

Curriculum Vitae: Michael O'Brien

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Page one

Education:

- Master of Architecture Virginia Polytechnic Institute and State University, 1982
- Bachelor of Architecture North Dakota State University, 1976
- Bachelor of Arts North Dakota State University, 1975

Professional Certification: • Registered Architect: North Dakota 1981 to present, Virginia 2005 to present.
• National Council of Architectural Registration Boards Certificate: 1981.

Academic Appointments: **Texas A&M University**

- Professor Department of Architecture Aug. 2008 to Present
- Professor & Associate Department Head Aug. 2008 to May 2009
- Virginia Polytechnic Institute and State University, Department of Building Construction**
- Adjunct Professor of Construction Aug. 2008 to Dec. 2008
- Adjunct Faculty, Charles Edward Via Department of Civil and Environmental Engineering: Aug. 2006 to Aug. 2008
- William E. Jamerson Professor of Construction Aug. 2005 to Aug. 2008
- Housing Research Center at Virginia Tech
- Associate Director for Technology Research June 2005 to to Aug. 2008

Virginia Polytechnic Institute and State University, Department of Architecture

- Professor June 2002 to Aug. 2005
- Associate Professor, May 1993 to May 2002
- Assistant Professor, Aug. 1987 - May 1993.

North Dakota State University, Department of Architecture

- Studio Critic 1985.
- Assistant Professor 1979 - 1980.
- Instructor 1976 - 1977.

Administrative Appointments:

- Associate Department Head, Department of Architecture Texas A&M Univ. 2008 to 2009.
- Virginia Center for Housing Research, Associate Director for Technology Research, 2005 to present
- Virginia Polytechnic Institute and State University, Department of Architecture: Chair, Graduate Programs in Architecture, Aug. 1994 - Aug. 1998.

Professional Positions:

- Principal, Twichell, Thompsen, Martens, O'Brien Architects P.C. Fargo, N.D. 1982 -1987.
- Project Architect, Seth W. Twichell & Associates Architects and Planners P.C. Fargo, N.D. 1981.
- Associate, Mutchler and Lynch Associates Architects and Planners P.C. Fargo, N.D. 1979.
- Job Captain, Mutchler and Lynch Associates Architects and Planners P.C. Fargo, N.D. 1977-1978.

Research and Teaching Interests:

- Historical Development of Light Wood Framing and Associated Systems
- Information Integration as Enabling Technology for Systems Integration
- Affordable Housing Design and Construction
- Progressive-Era Town Design and Planning
- Organic and Inorganic Structures in Physical Planning and Urban Design
- Organic and Inorganic Structures in Ornament and Architectural Space

Honors and Awards:

National Awards:

- 2003 NCARB Prize for Creative Integration of Practice in the Academy. Award from the National Council of Architecture Registration Boards for "The Art of Integration/The Science of Building." Project leaders, Robert Schubert, Robert Dunay, Michael Ellis.
- Honorable mention for "Raymond Unwin, John Nolen and the Garden City Design Principles" awarded by the Architectural Research Center Consortium in the Conference Paper Competition at the ARCC 2003 Annual Meeting in Phoenix, Arizona.
- Nolen Scholarship award, Rare Book and Manuscript Division, Kroch Memorial Library, Cornell University, 2000.

- National Notable Documents Award, American Library Association: O'Brien, M., with Johnson, B., "Safer Places: A Crime Prevention Through Environmental Design Tutorial" Interactive CD ROM tutorial first printing published by The Virginia Department of Criminal Justice Services. One of two Virginia publications recognized in 1997

University and College Awards

- 2007 Creative Achievement Award, College of Architecture and Urban Studies.
- 2007 Excellence in Teaching Award, College of Architecture and Urban Studies, University Certificate.
- 2006 Wine Award Nominee, College of Architecture and Urban Studies. One of 9 finalists drawn from the 2,706 faculty.
- 2006 Excellence in Outreach Award, College of Architecture and Urban Studies, Virginia Tech Solar House 2006. Project team led by Robert Dunay, Joe Wheeler, Robert Schubert, Michael Ellis.
- 2006 Excellence in Teaching Award, Myers-Lawson School of Construction, Department of Building Construction.
- 2003 XCaliber Team Award. Member of "The Art of Integration/The Science of Building." Project team led by, Robert Schubert, Robert Dunay, Michael Ellis awarded by Virginia Polytechnic Institute and State University
- Distinguished Scholarship Award, College of Architecture and Urban Studies, Virginia Tech. 2000.
- Certificate of teaching excellence, College of Architecture and Urban Studies, Virginia Tech. 1992

American Institute of Architects Component Awards

- Merit award, Unitarian Universalist Fellowship of the New River Valley as an Associated Architect with James Ritter FAIA. Constructed in 1991, honored by the Northern Virginia Chapter of the American Institute of Architects in 1992.
- Merit award, The Upper Nine, Fargo, N.D. Project architect, Twichell, Thompsen, Martens, O'Brien. Constructed in 1985 - 87, honored by the North Dakota Chapter of the American Institute of Architects in 1988.
- Merit award, The Casselton State Bank, Casselton, N.D. Project designer, Mutchler, Twichell, and Lynch. Constructed in 1978, honored by the North Dakota Chapter of the American Institute of Architects and with publication in the American Institute of Architects Journal in 1980.

Funded Research Projects:

Principle Investigator or Co-Principle Investigator

- Co-Principle Investigator with Tom Martin, Electrical and Computer Engineering; Ed Dorsa, Industrial Design; Ron Kemnitzer, Industrial Design, Eloise Coupey, Marketing, "Interdisciplinary Research in Pervasive Computing" Awarded by The Institute for Critical Technology and Applied Science, Virginia Tech, 2007-2008, \$80,000.00.
- Co-Principle Investigator with Tom Martin, Electrical and Computer Engineering; Ed Dorsa, Industrial Design; Ron Kemnitzer, Industrial Design, "Intersections between Pervasive Computing and Construction Safety" Awarded by The Center for Innovation in Construction Safety and Health, Virginia Tech, 2007-2008, \$5,000.00.
- Co-Principle Investigator with Tom Martin, Electrical and Computer Engineering; Ed Dorsa, Industrial Design; Ron Kemnitzer, Industrial Design, Francis Quek, Computer Science; Ivica Ico Bukvic, Music., "Interdisciplinary Study Group" Awarded by The Center for Excellence in Undergraduate Education, Virginia Tech, 2006-2007, \$1,800.00
- O'Brien, M., Bowles, L., "PATH 13 Whole House Calculator" Awarded by the Department of Housing and Urban Development, 2005, Washington, D.C. \$229,350.00.
- Wakefield, R., O'Brien, M., "Designing Whole House Solutions" Awarded by the Department of Housing and Urban Development, 2003, Washington, D.C. \$249,941.00.

