

Curriculum Vitae

Jerry W. Gravander
Clarkson University
Potsdam, NY

EDUCATION

The University of Texas at Austin, Ph.D., philosophy, with a concentration in the history and philosophy of science, 1975.
University of Tennessee at Knoxville, B.A., philosophy, 1966.
Illinois Institute of Technology, B.S. in Chemistry, 1964.

EMPLOYMENT

Associate Dean of the School of Arts & Sciences, Clarkson University, 2003 to present.
Director, Eastman Kodak Center for Excellence in Communication, 2005 to present.
Dean of the School of Liberal Arts, Clarkson University, 1994-2003.
Chair of the Department of Humanities and Social Sciences, Clarkson University, 1994-2005.
Special Assistant to the President for Strategic Planning, Clarkson University, 1991-94.
American Council on Education Fellow, University of Central Florida, 1990-91.
Associate Dean of the Faculty of Liberal Studies, Clarkson University, 1982-90.
Associate Professor of Humanities, Clarkson University, 1981 to present.
Assistant Professor of Humanities, Clarkson University, 1975-81.
Visiting Research Assistant Professor, College of Engineering, University of Tennessee at Knoxville, Summer 1976 and Summer 1977.
Assistant Professor of Philosophy, University of Tennessee at Knoxville, 1974-75.
Instructor of Philosophy, University of Tennessee at Knoxville, 1969-74

ADMINISTRATIVE EXPERIENCE

Associate Dean, School of Arts and Sciences, Clarkson University, 2003 to present.

The School of Liberal Arts and the School of Science were merged to form the new School of Arts and Sciences effective July 1, 2003. As Associate Dean, I assist the Dean in administering the school and establishing a shared culture and sense of community. My responsibilities include chairing the Arts and Sciences Academic Affairs Committee, directing the School's assessment of student learning, and overseeing undergraduate academic affairs in the School. Liberal Arts was the minority partner in the merger, and to ease the transition I continued to chair the Department of Humanities and Social Sciences during the first two years. I represent Arts and Sciences on the Academic Associate Deans Council, which facilitates the implementation of University academic policy.

Director, Eastman Kodak Center for Excellence in Communication, 2005 to present.

The Eastman Kodak Center for Excellence in Communication houses the Clarkson University Writing Center, the English as a Second Language Program, and Instructional Media staff, particularly in the digital and streaming video areas. The physical Center is Clarkson's top-end digital media instructional and content creation facility.

Dean, School of Liberal Arts, Clarkson University, 1994-2003.

I administered the School of Liberal Arts' academic, fiscal, and personnel affairs; represented Liberal Arts to Clarkson's Board of Trustees and external constituencies; and provided leadership in Liberal Arts' development activities, chief of which was the design, funding, and construction of Bertrand H. Snell Hall, the new home for the School of Liberal Arts and School of Business. During the first half of this period, Clarkson operated without Provost or Academic Vice-President, and I participated in the formulation of University policy, strategy, and financial plans as a member of the Academic Deans Council and President's Cabinet. Liberal Arts consisted of the Department of Humanities and Social Sciences, Department of Technical Communication (now Communication and Media), the Eastman Kodak Center for Excellence in Communication, and the English as a Second Language Program. By convention the Dean chaired one of the departments.

Chair, Department of Humanities and Social Sciences, Clarkson University, 1994-2005.

I administered an interdisciplinary humanities and social sciences department, including curriculum development, personnel evaluation and supervision, tenure and promotion review, budget management, and student academic affairs. During this period the department developed and implemented a new program of Minors, and it also revitalized its Majors program by substantially revising its existing degree programs and developing and implementing a new interdisciplinary degree program.

Special Assistant to the President for Long-Range Planning, Clarkson University, 1991-94.

I planned, implemented, and directed Clarkson's strategic planning process. The planning effort begun in 1991 was the University's first experience with broad-based participatory strategic planning, and it produced a new mission statement and strategic focus for Clarkson. The resultant "Vision of a Clarkson Education" still shapes the University's strategic direction.

American Council on Education Fellow, University of Central Florida, 1990-91.

