Employees, Equipment, and Processes", seminar provided to the City of Davenport, sponsored by SAU Professional Development Center. Instructor.
- 1993, "Automated Highway System," The University of Iowa, Director Dr. James Buck, Industrial Engineering Department. Research assistant.

Professional Presentations

- Jerz, R., "Customizing MORE to Improve Your Moodle's Appearance", MoodleMoot United States 2016, Hollywood, California. 2016.
- Jerz, R., "Expanding your MoodleCloud Storage to Fill the Entire Sky", MoodleMoot United States 2016, Hollywood, California. 2016.
- Jerz, R., "Using RSS Feeds for Distributing Videos," MoodleMoot United States 2015, Minneapolis, Minnesota. 2015.
- Jerz, R., "Time Warping Education: A Business Statistics Example," Best-in-Track Award, Sloan-C 10th Annual Blended Learning Conference and Workshop, Milwaukee, WI, 2013.
- Jerz, R., "The Power of the Podcast," Portland Moot, Portland, Oregon. 2013.
- Jerz, R., "Producing Multimedia Training Materials: Tools and Techniques," SolidWorks World 2007, New Orleans, Louisiana, February 2007.
- Jerz, R., Fischer, G., "Experiences in Designing a Design for Manufacturing (DFM) Course," ASEE Annual Conference, Portland, Oregon, June 2005.
- Jerz, R., "Creating Multimedia Courseware for an Engineering Graphics Course," ASEE Annual Conference, Montreal, Canada, June 2002.
- Jerz, R., "Redesigning Engineering Graphics to Include CAD and Sketching Exercises," ASEE Annual Conference, Montreal, Canada, June 2002.
- Jerz, R., "Combining the Resource Consumption Model (RCM) and the Cambridge Engineering Selector (CES) to Analyze Product Design" Symposium on Materials and Process Selection, Euromat, Rimini, Italy, June 2001.
- Jerz, R., "How CAD Forces Changes to Engineering Graphics Education," ASEE Annual Conference, Albuquerque, New Mexico, June 2001.
- Jerz, R., "What Can Solids Modeling Eliminate from Engineering Graphics Education?" SolidWorks World, Orlando, Florida, February 2001.
- Jerz, R., "A Resource Consumption Model (RCM) For Process Design," 2nd International Conference on Engineering Design and Automation, Maui, Hawaii, August 1998.
- Jerz, R., "Experiences in Continuous Improvement of Computer-Aided Manufacturing Systems," ASEE Annual Conference, Seattle, Washington, June 1998.
- Jerz, R., Hill, T., Opar, M., and Kanzaki, G., "An Integrated Education for ABET 2000: Experiences from a Small University," ASEE Annual Conference, Seattle, Washington, June 1998.
- Jerz, R., "Utilizing Modern Computer Development Tools In Implementing The Resource Consumption Model for Process Design (RCM)," Industrial Engineering Research Conference '98, Banff, May, 1998.

The University of Iowa Activities

- 9/2014, "Flipped Classroom" presenter at the Center of Teaching Excellence workshop.

St. Ambrose University Activities

- 8/2015-current, Faculty Development Committee, Member.
- 4/2015, Presenter at Center for Teaching Excellence "Brag and Steal" event.
- 9/2014, "Flipped Classroom" presenter at the Center of Teaching Excellence workshop.
- 8/2012-current, College of Business, eText Committee Member.
- 7/2010-current, College of Business, MBA Grievance Committee, member.
- 5/2010, 5/2011 "American Business Experience," St. Francis School for Women. Provided "Operations Management" component for the India students.
- 5/2010, "Creating and Using Audio Files in Teaching" FDC seminar. Coordinator and trainer.
- 7/2009-current, Mentoring Program, participant.
- 5/2009-6/2010, Faculty Development Committee, Chairperson.
- 6/2008-6/2010, Faculty Development Committee, Member.
- 4/2008, Faculty Assembly, Ad-hoc Committee to write Faculty Job Description.
- 4/2008, College of Business, Adding Value to SAU Education Task Force, member.
- 4/2008, College of Business, Educational Delivery Systems Task Force, member.
- 2/2008, Demonstration and Discussion Of Student Response Systems, presentation sponsored by the St. Ambrose Center for Teaching Excellence.
- 9/2006 – 5/2008, MBA Admissions Committee member.
- 4/2005, College of Business MBA committee member, new leveling course development.