- Mills, T., Wakefield, R., O'Brien, M. "Industrializing the Residential Construction Site Phase V, Virtual Manufacturing." Awarded by the Department of Housing and Urban Development, 2003, Washington, D.C. \$207,277.00. Addendum - additional tasks added Sept. 2004 increasing total project to \$449,277.00
 - Wakefield, R., O'Brien, M. with Newport Partners LLC, "Creating Whole House Solutions" Awarded by the National Science Foundation, PATH-9, 2003, Washington, D.C. Subcontract value \$99,741.00.
 - Co-Principal Investigator with Prof. Yvan Beliveau, Prof. Ron Wakefield, Department of Building Construction, Prof. Ted Koebel, Virginia Housing Research Center, Proposal establishing "The Building Technology Research Consortium" (VT, Michigan State, Arizona State) to conduct housing research for the Office of Policy and Research, United States Department of Housing and Urban Development. Awarded as an Indefinite Quantity Contract budgeted at fifty million dollars over three years.
 - Wakefield, R., O'Brien, M., Beliveau, Y., "Industrializing the Residential Construction Site Phase IV Simulation Systems." August 2002 – August 2003. Department of Housing and Urban Development, Washington, D.C. \$175,000.00.
 - Mills, T., Wakefield, R., O'Brien, M., "Residential Construction Information Mechanisms and Procedures" Department of Housing and Urban Development, Washington, D.C. \$172,500.00.
 - Wakefield, R., O'Brien, M., Beliveau, Y., "Industrializing the Residential Construction Site Phase III, Production Systems." August 2001 – August 2002. Department of Housing and Urban Development, Washington, D.C. \$249,909.00.
 - Wakefield, R., O'Brien, M., Beliveau, Y., "Industrializing the Residential Construction Site Phase II, Information Modeling." June 2000 – June 2001. Department of Housing and Urban Development, Washington, D.C. \$249,680.00.
 - O'Brien, M., Wakefield, R., Beliveau, Y., "Industrializing the Residential Construction Site." June 1999 – June 2000. Department of Housing and Urban Development, Washington, D.C. \$199,447.00.
 - Koebel, C. T., O'Brien, M., Beliveau, Y., Easterling, W. S. Dolan, D., "Research Services for Building Regulations and Technology" Indefinite Quantity Contract signed December 1998 extending to December 2003. Funding level minimum \$200,000.00 maximum \$8,000,000.00.
 - O'Brien, M., with Johnson, B., "Safer Places: A Crime Prevention Through Environmental Design Tutorial" August 1995 – August 1996. The Virginia Department of Criminal Justice Services. \$98,204.
 - O'Brien, M., with Gilboy, E., Landes, B., "Family Resource Center Preliminary Planning" October 1994 – February 1995. \$427.00.
 - O'Brien, M., with Gaddis, V., "Diversified Applications of Modular Construction Processes" September 1989 – March 1990. Nationwide Homes, Inc. \$3,583.00.
 - O'Brien, M., with Tenace, S., Wall, M., Kostelecky, S., "New Prototypes for Starter Housing" November 1987 – June 1988. Nationwide Homes, Inc. \$7,500.00.
- Contributions to sponsored programs as consulting investigator:**
- "Review of International Housing Technology Research" Koebel, C. T., Wakefield, R., Beliveau, Y August 2001 - January 2002, Department of Housing and Urban Development, Washington, D.C. \$79,931.00.
 - "Feasibility study for the Center for Advanced Housing Structural Systems" August 1997 - August 1998, Center For Innovative Technology, Arlington, VA \$25,000.00. Principal Investigators Dr. Dan Dolan, Wood Science, Dr. Yvan Beliveau, Building Construction. Authored chapters on housing systems history, information technology for housing, systems integration for housing. Authored education chapter forming housing concentrations in Civil Engineering, Mechanical Engineering, Architecture and cross-disciplinary housing degree program.

- “Integrated Building Design Experience” Funded by the National Science Foundation through project SUCCEED, VT # 98-0879-01 \$65,446.00 Principal Investigator, Dr. Sam Easterling, Civil Engineering, Co-Principal Investigator, Dr. Maurice White, Wood Science & Forest Products. July 1, 1997 to June 30 1998.
- “Web based C.P.T.E.D. tools and training” Virginia Department of Criminal Justice Services, Richmond, Va. July 1997 - July 1998. \$78,000.00. Principal Investigator Diane Zahm, Urban Affairs and Planning.
- “Health Care applications for Crime Prevention through Environmental Design Charrettes” Virginia Department of Criminal Justice Services, Richmond, Va. October 1996 - July 1997. \$88,000.00. Principal Investigator Diane Zahm, Urban Affairs and Planning.
- “Survey of Continuing Education Needs in Housing” Funded by REACH OUT, Virginia Tech Division for Outreach, \$7,500.00. Principal investigator Dr. J.D. Dolan, Wood Science & Forest Products, January 1998 - June 1998. Developed contact list and questions for architects to be surveyed, developed cross - platform database, input forms, report forms for tabulating returns.

Total P.I. co P.I. and contributing \$2,615,236.00

Curatorships, Editorships:

- Co-Curator with Michael Harrison “Wood – An American Tradition” National Building Museum, Washington D.C. September, 2000 through April 2001. This exhibition was budgeted at \$315,000.00, sponsored by the Society of American Foresters and occupied over 7,000 square feet of space in the National Building Museum. The exhibition was open to the public from September, 2000 to April, 2001. Over 40,000 people attended this exhibition placing it as the 4th highest attendance in the history of the National Building Museum. This exhibition was co-curated by Michael Harrison staff curator for the National Building Museum.
- Editor, Proceedings of the Twenty-fifth annual research meeting of the Architectural Research Centers Consortium Inc.

Publications:

- Mills, Thomas, Wakefield, R. O'Brien, M. “Industrializing Residential Construction for Small to Medium Size U.S. Homebuilders.” Chapter 4 in “CRC Construction Innovation: Building Our Future. Brown, Hampson, Brandon, ed. CRC, Brisbane, AUS, 2006. Pp 25-29.
- O'Brien, M., Wakefield, R., Nowak, M., 2005, “A Preliminary Method to Develop a Calculator for Evaluating Physical Design Characteristics and Whole House Performance Scoring.” U.S. Department of Housing and Urban Development, Office of Policy Development and Research, Washington D.C. 42 pages.
- O'Brien, M., Wakefield, R., 2004, “Industrializing the Residential Construction Site Phase Four, Simulation Systems” U.S. Department of Housing and Urban Development, Office of Policy Development and Research, Washington D.C. 64 pages.
- O'Brien, M., Wakefield, R., Beliveau, Y. 2002, “Industrializing the Residential Construction Site Phase Three, Production Systems” U.S. Department of Housing and Urban Development, Office of Policy Development and Research, Washington D.C. 69 pages.
- Wakefield, R., M. O'Brien, Y. Beliveau, 2001, “Industrializing the Residential Construction Site Phase Two: Information Modeling” U.S. Department of Housing and Urban Development, Office of Policy Development and Research, Washington D.C. 77 pages.
- O'Brien, M., Wakefield, R., Beliveau, Y., 2000, “Industrializing the Residential Construction Site” U.S. Department of Housing and Urban Development, Office of Policy Development and Research, Washington D.C. 87 pages.