While participating in this competitive national leadership development program, I combined a year at a host institution with travel to other institutions and seminars under the direction of the American Council on Education.

At the University of Central Florida I was mentored by the President and Provost and participated in their President's Advisory Staff and Provost's Deans Council.

I also was involved in two major projects: I co-chaired a strategic planning effort that developed UCF's new mission statement and strategic objectives, and I was

Institutional Coordinator for UCF's participation in the FIPSE-funded College Student-Athlete Project, a multi-university effort to improve the academic and student life experiences of Division I student-athletes.

Associate Dean, Faculty of Liberal Studies, Clarkson University, 1982-90.

I assisted the Dean in administering the Faculty of Liberal Studies and implementing University academic policy as a member of the Academic Associate Deans Council. My responsibilities included faculty evaluation, tenure and promotion review, course scheduling and staffing, and student academic affairs.

COMMITTEES CHAIRED AT CLARKSON

I have chaired the following committees: Clarkson Common Experience Committee (2008 to present), Middle States Accreditation Self-Study Committee & Clarkson's Middle States Accreditation Liaison Officer (2006 to present), Administrative Council (the upper house in Clarkson's bicameral governance structure, 2005 to present), Clarkson Integrated Outcomes Assessment Committee (2005-07), Search Committee for the Associate Vice President for Institutional Diversity Initiatives & Pipeline Programs (2003-04), Freshman Year Committee (1998-2000), University Writing-Across-the-Curriculum Committee (1994-99), Clarkson Community Task Force for the Middle States Accreditation Self-Study (1996-98), University *ad hoc* Committee to Redesign Undergraduate Academic Processes and Regulations (1995-97), University *ad hoc* Retention Committee (1994-96), University Strategic Planning Committee (1991-94), Liberal Studies Tenure and Promotion Committee (1982-90 and 1991-94), Liberal Studies Curriculum Committee (1980-82 and 1991-94), Academic Associate Deans Council (1988-90 and 2003 to present), University Enrollment Study Group (1988-90), Liberal Studies *ad hoc* Committee on Criteria for Promotion to Full Professor (1988-89), University Academic Standards Committee (1987-89), Liberal Studies Middle States Self-Study Committee (1986-87), University Honorary Degree Committee (1985-88), University Committee on Improving Teaching Effectiveness (1986-87), University *ad hoc* Regulation Review Committee (1985-86), Clarkson United Way Campaign Committee (1984-86), University Curriculum and Academic Policy Committee (1978-79 and 1982-83), and University Faculty Resource and Allocation Priorities Committee (1979-80).

COMMITTEE MEMBERSHIP AT CLARKSON

University Committee Memberships:

Clarkson Common Experience Committee (2008 to present), Middle States Accreditation Self-Study Committee (2006 to present), Executive Committee of the Faculty Senate (2005 to present), Clarkson Integrated Outcomes Assessment Committee (2005 to present), First-Year Advising Council (2001 to present), Academic Technology Advisory Committee (2000 to present), Administrative Council (1994 to present), Multicultural Affairs Committee (2003-05), Search Committee

for the Associate Vice President for Institutional Diversity Initiatives & Pipeline Programs (2003-04), On-Line Registration Implementation Task Force (2002-04), Steering Committee for the Middle States Periodic Review Report (2002-2003), PeopleSoft Implementation Advisory Group (2001-04), *ad hoc* Regulations Revision Committee (1999-2002), Leadership Committee for the *Campaign for Clarkson* (1998-2001), Freshman Year Committee (1997-2000), Writing-Across-the-Curriculum Committee (1994-99), Resources for Learning and Research Task Force, Learning and Its Outcomes Task Force, and Clarkson Community Task Force – all part of the University’s Middle States Accreditation Self-Study (1996-98), *ad hoc* Committee to Redesign Undergraduate Academic Processes and Regulations (1995-98), *ad hoc* Retention Committee (1995-97), Resource Allocation and Strategic Alliance Implementation Team (1994-96), Strategic Planning Committee (1991-96), Minority Student Advisory Committee (1989-90 and 1991-92), United Way Campaign Central Committee (1984-90), Dean of Admissions Search Committee (1989-90), Registrar Search Committee (1989-90), Enrollment Study Group (1988-90), Committee on Student Orientation (1984-90), Committee on Handicapping Conditions (1987-1989), Academic Standards Committee (1986-1989), Honorary Degree Committee (1984-1988), Committee on Improving Teaching Effectiveness (1985-1987), *ad hoc* Regulation Review Committee (1985-86), Dean of Science Search Committee (1984-1985), Faculty Senate At-Large Representative (1981-84), Campus Life Committee of the Board of Trustees (1981-83), *ad hoc* Committee on Faculty Evaluation (1981-83), Curriculum and Academic Policy Committee (1977-79 and 1980-83), Faculty Resource and Allocation Priorities Committee (1977-80), *ad hoc* Committee on the Future of Liberal Education at Clarkson (1977-78), Self-Study Committee for Middle States Accreditation (1976-77).

