

CURRICULUM VITAE

MARK D. RUSSELL

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Education

University of Florida

Doctor of Philosophy (Building Construction) August 2011

Dissertation: Enhancing Building Rating Systems with Carbon Foot-printing

Old Dominion University

Master of Science in Civil/Environmental Engineering December 1995

New Hampshire College

Master of Business Administration August 1992

University of Central Florida

Bachelor of Science in Electrical Engineering December 1989

Employment

Lecturer

August 2016- Present

M.E. Rinker School of Building Construction, University of Florida, Gainesville, Florida

- Instructor for the following courses: BCN 1582 International Sustainable Development, BCN 2405 Construction Mechanics, BCN 3012 History of Construction, BCN 3521 Electrical Systems, BCN 4510 Mechanical Systems, BCN 4720 Construction Planning & Control, BCN 4956 History of Sustainable Construction, BCN 5789 Graduate Construction Project Delivery, BCN 6641 Graduate Value Engineering
- Faculty coach for National Association of Home Building student chapter and competition team
- Faculty coach for Associated Schools of Construction student competition team for Sustainable Construction
- Faculty representative for Exchange Programs in Hong Kong and Germany
- Developed and teach faculty led Study Abroad course in Rome/Vicenza, Italy titled: *History of Sustainable Construction*
- Performed ACCE accreditation assessment for various university construction management programs.

Adjunct Professor

August 2016 – Present

Civil Engineering Department, University of New Mexico, Albuquerque, New Mexico

- Instructor for online courses: CE 477/577 Project Controls, CE 598 History of Construction

Partner in consulting firm

August 2011- Present

Wise Built LLC, Gainesville, Florida

- Conducted Green Globes Assessments on over 200 different buildings located throughout the US, developed reports, conducted site investigations, and provided final ranking of sustainable qualities for facilities. Clients included public and private construction projects with specialty in US Department of Defense, hospital facilities, grocery stores, and data centers.
- Member of ANSI review committee for BSR/GBI 01-201X: Green Building Assessment Protocol for Commercial Buildings.

AGC Endowed Chair

Lecturer III

August 2015 – August 2016

Lecturer II

August 2011- July 2015

University of New Mexico, Civil Engineering Department, Albuquerque, New Mexico

- Undergraduate Program Coordinator.
- Instructor for courses in Civil/Construction and Mechanical Engineering departments.
- Faculty adviser for Associated General Contractors (AGC) Student Chapter.
- Faculty adviser for Home Builders Association (HBA) Student Chapter.
- Coach for Associated Schools of Construction LEED team competition.
- Coach for Residential Construction Management Competition team.
- Judge for Association of Building Contractors annual construction awards.
- Developed faculty led course on Sustainable Construction in Germany, summer 2014.
- Developed faculty led course on History of Construction and Sustainability in Rome, Italy, summer 2016

Graduate Teaching Assistant (P/T)

January 2007-December 2010

University of Florida, Powell Center, Gainesville, Florida

- Graduate Teacher.
- Prepared material and guest lecturer for Safety and Hazardous Materials Course.
- Instructor Leadership in Energy and Environmental Design (LEED) Exam Review.

Contract Manager

October 2002–August 2006

URS, Frankfurt, Germany

- Responsible for the management of European contracts with the US Government.
- Oversight on \$15 million of environmental and construction projects.
- Manager for a team of 30 multi-national professionals. Development of proposals and marketing for new acquisitions.

Liaison Officer

October 2000-October 2002

Naval Facilities Engineering Command Europe, Naples, Italy

- Coordinate construction projects by US Military in Italy with Italian Defense General Staff.
- Prepare construction request documentation and oversight on contract awarding.
- Development of regulations and training material on contractor authorization and safety procedures.
- Performed earthquake recovery site assessment for USAID in Baku, Azerbaijan.

Officer in Charge of Construction January 1998 – October 2000
Atlantic Division Naval Facilities Engineering Command, Norfolk, Virginia

- Project Manager for construction of 22 buildings.
- Coordinate with general contractors, process RFI's, change orders, and budget.
- Oversight on environmental clean-up projects.

Environmental Officer January 1996-Januray 1998
Bureau of Medicine and Surgery, Norfolk, Virginia

- Oversight on all environmental projects for US Naval Hospitals around the world.
- Responsible for facility planning and budget allocation.

Officer in Charge November 1992- January 1995
Construction Battalion Unit 423, Staten Island, New York

- Responsible for 50 man construction crew for building construction, renovation, and historic preservation.
- Building of over 30 various structures in Staten Island, New York and Little Creek, Virginia.
- Develop projects and construct buildings as part of civic action group.

Public Works Officer November 1990 – November 1992
Roosevelt Roads, Puerto Rico

- Responsible for transportation department and fleet of 120 vehicles.
- Oversight on base public works functions to include utilities and building maintenance.
- Assist in disaster recovery following Hurricane Hugo.