Papers in Refereed Proceedings:

- O'Brien, M. "Aesthetic and Production Theories as Enablers of Prefabricated Housing," a peer reviewed paper, presented at the 2008 ACSA Northeast Fall Conference, on September 25-27, 2008 at the University of Massachusetts Amherst. Published in CD-ROM based proceedings.
- O'Brien, M., Ron Wakefield, "Considering the Whole. Developing a Whole-House Calculator" Published in CD-ROM proceedings of the Architectural Research Centers Consortium Spring Research Meeting "Green Challenges in Research, Practice and Design Education" University of Oregon, Eugene, 2007, pages 1-8 under "OBrien, M." link.
- O'Brien, M., Wakefield, R., 2003, "A Preliminary Method for Evaluating Physical Design Characteristics and Whole House Performance Scoring", presented to the National Science Foundation at the Housing Research Agenda Workshop, February, 2004. Volume II pp. 290 - 298. Published at <http://www.pathnet.org/sp.asp?id=12201>.
- O'Brien, M., Martin, C., "Building the 'whole house'greater than the sum of its parts: The whole house and systems integration focus area summary" Proceedings of the National Science Foundation Housing Research Agenda Workshop, February, 2004. Volume I pp. 77 - 88. Published at <http://www.pathnet.org/sp.asp?id=12201>.
- O'Brien, M., Raymond Unwin, John Nolen and the American Garden City Principles. Presented to the inaugural research symposium of the College of Architecture and Urban Studies. To be published in the proceedings, publication date not announced.
- O'Brien, M., "Raymond Unwin, John Nolen and the Garden City Principles" Published in the proceedings of the annual Spring Research Conference of the Architectural Research Centers Consortium "Stimulating Research" April 2003, Arizona State University. PDF index "O'Brien" pp. 1-13.
- Gebken, R, Wakefield, R and M. O'Brien, "Process and Information Mapping in the Construction Industry: A Residential Case Study" Presented to the XXX IAHS World Congress on Housing, University of Coimbra, Portugal, September 9-13, 2002. Published in Proceedings V.3, pp 1193 – 1201.
- Wakefield, R. and M. O'Brien, "Information and Systems Integration for Residential Construction" presented at the 1st. International Conference on Innovation in Architecture, Engineering and Construction (AEC) Loughborough University, UK, July 18-20 2001(proceedings in press).
- O'Brien, M "The Five Ages of Wood" presented to the Society for Wood Science and Technology at the SWST Annual Meeting, Lake Tahoe, NV, June, 2000. Published in the Proceedings pp. 1 – 6.
- O'Brien, M "A Brief History of Systems Additions and Material Innovations in the Light Frame House" Presented to the International Science and Technology Meeting of the ACSA, CIB, ARCC, SBSE, Montreal, Canada, 1999, Proceedings p. 235 - 240.
- Weiner F. and M. O'Brien, "Sweet Tectonic" presented at the Northeast Regional ACSA Conference, University of Michigan, Ann Arbor, MI Nov. 4 2000. Published in proceedings pp 131 - 137.
- O'Brien, M. "Homeless Transitional Living Center" Presented to the Spring Research Conference, Architectural Research Centers Consortium, April 1997, Atlanta, GA. Abstract published in Proceedings p.188.
- Davis, A. and M. O'Brien, "The Re-presentation of Designed Technical Courses" Presented to the annual ACSA technology conference, Seattle Wa. 1995. Published in proceedings.
- O'Brien, M., "New Prototypes for Starter Housing - A Model for Public / Private Partnership" Accepted at the XX I.A.H.S. World Congress on Housing, Birmingham England for presentation and publication in Proceedings page 406 - 415, Sept. 21 - 25, 1992.

- O'Brien, M., "Design Innovations in Affordable Housing" International Association on Housing Science XIX I.A.H.S. World Congress on Housing. Presented at the Congress in Ales, France in Sept. 1991, Proceedings Volume 3 "Annexes" p. 13 - 23.

Publications in Popular Press and Professional Journals:

- "Failing Grade" Interviewed by Bruce Nolan as a Building Culture expert on the subject of the origins and diffusion of slab-on-grade construction in the U.S. Published 10-25-06 in the New Orleans Newspaper, The Times Picayune.
- HUD PD&R "Homebuilding Industry Slowed by Old Fashioned Processes." An overview of Phase I through Phase IV of Industrializing the Residential Construction Site" Published in "Research Works" a monthly publication from HUD's Office of Policy Development and Research. October 2005 pp. 6-7.
- O'Brien, M., with Johnson, B., "Safer Places: A Crime Prevention Through Environmental Design Tutorial" Interactive CD ROM tutorial first printing published by The Virginia Department of Criminal Justice Services in 1995. Second printing in 1997, Third printing 2000.
- O'Brien, M, with Tenace, S, Wall, M, Kostelecky, T., "New Prototypes for Starter Housing" INFORM magazine, 1996 vol. 1 p.19.
- Post, Nadine M. "Oklahoma Blast forces unsettling design questions" Featuring our work on the Safer Places interactive CD ROM, Engineering News Record, May 1. 1995 p. 10 - 26.
- Arcidi, Phillip, "Nationwide Homes: A Factory Built Prototype" Featuring in the B1 Prototype affordable house developed by Steve Tenace and myself. Progressive Architecture, August 1992, pp. 76.
- Canty, Donald, "State of the Art" featuring my renovation of the Casselton State Bank AIA Journal Mid-May 1981. p 138 - 139.

Additional Presentations at Professional Meetings:

- O'Brien, M., "Maintaining 'House' in Affordable Housing" Presented to Governors Conference on Housing, Phoenix, Arizona, April 1996.

Invited Presentations:

- Invited Keynote Speaker, "Weighting the Whole: Development of System Weighting Factors for the Whole House Calculator", IAHS 35th World Congress on Housing held September 4-6 2007 at the Royal Melbourne Institute of Technology, Melbourne, Australia.
- Invited to present "What Lies Beneath; Form and Structure" to the students and faculty at the College of Architecture, Planning and Design, Kansas State University, February 2007.
- Invited to consult on constructability, production planning, design and safety issues for Extreme Makeover - Home Edition, Crawford House episode, broadcast 2.12.06.
- Invited to present my professional work and research to the students and faculty at the department of architecture, The Penn State University, January 2004.
- Invited to present "Structure, Form, Ornament" to the students and faculty at the School of architecture, University of Illinois, Urbana, February, 2004.
- Invited to be an "on camera" expert for "Modern Marvels - The House" hosted by Ron Hazelton, broadcast on the Discovery Channel, October 15, 2001. Provided research materials, script points on historical origins and contemporary uses of materials, tools and processes used in the typical light wood frame house.
- O'Brien, M., "The Case for Research Literacy in Architecture" Presented to the 89th Annual ACSA meeting, Baltimore, MD. March, 2001.
- O'Brien, M "The Five Ages of Wood" Plenary Session One. Society for Wood Science and Technology Annual Meeting, Lake Tahoe, NV, June, 2000.
- O'Brien, M., "Research and the Future of Architectural Education" Presented to the 87th Annual ACSA meeting, Minneapolis, MN. March, 1999.
- O'Brien, M., "The Role of Limited Design-Build Activities in Technical Curricula" at the 1997 ACSA Technology Institute in San Francisco CA, July, 1997.