School and Department Committee Memberships:

Promotion and Tenure Committee (1981-90 and 1991-94), Curriculum Committee (1980-90 and 1991-94), Writing-Across-the-Curriculum-Committee (1991-93), Policy Committee (1989-90 and 1991-93), *ad hoc* Committee on Criteria for Promotion to Full Professor (1988-89), Middle States Self-Study Committee (1986-87 and 1976-77).

Other Committee Service:

Advisory Board for The Clarkson School, a “bridging year,” secondary school program affiliated with Clarkson University (1982-90), Associated Colleges of the St. Lawrence Valley’s World Hunger Committee (1986-89), Associated Colleges of the St. Lawrence Valley’s Earth Stewardship Committee (1983-1988), Co-Chair of the 2nd Social Impact Study Symposium (1980), Local Arrangements Chair for the New York College English Association Conference (1977).

RELATED ADMINISTRATIVE EXPERIENCE

Elected member of the Board of Education for the Potsdam Central School District, 1984-90.
President of the Board, 1988-90. Chair of the Program and Policy Committee, 1985-87,
Head of the contract negotiation team, 1988 (non-teaching staff) and 1990 (teachers).

SELECTED PUBLICATIONS

- “Toward the ‘Integrated Liberal Arts:’ Reconceptualizing the Role of the Liberal Arts in Engineering Education,” *Humanities and Technology Review* (Vol. 23, Fall 2004), 1-18.
- “Meeting ABET Criterion 4: From Specific Examples to General Guidelines,” with Heinz Luegenbiehl and Kay Neeley, *2004 ASEE Annual Conference Proceedings*, June 2004.
- “Best Practices for Integrated Curriculum Design and Administration: Objectives and Exemplars,” with Amy Slaton and Kay Neeley, in *Liberal Studies and the Integrated Engineering Education of ABET 2000*, Report from the National Science Foundation Funded Planning Conference at the University of Virginia April 4-6, 2002 (Charlottesville: The University of Virginia, School of Engineering and Applied Science, 2003), pp. 65-130. Also available on-line at <http://www.tcc.virginia.edu/ec2000>
- “Moving Forward by Standing Still: ‘Disciplinarity’ as a Necessary Preliminary to ‘Interdisciplinarity’,” *HTA Review* (Vol. 15, Fall 1996), 22-31
- “Clarkson’s Professional Ethics Course,” *Proceedings of the 1989 Annual Meeting, St. Lawrence Section, American Society for Engineering Education*, (Binghamton: State University of New York at Binghamton, The Thomas J. Watson School of Engineering, Applied Science and Technology, 1989), Section 14C1, 22-31.
- “A Behavioral Model of Ethical and Unethical Decision Making,” with Michael Bommer, Clarence Gratto, and Mark Tuttle, *Journal of Business Ethics*, (Vol. 6, 1987), 265-280.
- “Beyond ‘Drill and Practice’ Programs,” *Collegiate Microcomputer*, (Vol. III, No. 4, November 1985), 317-332.
- “The Missing Links: Restructuring Hazardous Waste Controls in America,” with Bruce Piasecki, *Technology Review*, (Vol. 88, No. 7, October 1985), 42-52. Reprinted in Theodore D. Goldfarb, ed., *Taking Sides: Clashing Views on Controversial Environmental Issues*, Second Edition, (Guilford: Dushkin, 1986).
- “When in Rome, Do as Who?” *The Liberal Studies Educator*, (Vol. 5, 1983), 17-23.
- Advanced Automation for Space Missions*, National Aeronautics and Space Administration Report CP-2255, contributing author (Washington: Government Printing Office, 1982).
- “Engineers as Experimenters on Society,” *The Liberal Studies Educator*, (Vol. 4, 1982), 11-18.
- “In Defense of Technology Assessment,” *Journal for the Humanities and Technology*, (Vol. III, No. 1, 1981), 26-34.
- “The Origin and Implications of Engineers’ Obligations to the Public Welfare,” *PSA 1980*, Volume 2 (East Lansing: The Philosophy of Science Association, 1981), 443-455.
- “Have License, Might Be a Professional,” with Lawrence J. Hollander, *The Proceedings of the 1980 ASEE Conference*, (Washington: The American Society for Engineering Education, 1980), 391-393.