Licenses/Organizations/Committees

- Professional Engineer, Florida.
- Certified General Contractor, Florida.
- LEED Accredited Professional.
- Green Globes Assessor.
- BREEAM International Assessor.
- Associated General Contractor (AGC) New Mexico - Construction Leadership Council member.
- Home Builders Associated (HBA) of Central New Mexico - Board Member.
- American Society of Civil Engineers (ASCE) member.
- CIB (International Committee on Building Construction) W115 working group on material stewardship.
- Member of American Council of Construction Education (ACCE) accreditation team to review construction management programs at applicable universities.
- Selected as Fulbright Specialist Candidate for construction and sustainability.
- Commercial Pilots License.
- American Sailing Association – Captain's License.

Awards/Recognitions

- 2015 Junior Faculty Teaching Excellence Award.
- 2015 AGC-NM Best Teacher of the Year Award.
- Nominated as Graduate Teaching Assistant of the year from Rinker School of Construction, University of Florida in 2008 and 2009.
- Received 1995 Starfish Award for community involvement from Mayor of New York City.

Teaching Experience

- CE 171 Construction Methods & Techniques UNM (Fall 2014) – developed all material and taught complete course. Approximately 20 students per semester.
- CE 279 Mechanical & Electrical Systems UNM (Spring 2013) – developed all material and taught complete course. Approximately 20 students per semester.
- CE/ME 350 Engineering Economics UNM (Fall 2011 to Spring 2012) – developed all material and taught complete course. Approximately 70 students per semester.
- CE 371 Statics for Construction UNM (Spring 2012 to Spring 2016) – developed all material and taught complete course. Approximately 25 students per semester.
- CE 376 Construction Estimating UNM (Fall 2011 to Spring 2016) – developed all material and taught complete course. Approximately 20 students per semester.
- CE 377 Construction Scheduling UNM (Spring 2012 to Spring 2013) – developed all material and taught complete course. Approximately 25 students.
- CE 477/577 Project Controls UNM (Fall 2014 to present) – undergraduate and graduate combined course. Develop material and taught complete course. As of Fall 2016, this has become an online course. Approximately 35 students per semester.
- CE 497/499 Senior Design Construction Integration – Capstone UNM (Fall 2011 to Spring 2016) – developed course material and assisted teams in preparing design packages. Approximately 40 students per semester.
- CE 598 History of Construction (Summer 2016 to Present) – Graduate program. Developed material and taught complete online course. Approximately 10 students per summer semester.
- BCN 3012 History of Construction (Summer 2019 to Present) – developed all online course material and taught complete course. Approximately 100 students per semester.
- BCN 3611C Estimating I UF (Fall 2009 to Fall 2010) – developed all material and taught complete course. Approximately 60 students per semester.
- BCN 2405 Construction Mechanics UF (Fall 2007 to Spring 2009, Fall 2018) – developed all material and taught complete course. Approximately 60 students per semester.
- BCN 1210 Construction Materials UF (Fall 2008) – developed all material and taught complete course. Approximately 100 students per semester.

- BCN 1582 International Sustainable Development UF (Spring 2017) – taught class on sustainable practices on an international basis. Approximately 100 students per semester.
- BCN 3521 Electrical Systems UF (Fall 2017) – taught course on construction electrical principles. Approximately 30 students per semester.
- BCN 3737 Safety/Health/Environment UF (Spring 2007 – Spring 2008) – developed and taught classes that relate environmental concerns to construction. Approximately 60 students per semester.
- BCN 4510 Mechanical Systems (Spring 2019 – present) – taught course on HVAC systems and plumbing. Approximately 40 students per semester.
- BCN 4720 Construction Planning & Control UF (Fall 2016 – present) – taught course on construction scheduling. Approximately 40 students per semester.
- BCN 5737 Advance Issues in Construction Safety UF (Spring 2007 – Spring 2008) – developed and taught classes that relate environmental concerns to construction. Approximately 60 students per semester.
- BCN 4712 Leadership/Management in Construction UF (Spring 2007) - Developed exercises and taught group activities. Approximately 30 students per semester.
- BCN 4709 Construction Project Management UF (Fall 2008) – Developed lectures and taught classes on government and international project management. Approximately 30 students per semester.
- BCN 4956 History of Sustainable Construction (Summer 2018 – present) – Study Abroad course in Rome/Vicenza, Italy that examines how sustainable construction has impacted our buildings over time. Approximately 15 students per 2 week summer semester.
- BCN 5789 Construction Project Delivery UF (Fall 2016 – Spring 2019) – taught Capstone course to cover project delivery methods. Approximately 20 graduate students per semester.
- BCN 6641 Value Engineering UF (Fall 2017 – Spring 2018) – taught course on the techniques to perform value engineering. Approximately 10 graduate students per semester.
- LEED (Leadership in Energy and Environment) course for the general public and construction/AE contractors (Fall 2007 to present). From 30 to 100 students per course.
- Energy Retrofit course for New Mexico Professional Engineers. (Fall 2011 to Spring 2016).
- Associated General Contractors (AGC) taught annual course on Supervisor Training Program Module 4 – Document Controls (Fall 2015 to present)