Teaching Summary:

Department of Architecture, Texas A&M University, August 2008-present

- ARCH 405 Design IV Integrated Studio
- ARCH 606 Architectural Design II
- BC 5984 History of Construction (for Virginia Tech as adjunct)

Department of Building Construction, (typical semester teaching load) August 2005-2008

- BC 4444-ARCH 3016 Integrative Practice-Design Build Capstone Studio
- BC 1214-1224 Introduction to Building Construction
- BC 5984 History of Construction
- BC 3116 Building Cultures

Professional Programs in Architecture (typical semester teaching load): 2003 to 2005:

- Architecture 3045-3046 Building Assemblies
- Architecture 3015-3016 Architecture III Design Studio
- Architecture 4214-5134 Topics in History & Theory: Ornament and Architecture

Graduate Architecture Program (typical semester teaching load): 1987 - 2003:

- Architecture 4765-4766: Building Technology
- Architecture 5515-5516: Architecture and Systems Laboratory
- Architecture 5134-4134: Housing and Affordability
- Architecture 5994 Research and Thesis

Adult and Continuing Education Courses:

Indoor Air Quality and Durability

- "20th Century Homes on the Brink of Disaster? The Science of Moisture: Damage and Control" A seven-hour continuing education program developed with Professor Joe Laforski, Department of Wood Sciences and Forest Products, Virginia Tech prepared for the Virginia Home Inspectors Association, Roanoke, Virginia, February 10, 2007.
- "Center for Integrated Systems in Housing (CISH) Seminar" Simpson Strong Tie, San Leandro, CA. Seminar co-presented with Prof. Dan Dolan, Prof. Yvan Beliveau. September 1998.

Crime Prevention Through Environmental Design

- Continuing education session with Dr. Diane Zahm for Certification as Crime Prevention Specialists, "Crime Prevention and the architectural design process" Norfolk, VA. May, 1996
- Presentation with Dr. Diane Zahm to Virginia Crime Prevention Association "Safer Places - an interactive approach to Crime Prevention through Environmental Design Teaching" Richmond, VA. March, 1996
- Presentation with Dr. Diane Zahm to Renaissance 2000, a Commonwealth gathering of law enforcement leaders. Presented "Safer Places - an interactive approach to Crime Prevention through Environmental Design" Richmond, VA. April, 1996
- Presentation with Dr. Diane Zahm to the annual meeting of Crime Prevention Trainers. Presented "Safer Places - an interactive approach to Crime Prevention through Environmental Design" Blacksburg, VA. April, 1996

Professional Memberships:

- President Architecture Research Centers Consortium 2000 - 2002
- Executive Board Member, Architecture Research Centers Consortium 1996 - 2000
- Tau Sigma Delta, Architecture Honor Society 1993
- Blue Key, National Honor Society 1976

Professional and Academic Service:

Service to an Academic Institution or Professional Association:

- Invited Lecturer: "Some Assembly Required - A History of Residential Prefabrication" presented to the Virginia Center for Architecture, September 25, 2007.
- Keynote Speaker, Member of the Scientific Committee, International Association of Housing Science, XXXV World Congress on Housing to convene September 2007, Melbourne, Australia
- External Reviewer, Kent State University, Department of Architecture, Promotion and Tenure Committee 2006.
- External Reviewer, Mississippi State University, College of Architecture, Promotion and Tenure Committee 2006.
- Co-Chair with Dr. Carlos Martin, "NSF Housing Research Agenda Workshop - Whole House and Systems Interactions". Session Co-Chair, scheduled for February 2004.
- Developed online database of artifacts contained in the Sullivan Collection for Southern Illinois University – Edwardsville Campus.
- External Reviewer, State University of New York at Buffalo, Department of Architecture, Promotion and Tenure Committee 2003.
- Chair, 2002 Design Awards Jury for the West Virginia Society of the American Institute of Architects. Responsible for selecting additional jury members David Salmela, FAIA, David Diamond, AIA and Robert Gerloff, AIA. Responsible for documentation and presentation of jury critique and for presentation of Honor Award, Merit Awards, and Special Citation at WVAIA Annual Meeting, November 2002.
- External Reviewer, North Dakota State University, Department of Architecture, Promotion and Tenure Committee 2002.
- Presented lecture "The Neighborhoods of John Nolen" to attendees of "Building Virginia" the Virginia Society of the American Institute of Architects annual meeting, Richmond, VA, 2001.
- External Reviewer, Texas A&M University, Department of Architecture, Promotion and Tenure Committee 2000.
- President, Architectural Research Centers Consortium (ARCC) 2000 - 2001.
- Co Chair, with Professor James Jones, the annual Spring Research Meeting of the Architectural Research Centers Consortium, Virginia Tech, Blacksburg, VA April, 2001.
- Technical Referee, Architectural Research Centers Consortium joint conference with the European Association of Architecture Educators, Paris, Fr. July 2000.
- Member of the Board of Directors, Architectural Research Centers Consortium (ARCC) 1997 - 2001.
- Invited Moderator: Session IV International meeting of ARCC, Raleigh, NC. April, 1998.
- External Reviewer, Catholic University, Department of Architecture, Promotion and Tenure Committee 1998.
- Co - Chair, National Association of Homebuilders Research Consortium, Virginia Tech, 1992 - 1994
- Chair, Technical Session 12, "Local Communities in Housing Development and Management" XX World Congress on Housing, Birmingham, England, 1992
- Judge & presenter for the annual Townscape Civic Beautification Awards, Blacksburg, Virginia, 1992.
- Presented lecture "Theory in Practice: The Architecture of Herman Hertzberger" to attendees of "Building Virginia" the Virginia Society of the American Institute of Architects annual meeting, Richmond, VA, 1991.

Manuscripts and grant proposals reviewed:

- A.S.P.I.R.E.S. (A Support Program for Innovative Research Strategies) proposal review team 1996 - 1997, 1998 - 1999, 1999-2000. The A.S.P.I.R.E.S. program is a Virginia Tech program that makes grants to faculty for the purpose of enhancing research capability. As a member of the review teams we read, critique, and rank approximately 26 proposals annually for award by the Division of Research and Graduate Studies.

Virginia Tech Committees and Commission Service:

- Deans Search Committee for the College of Architecture and Urban Studies 2006.
- University Academic Advisory Committee for update to University Strategic Plan 2005.
- Provost Committee on University Restructuring 2002.
- Peer assessment review group member for Dean John Eaton of the Graduate School 1997-1998.
- University Strategic Planning and Budgeting Committee 1997-1998.
- Commission on Graduate Studies C.A.U.S. Representative, 1989-1993.
- Course Program Criteria Committee - Chair 1990-1992.
- Graduate School Scholarship Committee, 1991-1992.
- Faculty Senate Representative, 1992-1993.
- Faculty Senate Cabinet, 1992-1993.
- Faculty Affairs Committee, 1992-1993.
- Commission on Research, 1992-1993.
- Honor Board, Judicial Panel, 1991.
- Course Program Criteria Committee, 1989.

College of Architecture and Urban Studies Committee Service:

- Promotion and Tenure CAUS 2005-2009.
- Diversity Committee CAUS 2005-2007.
- Honorifics Committee CAUS 2003-2004.
- Honorifics Committee CAUS 2000-2002.
- Deans Search Committee CAUS 1996-1997.
- Landscape Architecture Peer Review Committee, 1995-1996.
- Environmental Design and Planning Committee, 1994-1996.
- Curriculum Committee, 1991-1993.
- Research and Extension Committee, 1991-2002.
- Community Design Center Advisory Board, 1991-1995.
- Master of Science Advisory Committee, 1991-2003.
- C.A.U.S. 25th Anniversary Steering Committee, 1988-1990.
- C.A.U.S. 25th Anniv. Structure Subcommittee, 1988-1990.