- “A Relevance-Tree Analysis of the Role of Interdisciplinary Research in Higher Education,” *The Proceedings of the 12th Southeastern Symposium on System Theory*, (New York: The Institute of Electrical and Electronics Engineers, Inc., 1980), 354-360.
- Avionics: Projections for Civil Aviation 1995-2000*, National Aeronautics and Space Administration Report CR-159035, co-editor and contributing author (Washington: Government Printing Office, 1979).
- “Humanities Education: The Foundation of Sound Practice in the Professions,” in Terrell Ward Bynum, ed., *The Humanities in Education and Society*, (Poughkeepsie: Dutchess Community College of the State University of New York, 1979), 5-7.
- “L. S. M. F. T. (Liberal Studies Means Finer Technology),” *Journal for the Humanities and Technology*, (Vol. I, No. 1, 1979), 20-29.
- “National Project on Philosophy and Engineering Ethics: A Progress Report,” with Lawrence J. Hollander, *The Bent of Tau Beta Pi*, (Vol. LXIX, No. 4, Fall 1978), 12-14.
- “Mead’s Logic of Discovery,” in Michael P. Jones, et. al., eds., *The Individual and Society*, (Norman: The Southwestern Journal of Philosophy Press, 1978), 187-207.
- “Giving Technology a Human Face,” *The Northern Light Magazine*, (May 5, 1978), 16.
- “The Humanities Are for Engineers, Too,” *The Humanities Journal*, (Vol. XI, No. 2, July 1977), 8-9.
- “The Clinch River Breeder Reactor Plant: Technology-Society Interaction Assessment as an Alternative to Technology Assessment,” with E. E. Stansbury, *Journal of the International Society for Technology Assessment*, (Vol. 2, No. 4, Winter 1976-77), 55-57.
- “Interdisciplinary Courses: Impact, Structure, and Funding,” *Engineering Education*, (Vol. 66, No. 5, January 1976), 314-318.
- A Technology-Society Interaction Assessment of the Clinch River Breeder Reactor Plant*, Clinch River Breeder Reactor Project Report 75-I-1, with Dan Nimmo and E. E. Stansbury, (Knoxville: The University of Tennessee, College of Engineering, 1975).
- “Philosophy and Planning,” *Humanities in the South*, (No. 42, Fall 1975), 13.
- Knoxville – How It Works*, with Glenn C. Graber and F. A. Hilenski, a script for a television documentary on the operation of the Knoxville-Knox County Planning Commission, aired on the ABC affiliate in Knoxville during August 1975.

GRANTS

- Co-Principal Investigator, “Potsdam Solid Waste Recycling Demonstration Project,” funded by the New York State Energy Research and Development Authority, 1988-1990.
- Director, “Computerized Study-Guides for the Great Ideas Courses,” project funded from a grant to Clarkson by the Exxon Educational Foundation, 1985.
- Director, “Great Ideas in Western Culture Faculty Development Project,” project funded from a grant to Clarkson by the Mellon Foundation, 1982.
- Participant, “Engineers and Conflict,” a National Endowment for the Humanities Summer Seminar, 1981.
- Fellow, “Technology Feasibility Study: The Future of Machine Intelligence in Space Operations,” a National Aeronautics and Space Administration Summer Design Project, 1980.