9/2001- 6/2003, Promotion, Tenure, and Standards Committee, member.
 3/2002 – 10/2002, Promotion, Tenure, and Standards Subcommittee on Scholarship, member.
 10/2001, College of Business MBA Internship Committee, member.
 2/2001, College of Business International MBA Committee, member.
 9/2000 – 6/2002, College of Business Administrative Council, member.
 8/1998 - 6/2002, Chair, Industrial Engineering Program.
 1/1993 - 6/2002, Industrial Engineering Lab Coordinator.
 4/2001, Special Investigator for International MBA Program Offering, Shenyang, China.
 2001 Spring, International MBA Committee, member.
 2000-2001, College of Business, Operations Research Faculty Search Committee, member.
 2000, MBA Mission Statement Committee, member.
 2000, SAU Visioning Committee, member.
 8/1998 - 5/2000, SAU Board of Studies Committee, member
 1999 Spring, Distance Learning Committee, member
 1996, SAU Professional Development, Mini MBA Instructor.
 1995, Copy Machine Planning Committee, member.
 1993, Network Advisory Committee, member.
 1993, Network Personnel Committee, member.

Other Professional Activities

1/2016, Using RSS Feeds for Distributing Videos, Member, The University of Iowa.
 2/2016, CommUniversity Instructor, "Up and Running with Moodle: The Basics".
 Presentation submitted.
 11/2014, Attended "SolidWorks 2015 Launch Event," Cedar Rapids, IA
 3/2013, Book reviewer for "Operations Management", 11th Edition, by William Stevenson, Irwin, Copyright 2012.
 2/2013, CommUniversity Instructor, "Starting Your Own Website".
 2012, Blog post, Heizer & Render, Operations Management. Excel Active Models.
 2012, Book reviewer for "Statistical Analysis Using Excel 2010", by Dr. Larry Pace.
 3/2012, Attended SAP University Alliances conference and training, San Antonio. Provided feedback and recommendations about the College of Business becoming an academic member in this organization.
 2011, Book reviewer for "Business Statistics," Flat World Knowledge.
 2009, Book reviewer for "Intro to Business Statistics," by Dr. Bob Donnelly, Perason.
 2009, Book reviewer for "Excel Data and Statistics Handbook," by Dr. Larry Pace
 2008, Book reviewer for "Excel 2007 Statistics Cookbook, by Dr. Larry Pace.
 2008, ASEE Journal of Engineering Education, "Improvements in Spatial Ability as a Result of Targeted Training and CAD Software," Article reviewer.
 2004, 2005, 2006, Engineering Economist Journal committee for candidates for Grant Award (best journal paper).
 2/2005, ASEE 2005 National Conference, paper reviewer for Manufacturing Division.
 2004, Institute of Industrial Engineers/Engineering Economy Division: Eugene L. Grant Award Committee/Board of Director, member.
 2/2003, ASEE2002 National Conference, paper reviewer for Manufacturing Division.
 7/2002, Contributor to "Engineering Design with SolidWorks 2001Plus," D.C. Planchard and M.P. Planchard, Schroff Development Corporation, 2002.
 3/2002, Manuscript reviewer for "Technical Graphics Communication" by Gary Bertoline, McGraw-Hill.
 1993 - 2002, EurAupair, community counselor.
 2/2002, ASEE2002 National Conference, paper reviewer for Multimedia and ABET Divisions.
 11/2001, DAAD Applicant to visit and assess engineering education in Germany, not funded.
 3/2001, 2001 IIE Regional Conference for Regions 8 & 11, Iowa City, Iowa. Technical Paper contest judge.
 2/2001, "A Template-Based Intelligent Process Planning System of Engine Crankshafts," Computers & Industrial Engineering Journal, article reviewer.
 4/1998, "CAD in Education" Workshop, Mississippi Bend AEA, Davenport, Iowa. Workshop organizer.