Myers-Lawson School of Construction Committees

- Executive Committee 2005-2007
- Faculty Search Committee 2006-2007
- Honorifics Committee 2006-2007

Department of Building Construction Committees

- Peer Review Committee Member 2006-2007.
- Honorifics - Student Awards and Scholarship Committee 2006-2007

Department of Architecture Committees

- Architecture Peer Review Committee Member 2001-2003.
- Environmental Building Systems Position Search Chair 2000-2001.
- Lathrop Professorship Screening Committee, 2000.
- Architecture & Building Construction peer review committee 1998-2000.

Listing of Thesis projects and Project & Reports Directed

2008 - Architecture

Ashfaw, Belilta Urban Design in Earth, a Marketplace in Algeria

2007 - Building Construction

Baughman, Angie Communications Chains and Project Settlements

2007 Architecture

Doan, Patrick Margins of Engagement, a Montessori School for Houston. Outstanding Thesis Award

Rustenbach, Cristine Potomac Boathouse

Kim, Naun School for Art and Design, Seoul, Korea.

2006 - Building Construction

Apechong, Ama Building a Culture of Safety in Ghana

2006 Architecture

Cornell, Rebecca Aquarium Complex for Portland Maine.

2005 - Building Construction

Edwards, Britni Increasing Diversity in a Construction Education Program: An Action Plan for the Virginia Tech School of Construction.

2005 Architecture

Wheeler, Sean Modular Infill, Richmond, VA., Pella Finalist

Graham, Andrew Neighborhood Center, Roanoke, VA

Macomber, Brittany Mixed-Use Development, NC Production Techniques, Roanoke

Garrity, Alexandra Urban Center for Art and Music, Pittsburgh, Pella Finalist

Ganey, John Multi-Use facility, Weaving Space, Atlanta

Frazier, Casey Re-Settling Place, Pella Prize for Undergraduate Thesis

McInerney, Sarah Red Wall: A Study of Place Making. Infill housing in the historic Oregon Hill Neighborhood of Richmond, VA.

2004

Snider, David Architecture is Life, Life is Architecture. A proposal for a self-build system of housing and recreation buildings for a summer camp, Fairmont, WV.

2003

Lindsay, Robert Separation: Artisan Compound on Brush Mountain, Virginia

George Blume Blue Bonnet Retreat in the Texas Hill Country

Hudson, Derek The Making of Water, Stone and Light, A Thermal Bath for Eggleston, Virginia

Blanchard, Kelly Plane and Surface; Urban Infill in the Fan District, Richmond, Virginia

2002

Arnold, Jessica Concealing Mechanism; The O. Winston Link Museum at the Norfolk and Western Railroad Terminal, Roanoke Virginia.

Hall, Andrea Plane and Line, Spatial Layering in Housing, Charlottesville, Virginia

Paulette, Amanda Neighborhood Reconstructed; DOD base housing in Norfolk, Virginia

2001

Hilary, Alice Requiem, A Chapel for Blacksburg, Virginia

Queen, Andrew Revealing Elements; a Library for Montgomery County

2000

Gaddis, Valerie Place Bounded by Circle; a Hospice

Gardoni, Roberto Approaching Architecture; a Museum for Flight at Cape Hatteras

Mahajan, Pankaj Space, Working and Living; a mixed use proposal for Roanoke

Oesch, Harold, F. Towards Re-generative Environmental Design; a low impact house

Sung, Li-Wen Grid Structure and Space; an addition to Cowgill Hall

Targutay, Toygar Intermediary of Opposites; a Turkish Embassy for Washington, D.C

- Tseng, Hui-Minh Reality and Imagination; a Place for Blacksburg
Waltz, Chris At the Waters Edge; the Grid in Coastal Construction
Xu, Jun Transitions: The design of a courthouse
1999
- Fredrickson, K. Creating Life in an Urban Space; Mixed use on Main Street
Patel, Kartikay Inspiration to Illumination
Richards, Bradley James River Nature Center: a study of context and concept
Rogers, Robin An Appalachian House; the design and analysis of a solar house
Simino, Sarah Thoughts on Architecture; a mixed use infill for Blacksburg
Sterne, Christie Places of the Earth, a Cultural Center for Zimbabwe
1998
- Arnold, Colin An architectural intervention to the Corcoran Gallery of Art
Flannigan, K. The Warp and the Weft of Fries, Virginia
Martin, Julia Appreciating Coincidence
Scofield, Sarah Threshold; Intermediary Place
Spetsaris, Tony Structure for Habitation
1997
- Kazebee, Rick Process of Building; a School in Suburbia
Harris-Amodeo, K. A House on St. Croix
Weinheimer, John A place of our own, infill townhouses in Pittsburgh
1996
- Allgair, Peggy House in Ticino
Conen, Ute Entrance = Eingang
Ganey, Sean Life on the Streets; Rebuilding Community in America's Cities
Lacher, Kria Blenco Glass Gallery
1995
- Mingin, Wendy Two Projects, a Comparative Study of Housing
Sheppard, Dave Armstrong Cork Factory adaptive re-use
1994
- Breitschmid, M. Architecture as a creative will in the a-tectonic aesthetic order : (an
architecture-theoretical inquiry according to Friedrich Nietzsche's concept
of order)
- Conrad, Patricia A Proposal for a House
Craig, Phil An Oceanographic Research Laboratory
Goodling, Todd Compression and Release, Enclosure and Transparency
1993
- Jenkins, Chris Chapel in Southwest Virginia Tech
Grier, Sarah Time Rendered Form
Malgliolio, Joseph An Exploration of Architectural Process in an Audubon Building
Tarman, Scott Constructive Clarity in a Fire Station
1992
- Dean, Craig Form and Order; Investigations into Architecture +the Architectural
Light, Barry An Act of Making Form; an addition to Cowgill Hall
Mott, Jennifer Putting the pieces together : the parts and the whole of student housing,
Lexington, VA.
Ulbrich, Brian An Assemblage of Parts
1991

McCall, Ronald	Transformation; a Change of Order and the Growth of Form
Tiecher, Peter	Contextual Variations
Varner, Steve	Student Housing
Wall, Marie	A Conversation
Welch, Sara	Between Solid and Void
Zirkle, Don	Integral pieces : an elemental approach to architecture
1990	
Morphew, Kirk	Dialectic
Yue, Sam	Developing a dialogue between old and new : North Carolina University Center for Art and Architecture

Thesis Advisory Committee membership, masters and doctoral candidates

2008 Building Construction

Shell, Brandon	Moisture Protection Systems Application Failure
Rigby, Ellie	Sustainable Products for Historic Preservation

2008 Architecture

Delgado, Christina	Life between Walls, Urban infill Daylight Strategies
Yun, Gal	Micro-Housing

2005

Olbina, Svetlana	Decision Making Framework for the Selection and Design of Shading Devices. Ph.D. Awarded 2005.
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Hopkins, Steven	Acts of Liturgy, a proposal for a Catholic Church in Blacksburg, VA.
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2004

Starkey, Jennifer	House of Screens, A proposal for residential development in active agricultural production fields
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VanGilder, Joyce	Promenade down the Slope. A riverside multi-use proposal for Fairmont WV.
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Nossen, Patricia	S+M=L. A proposal for convertible apartment infrastructures on Chicago's South Side.
------------------	--

Wang, Mian	Urban Frame. A Convention Center for Colombia, South Carolina.
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2003

Ali, Ahmed	Silence, Darkness and Light: The Grand Egyptian Museum.
------------	---