- Fellow, "The Impact of Avionics Development on the Future Civil Aircraft," a National Aeronautics and Space Administration Summer Design Project, 1979.
- Participant, "National Project on Philosophy and Engineering Ethics," funded by the National Endowment for the Humanities, 1978-1980.
- Staff, "Values, Science, and Technology," an Associated Colleges of the St. Lawrence Valley curriculum development project, funded by the National Endowment for the Humanities, 1977-1979.
- Participant, "The History of American Philosophy," a Council for Philosophical Studies' Summer Institute, 1976.
- Staff, "A Technology-Society Interaction Assessment of the Clinch River Breeder Reactor Plant," funded by the United States Energy Research and Development Administration, 1975-1977.
- Staff, "Knoxville and the Future," funded by the Tennessee Commission for the Humanities, 1975.

SELECTED PROFESSIONAL PRESENTATIONS

- "Meeting ABET Criterion 4: From Specific Examples to General Guidelines," with Heinz Luegenbiehl and Kay Neeley, paper at the Annual American Society for Engineering Education Conference, June 2004.
- "Integrative Models of Engineering Education," with Heinz Luegenbiehl and Kay Neeley, paper at the Annual Humanities and Technology Association Conference, October 2003.
- "Best Practices for Integrating Liberal Learning in Engineering Education," with Heinz Luegenbiehl and Kay Neeley, paper at the Annual American Society for Engineering Education Conference, June 2003.
- "Liberal Education Division White Paper on Liberal Education for Engineers," with N. Steneck, B. Olds, *et. al.*, paper at the Annual American Society for Engineering Education Conference, June 2001.
- "The Impact of ABET 2000 on Humanities and Social Sciences Programs for Engineering Students: A Taxonomy of Possible Changes," paper at the Annual American Society for Engineering Education Conference, June 2000.
- "The Devil Is In the Details Only If You Have a General Idea: Rethinking the Role of the Liberal Arts in Engineering Education," paper at the Annual American Society for Engineering Education Conference, June 1999.
- "Reinventing the Interface: The Opportunities and Challenges of ABET 2000," invited Plenary Speaker at the Humanities and Technology Association Conference, October 1998.
- "Criteria for Identifying 'Integrated Liberal Arts'," paper at the Annual American Society for Engineering Education Conference, June 1998.
- "What Industry Wants: Implications for Teaching Communication Skills to Undergraduate Engineering Students," paper at the Annual American Society for Engineering Education Conference, June 1994.
- "The Role of the Humanities in the Metropolitan University," paper the Humanities and Technology Association Conference, October 1992.
- "Potsdam's Demonstration Recycling Project," paper at the Humanities and Technology Association Conference, October 1989.