External Grants

2003, The University of Iowa, Instructional Improvement Awards, "Acquisition of SolidWorks CAD for DFM Course," proposal not funded.
 2003, The University of Iowa Academic Technologies Advisory Council, Innovations in Instructional Computing Awards, "Compress Time with Instructional Videos," proposal not funded.
 2003, Iowa College Foundation (ICF) Technology Integration Grant, "Prenatal Exam Video," \$2,000 awarded.
 1997, Society of Manufacturing Engineers Educational Foundation Grant (\$40,000) to

improve IE lab software.

1997, Jerz, R. and Welke, H., "3D CAD Pilot Project for Bettendorf High School," Scott County Regional Authority (Riverboat Grant) for Bettendorf High School, Bettendorf, Iowa, \$20,000 Grant Awarded for CAD software and curriculum development.

1997, Society of Manufacturing Engineers Educational Foundation Grant to improve solids modeling capabilities and redevelop courses, \$74,000, not funded.

Volunteer

2008, 2007, 2006, 2005, Pleasant Valley High School Cross Country Invitational, Finish line results

2007, 2006, 2005, 2004, Cody Elementary. Publish the Cody Student Directory

2007, Cody Elementary. Front yard beautification project team.

2004, Cody Elementary. Assisted playground equipment assembly.

1/2001-current, Math Tutor, Bettendorf Middle School, Bettendorf, Iowa.

9/1999-5/2000, School Board Liaison, Paul Norton Elementary School.

9/1997-6/1998, Computer Lab Coordinator, Paul Norton Elementary School, Davenport, Iowa.

9/1996-6/1998, Computer Lab Assistant, Paul Norton Elementary School, Davenport, Iowa.

9/1997-5/2000, Ski Club Advisor, St. Ambrose University.

7. State(s) registered as a Professional Engineer

None

8. Principal publications of last ten years

Jerz, R., Fischer, G., "Experiences in Designing a Design for Manufacturing (DFM) Course," ASEE Annual Conference, Portland, OR, June 2005.

Jerz, R., "Creating Multimedia Courseware for an Engineering Graphics Course," ASEE Annual Conference, Montreal, Canada, June 2002.

Jerz, R., "Redesigning Engineering Graphics to Include CAD and Sketching Exercises," ASEE Annual Conference, Montreal, Canada, June 2002.

Jerz, R., "How CAD Forces Changes to Engineering Graphics Education," ASEE Annual Conference Proceedings, Albuquerque, New Mexico, June 2001.

Jerz, R., "Combining the Resource Consumption Model (RCM) and the Cambridge Engineering Selector (CES) to Analyze Product Design" Symposium on Materials and Process Selection, Euromat, Rimini, Italy, June 2001.

Jerz, R. and Hustedde, M., "Writing Intensive in the Industrial Engineering Classroom," Longman Journal, January 2001 (submitted, not published).

Jerz, R., "Experiences in Continuous Improvement of Computer-Aided Manufacturing Systems," ASEE Annual Conference Proceedings, Seattle, Washington, June 1998.

Jerz, R., Hill, T., Opar, M., and Kanzaki, G., "An Integrated Education for ABET 2000: Experiences from a Small University," ASEE Annual Conference Proceedings, Seattle, Washington, June 1998.

Jerz, R., "Utilizing Modern Computer Development Tools In Implementing The Resource Consumption Model for Process Design (RCM)", Industrial Engineering Research Conference '98 Proceedings, Banff, Canada, May 1998.

Jerz, R., "A Resource Consumption Model (RCM) For Process Design," 2nd International Conference on Engineering Design and Automation Proceedings, Maui, Hawaii, August 1998.

Jerz, R., "A Resource Consumption Model (RCM) for Process Design," Dissertation, The University of Iowa, Industrial Engineering, December 1997.

9. Scientific and professional societies

American Statistical Association (ASA), member, 2010

American Production and Inventory Control Society (APICS) - member since 1993.