2002

Cosco, Phillip	Primitive and Modern Space in Observatories, Fairmont, WV.
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Jones, Emma	Lessons from Place, A House on Caicos Island
-------------	--

Christopher, Todd	Zoomorphic Form; Mariners Museum for Wilmington, N.C.
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Tarel, Tracey	The In-Between; Transitional multi-use infill for Blacksburg, VA.
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Bushnaq, Dawn	Construction and Intuition: A House in Ellett Valley, VA
---------------	--

Nossen, Patricia	Transforming Place, Adaptive Apartment Housing in Chicago, IL.
------------------	--

Brown, Marcus	Color, Light and Room; a Museum for Rothko, Blacksburg, VA.
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2001

Miller, Bill	Martin Luther King Memorial: What do these stones mean to you?
--------------	--

Organsky, Jennifer	Along the Rivers Edge: A Bed and Breakfast Residence
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2000

Abdul-Hassan, N.	Mixed use development for Kuwait City, Kuwait
------------------	---

Del Castillo, Jorge	Habitable Walls, Courtyard Homes in Urban Places
---------------------	--

Bengel, Karen	Sensual Architecture: Project for a Thermal Bath at Warm Springs
---------------	--

Cundiff, Derek	Mediation: A replacement elementary school for Roanoke, VA.
----------------	---

Ebert, Doreen	4 walls +: Urban Infill Housing, Roanoke, VA.
---------------	---

- Kubo, Atsuko Between Synergy and Synesthesia: Mixed use development for Hakodate, Hokkaido, Japan
- Li, Xin A Library for Blacksburg, VA.
- Pressick, Garrett Transparency: A Maritime Museum for Norfolk, VA.
- Kang, Jennifer Waltz on the Seine: A sculpture Gallery for Paris.
- 1999**
- Bingham, David Response to the Sun: Passive Solar Design Strategies
- Faulring, Lynn The Remains of a Place: Adaptive Re-Use of an Historic Warehouse.
- Flick, Don Intrinsic: An Exploration in Tectonic Expression - A Montessori School
- Gehringer, Paul Transformations: An Arts Center for Narrows, Virginia.
- Harvey, John Transparency in the Urban Context: a study on the complexity of transparent pieces. Mixed Use Development for McKeesport, PA.
- Smith, Colin Brush Mountain Ranger Station An Exploration of Structure
- Strandberg, David Potters House, Blacksburg, VA.
- Toth, Alice A Thread of Continuity: New Construction in Historic Contexts.
- Tyupkina, Maryana Learning in Architecture: Mixed Use Development in Blacksburg, VA.
- Lugo, Mayte Architecture as a Transition Space: Entertainment Complex for Blacksburg, VA.
- Mayfield, Jeff Newport Sanctuary and Community Center.
- Zhu, Qi A Discussion of Two Design Approaches in Architecture
- 1998**
- Dubbs, Benedict The Making of the In-between: A Rowing Club in Philadelphia.
- Fleming, Jonathan Descendants: Research in Architecture: An Addition to Michelangelo's Laurentian Library
- Freeman, Phillip Residing: House on a Mountain Plateau.
- Latulippe, Michael An Architecture of a wall: Infill Townhouses
- Lee, Sung, Ju Layers for communion : low-rise, high density apartments in-between urban and suburban
- Malofiy, Michael Order and Flexibility: their coexistence as architectural principle: High Density Low Rise Housing
- Massey, William Bay House and Related Projects
- Sakimoto, Hideki Relations: A Center for International Students, Blacksburg, VA.
- Swappach, Andrea A Projection of Space in Reality and Virtuality: A Museum for Film in Kihl, Germany
- 1997**
- Curd, Dwayne An architecture between zero and one: Meditation Center in Montgomery County.
- Foster, Kendall Dialog between opposites
- Hannaway, Timothy Seeing, Feeling, Remembering: The Making of an Appalachian Place.
- Haverstic, Lindell The Substantive: A Dormitory Facility for a Private College.
- James, Geoff, Cross-Cultural Exchange and The Infinite Place: A Postal Facility for Pembroke, VA.
- Kredell, Steve Seeing Through a Wall: A Mixed Use Facility for the Corporate Research Center.
- Margarella, Jonah Festival art Gallery: Exhibition Space for the People of Baltimore
- Martinez, Yamilette Findings: Relationships of old and new, past and present
- Mendez, Clarissa, Of Surface and Shadow. Proposal for a new School of Architecture, San Juan, PR.

- Posten, Steve Place in the middle landscape: A City Center for Christiansburg, VA.
 Wolf, Bettina Revealing Essence
1996
- Flueckiger, Urs Premanufactured housing, or, Living in 6 1/2 ounces of pure architecture
 Schmiedke, Brad Distillation: A Family Compound in Floyd, VA.
 Simmons, Katrina Evolving with the Sun.
1995
- Bieker, Louis Somewhere between place and direction: Housing for Stuart, VA.
 Ficken, Heidi Designing for Community
 Parola, Patricia Settings to Live: High Density Low Rise Housing for Washington D.C.
 Stallings, Brad Station points : a place in the world
1994
- Bond, Easom A House of Many Rooms.
 McManus, Joe Unbuilding architecture : a non-normative exploration
 Michelmann, R. Design within an urban frame : a school for palimpsest Alexandria, Virginia
 Oakley, Glenn Fragment to foundation : photographic observation and tonal drawing as a point of beginning for architectural design
 Spencer, Ned The Sacred Way: A Cathedral for Virginia Beach.
 Sutton, Jane Between the Ocean and the Bay.
1993
- Ehmann, Christine A Dream of the Sacred: Quarry as Meditation Center
 Gupta, Smita From Memory to House.
 Perkins, Ann The franchise gas station : a study of agenda, subtext, and consequence
 Tucker, Diane A town for 3000 people : a high school in Bowie, Maryland
1992
- Husebo, John The search for a sculptural paradigm : the design of a pedestrian bridge
 Kosmal, Gregorz Function Revisited
 Tsai, Binghuan A museum of nature and science : the shaping of forms
1991
- Brewster, Bill A Rural Fire-station.
 King, James A Dichotomy of Presence.
 Klooster, John A Room for Man.
 Landes, Brenda The Making of the Pieces.
 Liu, Men-Chou A Library for Crystal Springs.
 Murphy, Jack Hockey Arena for Roanoke
 Worrledge, Tom The Spiral in Architecture: A Church for Blacksburg.
1990
- Bracey, Karen Implications of tort law on professional liability in the design and construction industries
- Cogger, Doug Four Houses in a Row.
 Conrad, Carolyn A Place Called School.
 Gammon, Karen Stables
 Grimm, Ronald A concert hall for Pittsburgh : responding to Panther Hollow
 Huggins, Jeremy Definition of a threshold
 Lettieri, Lisa The architecture of masts
 Marquardt, Vince Architecture : the making
 Nemes, Linda Relevance of ambiguity
1989
- McKinney, Robert A movement from fragments to the incomplete
 Murphy, John Material Accommodation: An Ice Arena for Blacksburg

1988

Masker, Scott Intention

Doctoral Committee Membership:

Platt, Terry	Department of Wood Science and Forest Products, completed, 2000.
Yun, Ping-Wang	Department of Civil Engineering.
Michael Beaty	Environmental Design & Planning program, Prelims completed 2001.
Sami Al-Masalha	Environmental Design & Planning program, Prelims completed 2003.
Svetlana Olbina	Environmental Design & Planning program, Prelims completed 2003.
Manoj K. Mishra	Environmental Design & Planning program
Qian, Chen	Environmental Design & Planning program, Prelims completed 2006
Victor Quagraine	Environmental Design & Planning program, Prelims completed 2006
Roby Robinson	Environmental Design & Planning program
McCoy, Andrew	Environmental Design & Planning program, Prelims completed 2007

Listing of Completed Professional Commissions:

In Association with James Ritter, Architect

- Fellowship Building & Grounds, Unitarian Universalist Fellowship of the New River Valley, Blacksburg, VA. Associated Architect (design, construction) Constructed 1991.