- “Clarkson’s Professional Ethics Course,” paper at the 1989 Annual Conference of the St. Lawrence Section of the American Society for Engineering Education, October 1989.
- “Engineering as the Profession of Uncertainty,” paper at the Humanities and Technology Association Conference, October 1988.
- “Professional Ethics and Technology Literacy: An Interfacing,” paper at The Third National Science, Technology, Society Conference, February 1988.
- “The Happy Panderer: How to Relate Philosophy to Society and Retain Your Philosophical Integrity,” invited presentation at the Technological Literacy in the Liberal Arts Conference, February 1987. A revised version was given as a paper at the Humanities and Technology Association Conference, October 1987.
- “On ‘Feminizing’ Technology,” paper at the Humanities and Technology Association Conference, October 1986.
- “Technology Assessment and Women,” invited lecture at the University of Connecticut, April 1986. (Broadcast on Connecticut Public Radio.)
- “Improving the Case Study Method in Engineering Ethics,” paper the Humanities and Technology Association Conference, October 1985.
- “Computer Literate Liberal Studies at Clarkson,” paper at the Microcomputers and the Learning Process Conference, October 1985.
- “The Earth Stewardship Program,” presentation at the North Country Workshop on Science, Technology and the Undergraduate Curriculum, November 1984.
- “Microcomputers in Humanities Courses: The Clarkson Experience,” paper at the Humanities and Technology Association Conference, October 1984.
- “A Microcomputer for Every Student,” paper at the 1984 Annual Conference of the St. Lawrence Section of the American Society for Engineering Education, October 1984.
- “Clarkson’s Pre-Writing Programs,” paper at the Microcomputers and the Learning Process Conference, October 1984.
- “Integrating Computers into Liberal Studies Courses,” paper at the Annual American Society for Engineering Education Conference, June 1984.
- “Beyond ‘Drill and Practice’ Computer Programs,” paper at the Annual Meeting of the Delaware Valley Writing Conference, February 1984.
- “The Needs of Engineering Education,” invited paper at the Presidents’ Program of the WATTEC ’84 Conference (the audience was made up of the national presidents of 30 engineering professional societies), February 1984.
- “Which Response to the Computer – Literacy or Liberation?” paper at the Humanities and Technology Association Conference, October 1983.
- “Computers and the Liberal Arts,” invited presentation at the Thinking Computers Conference, April 1983.
- “When in Rome...?” paper at the Conference on Doing Business in a Cross-Cultural Context, March 1983.
- “ELIZA, V-ger, and the Fourth Discontinuity,” paper at the Humanities and Technology Association Conference, October 1982.
- “Technology: Bad, Good, Neutral, or Necessary?” paper at the Humanities and Technology Association Conference, October 1981.
- “Quantifying the Qualitative,” paper at the 2nd Social Impact Study Symposium, November 1980.

- “The Origins and Implications of Engineers’ Obligations to the Public Welfare,” paper at the biennial Philosophy of Science Association Meeting, October 1980.
- “Is There Any Alternative to Technology Assessment?” paper at the Humanities and Technology Association Conference, October 1980.
- “Have License, Might Be a Professional,” with Lawrence J. Hollander, paper at the Annual American Society for Engineering Education Conference, June 1980.
- “A Relevance-Tree Analysis of the Role of Interdisciplinary Research in Higher Education,” paper at the 12th Southeastern Symposium on System Theory, May 1980.
- “The Basis of the Engineer’s Social Responsibility,” paper at the American Society of Mechanical Engineers Annual Winter Meeting, December 1979.
- “Are Engineers Obligated to Sacrifice Their Jobs to the Public Welfare?” paper at the Humanities and Technology Association Conference, October 1979.
- “Technology Assessment as a Strategy for Evaluating the Impact of Technology,” seminar for the Systems Design Program, Langley Research Center of the National Aeronautics and Space Administration, July 1979.
- “Decisions about Nuclear Power: Based on Facts or Values?” invited presentation at a public forum on the question, “Has Three-Mile Island Changed Your Mind about Nuclear Power?” sponsored by the Associated Colleges of the St. Lawrence Valley, May 1979.
- “Some Foundational Problems of Technology Assessment,” paper at the 1st Social Impact Study Symposium, February 1979.
- “L. S. M. F. T.* (*Liberal Studies Means Finer Technology),” paper at the Humanities and Technology Association Conference, October 1978.
- “The Engineer’s Social and Ethical Responsibilities for the Development and Use of Technology,” invited presentation at the Institute on Philosophical Ethics for Engineers, July 1978.
- “Technoethics and Technology Assessment: Theory and Practice at the Human Values Interface with Technology,” paper at the Annual Southern Society for Philosophy and Psychology Meeting, April 1978.
- “Humanities Education: The Foundation of Sound Practice in the Professions,” paper at the Humanities in the World of Work Symposium, April 1978.
- “Science and Religion: Two Sides of the Same Coin,” and “Sir Isaac Newton: The Man and His Scientific Achievement,” invited public lectures at Mars Hill College, March 1978.
- “Technology Assessment as a Necessary Component for Technical Communications Programs,” paper at the Annual Modern Language Association Convention, December 1977.
- “Ethics and Science,” invited public lecture at St. Lawrence University, November 1977.
- “Humanities and the Preparation of Engineers for a Public Technology,” paper at the Humanities and Technology Association Conference, October 1977.
- “Humanizing the Technologists,” invited paper at the Division V Conference, National Association for Humanities Education, March 1977.
- “The Humanities in Engineering Education,” paper at the National Association for Humanities Education Biennial Convention, October 1976.
- “A Technology-Society Interaction Assessment Methodology,” with E. E. Stansbury, paper at the Conference on Technology Assessment of Energy Alternatives, May 1976.