American Society for Engineering Education (ASEE) - member since 1997.

American Society of Mechanical Engineers (ASME) - 1994 to 2002.

Institute of Industrial Engineering (IIE) - member since 1976.

Moodle Users Association Inc. – member since 2016

Quad City Engineering & Science Council, member since 1999.

Society of Manufacturing Engineers (SME) - member since 1980.

10. Honors and awards

Moodle.org, "Particularly Helpful Moodler" award. 2013, 2014, 2015, 2016, 2017.

Best-in-Track Award, Sloan-C 10th Annual Blended Learning Conference and Workshop, "Time Warping Education: A Business Statistics Example", Milwaukee, WI, 2013

IE Outstanding Adjunct Professor Award, The University of Iowa, IE Student Chapter, 2005
United States Department of Energy - Integrated Manufacturing Predoctoral Fellowship, 1995.

Graduated with high honors from Illinois Institute of Technology, 1978.

Outstanding Undergraduate in Industrial Engineering, Illinois Institute of Technology, 1978.

Cooperation Education Special Recognition Award, Illinois Institute of Technology, 1978.

Life member of Tau Beta Pi engineering honor fraternity.

- Member of Alpha Pi Mu Industrial Engineering honor fraternity.
- 11. Subjects or courses taught including hours and sections**
- The University of Iowa - Last Year
 Operations Management (MSCI3000), 3hrs.
 Information Systems (MSCI3005), 3 hrs.
 Business Analytics (MBA8150 and MSCI9100), 3hrs.
 Data Management and Visual Analytics (MSCI6050), 3hrs.
- St. Ambrose University - Last Year before Early Retirement
 Operations Management (MBA670-graduate), 3 hrs.
 Operations Management (STBE333), 3 hrs.
 Business Statistics (STBE237), 3 hrs.
 Quantitative Reasoning (STBE137), 3hrs.
- St. Ambrose University - Previous years
 Engineering Graphics (IE110), 3 hrs.
 Introduction to Microcomputers (IE290), 3 hrs, 2 sections.
 Manufacturing Materials & Processes (IE295), 3 hrs.
 Introduction to Design for Industrial Engineers (IE304), 3 hrs.
 Operational Planning, Scheduling and Control (IE350), 3 hrs.
 Computer-Aided Manufacturing Systems (IE375), 3 hrs.
 Professional Experience (IE450), 3hrs, 1 section
 Systems Integration & Design (IE415), 3 hrs.
 Senior Design Seminar (IE490), 3 hrs.
 Industrial Engineering Seminars (IE201, IE301, and IE401), 0 hrs.
 Introduction to Computer Science (CSCI120), 3 hrs.
 Intermediate Algebra (Math096), 3 hrs.
 New Student Seminar (NSS), 1 hr.
- 12. Other assigned duties performed during the academic year, with average hours per week; indicate which carry extra compensation**
- Assigned duties during academic year
 Tippie Online Education Committee, 2017
- 13. Specific programs in which faculty member has participated to improve teaching and professional competence during last five years**
- Improving Teaching and Professional Competence
 2015, "Cloud Solutions," Presented to Digital Media Producers, The University of Iowa.
 2015, Transitioning to Online – Fears, Concerns, and Opportunities, Dr. Tawnya Means presentation, St. Ambrose University.
 2015, 4Cast 2015 Conference, The University of Iowa.
 2014, ShareStream Video System Meeting, The University of Iowa
 2013, Seminar on Responsive Webpage Design, The University of Iowa.
 2013, FERPA Training, The University of Iowa.
 2013, Seminar on ADA Webpage Design, The University of Iowa.
 2005-current, Numerous seminars on improving classroom instruction, The University of Iowa
 2010-current. Member of Lynda.com, which is an abundant offering of training on many computer products.
 2010, GMAC Contest for best idea to improve education, submitted entry.
 2010, 4Cast 2010 Conference, The University of Iowa.
 2009, The University of Iowa, 1st Clicker Conference.
 2009, The University of Iowa, Clicker training.
 2009, SAU Faculty Development Grant recipient, iPods for the Classroom.
 2008, SAU Faculty Development Grant recipient, Visual Basic/Graphing for RCM.
 2007, Adobe, Creative Suite 3 Conference, Chicago, Illinois.
 2006, McGraw Hill seminar on Podcasting, Chicago, Illinois.
 2006, SAU Faculty Development Grant recipient, Podcasting.
 2005, SAU Faculty Development Grant recipient, Animation software.
 2005, SAU Faculty Development Grant recipient for STBE333 – in class testing technology.
 2004, nTITLE multimedia instruction workshop participant, The University of Iowa.
 2003, SAU Faculty Development Grant recipient for industrial control lab development.
 2003, Technology & Education: The Integrated Classroom, Iowa College Foundation/Coe College, Workshop Participant.
 2003, SAU Faculty Development Mini Grant recipient for voice recognition software and webpage development.
 6/2002, "New Approaches in Materials and Manufacturing Education" Seminar, Montreal, Canada, Granta Design Limited, participant.
 2002, SAU Faculty Development Mini Grant recipient for exam creation software.