As Independent Practitioner:

- Turtle Lake Cabin, Marcell, Minnesota; restoration, modernization and addition to 1907 log cabin. Project design 1995 project construction 1995 - 2001.
- Griffith residence remodeling, Kingsport, Tennessee; “gut to structure” demolition and reconstruction of 3,800 s.f. house on the Holston River. Project design 1990, construction 1990 - 91.
- Pfeiffer addition, Blacksburg, Virginia, family room, bedroom addition to 1940’s residence, constructed 1989.
- O’Brien residence, Blacksburg, Virginia; design and construction of affordable housing prototype. constructed 1989.

As Partner, Twichell, Thompsen, Martens, O’Brien

- St. Andrews Hospital Congregate Housing Bottineau, North Dakota; an adaptive re-use of a 1937 hospital into HUD Section 202 congregate housing. Responsible for physical / financial feasibility, design, construction, construction observation. Constructed in 1986 - 87.
- Rolla Community Hospital remodeling, Rolla North Dakota; remodeling of 1960’s hospital wing from acute care to long term care. Responsible for physical / financial feasibility, schematic design, construction documents. Constructed 1987.
- Interstate Seed Small Business Incubator, Fargo, North Dakota;

adaptive re-use of historic industrial complex. Responsible for physical / financial feasibility, schematic design. Constructed 1988.

- R&R apartment complex, West Fargo, North Dakota; a master plan, prototype 20 & 24 unit apartment development and site planning for a 220 unit rental development. Responsible for design, contract documents. Constructed 1986 - 1989.
- Stern Brothers Apartments, Fargo, North Dakota; a four unit infill prototype for the residential core area of Fargo. Schematic design 1986, constructed 1989.

Listing of Classes Taught and Student evaluations of instruction Virginia Tech (on 4.0 scale)

Term	Course Number and Title (G) Graduate course, credit hours (U) Undergraduate course (no evaluations Spring 07 due to 4.16.07)	Responses	Evaluation
2007			
Fall 2007	ARCH 3015 Architecture III Design Studio (24 U)	19	3.60
Fall 2007	ARCH 3045 Building Assemblies	45	3.42
Fall 2007	BC 1214 Building Assemblies	52	3.83
Spr. 2007	BC 1224 Introduction to Building Const. (95 U),	n.a.	n.a.
Spr 2007	BC 3116 Building Cultures (45 U)	n.a.	n.a.
Spr 2007	ARCH 4516 Architecture V, (2 U)	n.a.	n.a.
Spr 2007	ARCH 4524 Thesis Documentation, (2 U)	n.a.	n.a.
Spr 2007	ARCH 5994 Research and Thesis, (1 G)	n.a.	n.a.
2006			
Fall 2006	BC 1214 Introduction to Building Cons. (170 U)	135	3.84
Fall 2006	BC 5984 History of Construction (1 U, 9 G)	10	4.00
Fall 2006	ARCH 4515 Architecture V, (2 U)	n.a.	n.a.
Fall 2006	ARCH 5994 Research and Thesis, (1 G)	n.a.	n.a.
Spr. 2006	BC 1224 Introduction to Building Const. (U),	56	3.893
Spr. 2006	BC 4444 Capstone Project (U,G),	n.a.	n.a.
2005			
Fall 2005	BC 1214 Introduction to Building Const. (110 U),	60	3.529
Fall 2005	BC 5984 History of Construction (4 G),	4	3.75
Spr. 2005	ARCH 3016 Architecture III Design Studio (U)	19	4.00
Spr. 2005	ARCH 3054 Building Analysis. (U)	19	N.A.
Spr. 2005	ARCH 3046 Building Assemblies (U),	18	3.90
Spr. 2005	ARCH 4524 Thesis Documentation (U)	7	4.00
Spr. 2005	ARCH 4516 Architecture V Thesis (U)	8	4.00
2004			
Fall 2004	ARCH 3015 Architecture III Design Studio (U),	22	4.0
Fall 2004	ARCH 3045 Building Assemblies (U),	21	3.95
Fall 2004	ARCH 4214 Ornament and Architecture (U),	4	3.75
Fall 2004	ARCH 5134 Ornament and Architecture (G),	4	3.75
Spr. 2004	ARCH 3016 Architecture III Design Studio (U)	23	3.82
Spr. 2004	ARCH 3016 Building Analysis. (U)	27	3.44
Spr. 2004	ARCH 3046 Building Assemblies (U),	23	3.83
2003			
Fall 2003	ARCH 3015 Architecture III Design Studio (U),	32	3.88
Fall 2003	ARCH 3045 Building Assemblies (U),	34	3.84
Fall 2003	ARCH 4214 Ornament and Architecture (U),	3	n/a
Fall 2003	ARCH 5134 Ornament and Architecture (G),	6	n/a
Spr. 2003	ARCH 5516 Arch & Systems Lab (G), 6	14	3.64
Spr. 2003	ARCH 4766 Building Technology (G), 3	40	3.90

Listing of Classes Taught and Student evaluations of instruction (on 4.0 scale)