- “Scientists and Politicians: 1800-1940” and “Technical Experts as Inside Advisers,” invited public lectures at the University of Tennessee at Knoxville, April 1976.
- “Humanistic Research and Metropolitan Planning,” paper at the Division V Conference, National Association for Humanities Education, March 1976.
- “Universities, Business and the Environment,” invited presentation at the Greater Bristol [Virginia] Environmental Seminar, October 1975.
- “Liberal Arts Education as Contributor to the Technological Crisis,” paper at the 8th Conference on Value Inquiry, April 1974.
- “Recipe for Catastrophe: Democracy and Experts,” Annual Society of Sigma Xi Lecture, University of Tennessee at Knoxville, May 1973.
- “A Proper Limit of Science,” paper at the Annual Southern Society for Philosophy and Psychology Meeting, April 1973.
- “Can We Design the Future?” paper at the Annual Southern Sociological Society Meeting, March 1973.
- “On Designing the Future,” invited paper at the East Tennessee Symposium on the Society of High Technology, November 1972.

HONORS AND AWARDS

- Induction into Phalanx, Clarkson University’s highest honorary society, 2009.
- Clarkson University Commendable Leadership Award, 2009.
- Clarkson University Commendable Service Award, 2008.
- Sterling Olmsted Award for “innovative contributions to the liberal arts within engineering education,” Liberal Education Division of the American Society for Engineering Education, 1996.
- Centennial Certificate for “exceptional contribution to the American Society for Engineering Education,” American Society for Engineering Education, 1993.
- American Council on Education Fellowship, 1990-91.
- Commendation Award, St. Lawrence Section, American Society for Engineering Education, 1990.
- United Way Gold Award, 1985.
- NDEA Fellowship, The University of Texas at Austin, 1966-69.
- B.A. with Highest Honors, University of Tennessee at Knoxville, 1966.
- Jesse A. Bunn Scholarship, Illinois Institute of Technology, 1960-64.

COURSE AND CURRICULUM DEVELOPMENT

Courses Taught

Introduction to Philosophy	American Philosophy
Logic (Deductive & Inductive)	History of Modern Science
Analytical Reasoning	Philosophy of Natural Science
Contemporary Moral Issues	Philosophy of Social Science
Engineering Ethics	Human Values and Technology
Professional Ethics	Energy and Society
Science, Technology, and the Modern World	Earth Stewardship
Perspectives on Technology Assessment	Great Ideas in Western Culture
Business Ethics	History of Western Philosophy

Interdisciplinary Course Development at Clarkson

Earth Stewardship Program: This was an interdisciplinary, cross-institution program in the Science, Technology, Society, and Human Values area which was directed by a committee of representatives from the member schools of the Associated Colleges of the St. Lawrence Valley. I was a member of the group that founded the program, served on the committee, and was Coordinator and a member of the teaching team for the program's core course. Begun in 1983, the program succumbed to budgetary pressures in 1988.

Areté: This is a distinctive interdisciplinary program at Clarkson that was developed with grant support from the Fund for the Improvement of Post-Secondary Education, and is administratively housed in Liberal Arts. Students receive their degrees with majors in both a Liberal Arts degree program and a Business degree program. At the heart of the program is a set of specially designed interdisciplinary courses. I have developed courses for this program, including "Business in an International Context," a team project-based exploration of issues and problems associated with a US based company doing business in another country, and "Informal Business Practices," a seminar that not only explored the ritualistic and symbolic dimensions of many practices in business culture, but also gave students hands-on experience with some of these.

Honors Program: Clarkson's Honors Program focuses on current or emerging problems in science, technology, and engineering. A problem is set for each class of students during the sophomore year in an interdisciplinary project-based course that has a teaching team drawn from the business, liberal arts, science, and engineering areas. I have participated in the teaching teams for courses on the following topics: the feasibility of implementing alternative energy production technologies on campus; the expansion of Clarkson's technical outreach activities and regional partnerships; the feasibility of GM's claim that it would have commercially available hydrogen fuel cell vehicles by 2010; and the feasibility of the target that President Bush has set for biofuel production by 2012.