2001, SAU Faculty Development Mini Grant recipient for web page improvements.
1999, SAU Faculty Development Grant recipient for IE110 course redevelopment.
1999, SAU Title III Grant recipient, Utilizing Technology In The Classroom, Digital Editing.
1998, SAU Title III Grant recipient, Utilizing Technology In The Classroom, Digital Camera.
1998, SAU Faculty Development Mini Grant recipient for web page development.
1998, "Integrating Design Experiences in Engineering Curriculum," an NSF-sponsored workshop, Seattle, Washington, participant.
1997, SAU Title III Grant co-author (Dr. Kanzaki), Utilizing Technology In The Classroom, CAD software.
1996, SAU Faculty Development funding for IE295 course redevelopment.
1996, "The Economic Principles of Engineering Design", an NSF-sponsored workshop, Salt Lake City, Utah, participant.
1995, SAU Title III Grant recipient, Utilizing Technology in the Classroom (CD Technology.)
1994, SAU Lilly Grant funding for improving teaching pedagogy for IE304.
1994, SAU Faculty Development Research Grant recipient for "Ergonomic Issues in Controlling Machine Cells."
1993, SAU Faculty Development Grant recipient for IE375 course redevelopment.

Training

2009, HAAS Milling Operator Training, Cedar Rapids, IA.
1998, SolidWorks (CAD) training, Computer Aided Technology, Chicago.
7/1997, SolidWorks (CAD) training, Progressive Computing, Mentor, Ohio.
1995, Visual Basic training, IMG University, Chicago.
6/1994, Solidworks (CAD) special installation training, Chicago.
1995, Faculty Development Seminar: Improving Writing Skills in the Classroom, St. Ambrose University.

Conferences and Professional Shows Attended

2017, MoodleMoot United States, New Orleans, Louisiana.
2017, MountainMoot, Helena, Montana.
2016, MoodleMoot United States, Los Angeles, California.
2015, MoodleMoot United States 2015, Minneapolis, Minnesota.
2013, Sloan-C 10th Annual Blended Learning Conference and Workshop, Milwaukee, Wisconsin.
2013, Portland Moot, Portland, Oregon.
2011, Moodle Moot US - West Coast 2011, Rohnert Park, California.
2010, Joint Statistical Meeting, Vancouver, BC, Canada.
2008, 2006, Educom.
2007, 2004, 2001, SolidWorks World
2006, 2003, 2002, 2001, National Manufacturers Week, Chicago.
2010, 2006, 2004, 2000, 1998, 1996, and 1994, International Manufacturing Technology Show, Chicago.
2005, 2004, 2003, 2002, 2001, 1998, ASEE Annual Conferences.
2001, Comdex, Chicago.
1998, 2nd International Conference on Engineering Design and Automation, Maui, Hawaii.
1998, 1996, and 1994, Institute of Industrial Engineers Annual Conference.
1995, 1993, and 1992, Society of Manufacturing Engineers Autofact Conference.