Conferences and Publications

- (2019) Russell, M, Testimony to Congress, Committee on Transportation and Infrastructure, U.S. House of Representatives, Subcommittee on Economic Development, Public Buildings, and Emergency Management, “Efficiency and Resiliency in Federal Building Design & Construction”, June 2019
- (2019) Russell, M., Smart City University Indonesia, Research Workshop instructor; Jakarta, Indonesia, April 2019
- (2019) Russell, M., “Implementing Green Design in Commercial Tourism Buildings”, Invited Guest Lecture, University Udayana, Bali, Indonesia, April 2019
- (2018) Russell, M., Smart City University Indonesia, Academic Writing Short Course Mentor; Jakarta, Indonesia, November 2018
- (2016) Russell, M., Chini, A., Kibert, C., Low, G., “Conceptual Framework For CIB W115-Construction Materials Stewardship”, presentation at WBC16 Congress, Tampere, Finland, May 2016
- (2015) Jafari, A., Valentin, V., Russell, M., “Sensitivity Analysis of Factors Affecting Decision-Making for Housing Energy Retrofit: a Case Study”, presentation at ASCE Construction Research Council, San Juan, Puerto Rico, May 2016.
- (2016) Markham, J., Russell, M., Stone, M., Bhattarai, D., Bohara, A., “Resilient Community Centers for Nepal Earthquake Victims”, presentation at SBE16, Hamburg, Germany, March 2016
- (2014) Jarfari, A., Russell, M., “Environmental Impact of Housing Retrofit Activities: Case Study”, World Sustainable Building Conference 2014, Barcelona, Spain.
- (2014) Russell, M., “Housing Refurbishment to Net Zero Energy Case Study”, International Institute for Sustainable Built Environment, Gainesville, Florida.
- (2013) Russell, M., Jafari, A., “Case Study of a Housing Refurbishment and Material Revitalization”, Sustainable Building 2013, CIB Conference, Singapore.
- (2012) Russell, M., “Building Rating Systems International Conversion”, Sciences behind Sustainability Quantification for Building and Infrastructure Design, Engineering and Construction (S2QBIDEC), ASCE/NSF Workshop, Ft. Worth, Texas.
- (2012) Russell, M., 49th Annual Paving and Transportation Conference, presentation titled “Transportation and Building Rating Systems”, Albuquerque, New Mexico.
- (2011) Russell, M., “Building Ratings systems and Carbon Footprinting”, presentation at 2011 World Sustainable Building Conference, Helsinki, Finland.
- (2011) Russell, M., WB11 Proceedings, “Building Ratings systems and Carbon Footprinting”.
- (2011 - present) Conducted Peer Reviews for Journal of Green Building.
- (2009) “Assisting in developing symposium on water usage in Apalachicola, Chatahoochee, Flint River basin”. Symposium is a multi-disciplinary approach to resolve issues in which urban planners, architects, building construction, engineers, and environmental specialist work together.
- (2009) Developed and conducted training programs for US Army Corps of Engineers Europe on LEED implementation and host nation sustainable principles.
- (2008) Assisted in organizing IT in Construction Conference on integrating information technology to improve construction productivity, Gainesville, Florida.

- (2008) Developed and conducted training programs: “Learning to LEED” and “Roles and Responsibilities for US Military” on LEED projects for the US Navy, Iwakuni and Okinawa, Japan.
- (2006) Peer reviewer for international conference on Rethinking Sustainable Construction, Sarasota, Florida.
- (2005) Russell, M., “Energy Saving Options for Germesheim Army Depot”, research paper for US Army Europe.
- (2004) Russell, M. “Building Performance on Military Bases”, presentation at Installation Management Activity Conference in Sonthofen, Germany.
- (2001) Russell, M., Russo, N., “Italian Construction Safety Legislation”, paper for European Command training conference in Vicenza, Italy.
- (2000) Russell, M., Russo, N., “Italian Mixed Commission Procedures”, presentation at Italian Defense General Staff conference in Aviano, Italy.

Graduate Committee Membership

- Jafari, Amir – PhD Committee, UNM – Dissertation on retrofit of buildings to sustainable standards. Graduated 2018
- Metro, Krystal – PhD Committee, UNM – Dissertation on sustainable energy modeling. In progress
- Sanchez, Patricia – Master’s Committee, University of Northumbria, UK – Thesis topic on Adobe structures and BIM, Graduated 2018
- Han, Fei – Master’s Committee, UNM – Thesis topic on Sustainability and BIM. Graduated 2015
- Herman, Jason – Master’s Committee, UNM – Thesis topic on Water Treatment plant estimating. Graduated 2015
- Nadafianshamabadi, Razieh – Masters Committee, UNM – Thesis topic on highway construction and scheduling, Graduated 2015
- Gram, Nils – Masters Committee, UNM – Thesis on digital scanning of historic missions in New Mexico, Graduated 2012

Language Experience

- Italian – good (studied at Defense Language Institute, Monterey, CA)
- German – conversational (living in Germany for 4 years)
- Japanese – (studied for 2 years while an undergraduate)