PROFESSIONAL ACTIVITIES

The Humanities and Technology Association: Secretary-Treasurer, 2002 to present; President, 1999-2002; Vice-President, 1996-99; Executive Committee, 1987-90; President, 1984-87; State Representative, 1982-84.

American Society for Engineering Education: Liberal Education Division – Division Officer Progression: Immediate Past Division Chair (2007-08), Division Chair (2006-07), Division Chair Elect (2005-06), Program Chair (2004-05); and Program Chair Elect (2003-04). General and Executive Committee of the St. Lawrence Section, 1985-1990 and 1991-2001; Editor of the *Liberal Studies Educator*, 1978-91; Executive Committee of the Liberal Education Division, 1979-91; Chair of the By-Laws Revision Committee of the Liberal Education Division, 1986-88 and 1999-2001; Secretary of the St. Lawrence Section, 1985-90; Program Co-Chair for the St. Lawrence Section, 1989-90; and Chair of the 1996 St. Lawrence Section Meeting, 1995-96.

Chair, Committee on Humanities and the Professions, National Association for Humanities Education, 1976-81.

Reviewer for the National Science Foundation and National Endowment for the Humanities; referee for *Technology and Culture*; reader for Wadsworth Publishing Company.

Ethics-across-the-Curriculum Workshop, Center for the Study of Ethics in the Professions, Illinois Institute of Technology, Summer 2002.

22nd Annual Law and Higher Education Conference, sponsored by the Stetson University College of Law, February 2001. 24th Annual Conference, February 2003.

Workshop on Benchmarking in Colleges and Universities, sponsored by the American Association for Higher Education, October 1995.

Seminar on the Improvement of Instruction, St. Lawrence University, May 1986.

National Science Foundation Chautauqua Short-Course on “Women, Science, and Technology,” February 1986.

Workshop on Chairing the Academic Department, sponsored by the American Council on Education, March 1985.

Workshop on Determining Faculty Effectiveness, sponsored by the American Association for Higher Education, March 1985.

Workshop on Interactive Teaching, at St. Lawrence University, December 1984.

Institute on Writing and Higher Order Reasoning, sponsored by the University of Chicago, May 1983.

National Science Foundation Workshop on “The User’s Guide to Public Systems Methodology,” at the University of Virginia, July 1980.

Computer science courses (18 hours) at Clarkson University, 1979-81.

National Science Foundation Chautauqua Short-Course on “Computer-Based Information Resources,” October 1977 to February 1978.

Clarkson’s representative to the Texaco Faculty Forum, December 1977.

Workshop on Individualized Instruction, sponsored by the Southern Regional Education Board, March 1975.

Southern Regional Workshop on Technology Assessment, sponsored by the National Science Foundation, October 1974.

COMMUNITY SERVICE

Board of Education, Potsdam Central School District, 1984-90: Chair of the Program and Policy Committee, 1985-87; President, 1988-90; Head of the contract negotiation team, 1988 (non-teaching staff) and 1990 (teachers). Elementary Principal Search Committee, 1994.

First Presbyterian Church of Potsdam: Christian Education Committee, 1977-80; Committee Chair, 1979-80. Deacon, 1978-83; Moderator of the Deacons, 1983. Ruling Elder, 1984-89 and 2000-2004; Clerk of Session (Lay Moderator), 1987-89. Stewardship Committee, 1993-96. Worship and Music Committee, 2000-2002; Committee Chair, 2000-2002. Chair of the Interim Pastor Search Committee, 2001. Personnel Committee, 1996-2000 and 2001-04; Personnel Committee Chair, 2000-04.

Potsdam Figure Skating Club: Board of Directors, 1981-84; Vice-President, 1982-83; President, 1983-84. Chair of the Basic Skills Program, 1984-88. Chair of the Constitution Revision Committee, 1988-89 and 1999-2000. Judge for the Basic Skills Test Program, 1991 to present.