Term	Course Number and Title	(G) Graduate course, credit hours	(U) Undergraduate course	Responses	Evaluation
2002					
Fall 2002	ARCH 5515	Arch & Systems Lab (G), 6		18	3.67
Fall 2002	ARCH 4765	Building Technology (G), 3		39	3.87
Spr. 2002	ARCH 5516	Arch & Systems Lab (G), 6		12	3.19
Spr. 2002	ARCH 4766	Building Technology (G), 3		20	3.93
2001					
Fall 2001	ARCH 5515	Arch & Systems Lab (G), 6		14	3.69
Fall 2001	ARCH 4765	Building Technology (G), 3		32	3.93
Spr. 2001	ARCH 4766	Building Technology (G), 3		29	3.83
Spr. 2001	ARCH 5516	Arch & Systems Lab (G), 6		14	3.7
2000					
Fall 2000	ARCH 4765	Building Technology (G), 3		33	3.73
Fall 2000	ARCH 5515	Arch & Systems Lab (G), 6		14	4.0
Spring 2000		On Study Leave			
Su2 2000	ARCH 5756	Advanced Design Lab (G), 6		16	3.87
1999					
Fall 1999	ARCH 5515	Arch & Systems Lab (G), 6		12	3.92
Fall 1999	ARCH 4765	Building Technology (G), 3		38	3.89
Spr. 1999	ARCH 5516	Arch & Systems Lab (G), 6		9	4.0
Spr. 1999	ARCH 4766	Building Technology (G), 3		19	3.95
Spr. 1999	ARCH 5984	Design of Habitat for Humanity House (G), 3		12	3.67
Spr. 1999	ARCH 4304	Construction of Habitat for Humanity House (U), 3		30	3.67
Su2 1999	ARCH 5756	Advanced Design Lab (G), 6		17	3.75
Su2 1999	ARCH 4766	Building Technology (G), 3		8	N.A.
1998					
Fall 1998	ARCH 5515	Arch & Systems Lab (G), 6		13	3.77
Fall 1998	ARCH 4765	Building Technology (G), 3		28	3.74
Fall 1998	ARCH 5984	Construction of Habitat for Humanity House (G), 3		4	3.65
Fall 1998	ARCH 4304	Construction of Habitat for Humanity House (U), 3		18	3.65
Spr. 1998	ARCH 5516	Arch & Systems Lab (G), 6		11	3.45
Spr. 1998	ARCH 4766	Building Technology (G), 3		30	3.73
1997					
Fall 1997	ARCH 4414	Arch. Systems Integration (U), 3		1	N.A.
Fall 1997	ARCH 5515	Arch & Systems Lab (G), 6		26	3.46
Fall 1997	ARCH 4765	Building Technology (G), 3		38	3.8
Spr. 1997	ARCH 5516	Arch & Systems Lab (G), 6		15	3.71
Spr. 1997	ARCH 4766	Building Technology (G), 3		19	3.83
Spr. 1997	ARCH 4304	Teaching in Architecture (G), 3		1	N.A.
1996					
Fall 1996	ARCH 5755	Advanced Design Lab (G), 6		4	3.0
Fall 1996	ARCH 5515	Arch & Systems Lab (G), 6		12	3.8
Fall 1996	ARCH 4765	Building Technology (G), 3		26	3.87

Listing of Classes Taught and Student evaluations of instruction (on 4.0 scale)

Term	Course Number and Title (G) Graduate course, credit hours (U) Undergraduate course	Responses	Evaluation
Fall 1996	ARCH 4304 Crime Prevention Through Environmental Design - Safer Places	2	3.5
Fall 1996	ARCH 4304 Teaching in Architecture	2	N.A.
Spr. 1996	ARCH 5756 Advanced Design Lab (G), 6	1	N.A.
Spr. 1996	ARCH 4766 Building Technology (G), 3	51	3.84
1995			
Fall 1995	ARCH 4765 Building Technology (G), 3	50	3.6
Fall 1995	ARCH 5894 Final Examination	1	N.A.
Fall 1995	ARCH 4304 Crime Prevention Through Environmental Design - Safer Places	9	N.A.
Spr. 1995	ARCH 4016 Architecture II (U), 6	1	N.A.
Spr. 1995	ARCH 4766 Building Technology (G), 3	39	3.7
Spr. 1995	ARCH 5894 Final Examination	1	N.A.
1994			
Fall 1994	ARCH 5515 Arch & Systems Lab (G), 6	23	N.A.
Fall 1994	ARCH 5515 Arch & Systems Lab (G), 6	23	N.A.
Fall 1994	ARCH 4765 Building Technology (G), 3	33	3.8
Spr. 1994	ARCH 5516 Arch & Systems Lab (G), 6	23	3.7
Spr. 1994	ARCH 4766 Building Technology (G), 3	23	3.3
1993			
Fall 1993	ARCH 5515 Arch & Systems Lab (G), 6	24	N.A.
Fall 1993	ARCH 5515 Arch & Systems Lab (G), 6	24	N.A.
Fall 1993	ARCH 4765 Building Technology (G), 3	31	3.8
Fall 1993	ARCH 4984 Housing & Affordability (U), 3	14	3.5
Fall 1993	ARCH 5984 Housing & Affordability (G), 3	6	N.A.
Spr. 1993	ARCH 5516 Arch & Systems Lab (G), 6	20	N.A.
Spr. 1993	ARCH 4766 Building Technology (G), 3	21	3.8
1992			
Fall 1992	ARCH 5515 Arch & Systems Lab (G), 6	21	2.75
Fall 1992	ARCH 4755 Bldg. Env. Systems (G), 3	27	N.A.
Spr. 1992	ARCH 5516 Arch & Systems Lab (G), 6	25	3.0
Spr. 1992	ARCH 5716 Arch & Urbanism Lab (G), 6	13	N.A.
Spr. 1992	ARCH 4766 Building Technology (G), 3	3	N.A.
Spr. 1992	ARCH 5116 Media & Environment (G), 2	9	N.A.
Spr. 1992	ARCH 5116 Media & Environment (G), 2	9	N.A.
Su1 1992	ARCH 4765 Building Technology (G), 3	27	3.68
Su2 1992	ARCH 4766 Building Technology (G), 3	23	3.8
1991			
Fall 1991	ARCH 5515 Arch & Systems Lab (G), 6	15	3.5
Spr. 1991	ARCH 5756 Advanced Design Lab (G), 6	1	3.67
Spr. 1991	ARCH 5516 Arch & Systems Lab (G), 6	21	3.5
Spr. 1991	ARCH 5716 Arch & Urbanism Lab (G), 6	3	3.67

Listing of Classes Taught and Student evaluations of instruction (on 4.0 scale)

Term	Course Number and Title (G) Graduate course, credit hours (U) Undergraduate course	Responses	Evaluation
Spr. 1991	ARCH 4766 Building Technology (G), 3	29	3.7
Spr. 1991	ARCH 5116 Media & Environment (G), 2	8	N.A.
Spr. 1991	ARCH 5116 Media & Environment (G), 2	8	N.A.
Su1 1991	ARCH 4765 Building Technology (G), 3	29	N.A.
Su2 1991	ARCH 4766 Building Technology (G), 3	31	N.A.
1990			
Fall 1990	ARCH 5755 Advanced Design Lab (G), 6	2	N.A.
Fall 1990	ARCH 5515 Arch & Systems Lab (G), 6	23	3.9
Fall 1990	ARCH 4765 Building Technology (G), 3	28	N.A.
Spr. 1990	ARCH 5716 Arch & Urbanism Lab (G), 6	8	N.A.
Spr. 1990	ARCH 4766 Building Technology (G), 3	20	3.5
Su1 1990	ARCH 4765 Building Technology (G), 3	4	3.48
1989			
Fall 1989	ARCH 5755 Advanced Design Lab (G), 6	2	3.42
Fall 1989	ARCH 5715 Arch & Urbanism Lab (G), 6	10	3.42
Fall 1989	ARCH 4765 Building Technology (G), 3	23	N.A.
Fall 1989	ARCH 5515 Arch & Systems Lab (G), 6	21	3.4
Spr. 1989	ARCH 5716 Arch & Urbanism Lab (G), 6	8	3.26
Spr. 1989	ARCH 4766 Building Technology (G), 3	20	3.4
Su1 1989	ARCH 4765 Building Technology (G), 3	4	N.A.
Su2 1989	ARCH 4766 Building Technology (G), 3	3	N.A.
1988			
Fall 1988	ARCH 4765 Building Technology (G), 3	32	3.23
Spr. 1988	ARCH 5713 Arch Syst Laboratory (G), 6	17	3.60
Spr. 1988	ARCH 4063 Building Assembly (G), 3	13	3.5
Su2 1988	ARCH 4063 Building Assembly (G), 3	16	N.A.
1987			
Fall 1987	ARCH 4765 Building Assembly (G), 3	18	3.47