

# CURRICULUM VITAE

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## Statement of Teaching Philosophy

As an educator, helping students form new, significant life experiences is the essence to why I am always excited to teach. I am motivated to ensure students understand all concepts of using technology and the process of technology adoption. It is critical to prepare students on how to apply the course concepts in the real world so that can successfully implement technology-oriented systems. My previous work experiences of helping faculty develop course curriculums and my own online teaching experiences have helped me to become a successful educator. Having worked in the information technology field for over ten years, I have been exposed to many technologies and tools that work well in certain environments and many technologies that do not work based on the students' needs. I ensure that I am always using the best technologies possible and that students are getting the best possible experience.

In the classroom, I inspire learning by using information technology tools, virtual guest speakers (when possible), and current research. Information technology has produced various active learning tools, blogs, engaging multimedia, and other technologies, like Twitter, Instagram and VoiceThread, which are often integrated into my classroom. I help students create connections to why the course content is relevant to them. Being a professional educator today requires the instructor to be flexible with course design and delivery and responding to meet the needs of all students. The use of web-based and mobile tools is used in all courses I teach (e.g. VoiceThread, Thinglink, etc.), which, I believe, helps strengthen the student-teacher relationship and build better professional networks. I provide multiple technologies and opportunities to students to ensure they can be in communication with me, even if it is a phone call from me asking how the course is going. I also enjoy the prospect of employing new collaboration and communication technologies to better engage students. As a professional educator, I believe course curriculum needs to always be changing and it is my job to find the best tools and technologies that will meet the students' needs successfully. Ultimately, learning is a choice; therefore, I strive to help students learn and become lifelong learners.

## Formal Education

<b>EdD, Curriculum/Instruction</b> Valdosta State University, Valdosta, GA Dissertation: Exploring Faculty Use Before and After a Learning Management System Migration: A Survey Approach	2015
<b>MLIS, Information Science and Technology</b> University of South Carolina, Columbia, SC	2016
<b>MEd, Educational Technology</b> University of South Carolina Aiken, Aiken, SC	2009
<b>BS, Technology Support and Training Management</b> University of South Carolina, Columbia, SC	2007

## Experience

### **Adjunct Online Faculty, Cybersecurity**

2019 – Present

New England College (Henniker, NH)  
School of Graduate and Professional Studies

Teach online, graduate/professional-level courses on information technology and cyber security.

Design and update course content within the Blackboard LMS.

Create numerous course assignments and assessments that measure all course learning outcomes.

#### *Courses Developed and Taught:*

ECS 5100: Computer Security Foundations (100% online)

### **Adjunct Online Faculty, Information Technology**

2017 – Present

Middle Georgia State University (Macon, GA)  
School of Information Technology

Teach online, undergraduate-level courses on information technology.

Design course content for D2L and record instructional content using Adobe Presenter Video Express and/or Camtasia.

#### *Courses Developed and Taught:*

ITEC 3235: Human Computer Interaction (100% online)

ITEC 3245: Database Principles (100% online)

ITEC 4288: Electronic Commerce Systems (100% online)

### **Adjunct Faculty**

2015 - Present

University of South Carolina (Columbia, SC)

College of Engineering and Computing/Department of Integrated Information Technology

Teach hybrid and online undergraduate courses on information technology topics related to HTML5, CSS, JavaScript and database design.

Utilized various Web 2.0 tools, including VoiceThread and blogging, to help students capture their learning experiences.

#### *Courses Developed and/or Taught:*

ITEC 265: Computer Applications in Business II (Hybrid)

ITEC 362: Web-Based Support Systems (Hybrid)

ITEC 544: Training Systems (Hybrid)

### **Instructor, Information Systems Technology**

2015 - Present

Midlands Technical College, Columbia, SC

Teach computer technology, software application, and web programming courses to all majors.

Deliver courses in various formats, including face-to-face, hybrid, and online environments.

Create a student-centered environment and provide students with multiple opportunities to practice desired course-learning outcomes.

Redeveloped IST 226 (Internet Programming) into a fully hybrid-based course. Required selecting an appropriate textbook, rewriting weekly outcomes, and creating new learning assignments/assessments.

Create a computer image each semester used in all labs throughout two campuses and 30 computer labs; image includes all the necessary software used throughout 20 computer courses.

Utilize effective classroom management skills to ensure a high-quality learning environment.

Work with individuals or small groups to present and reinforce learning concepts.

*Courses Developed and/or Taught:*

CPT 101:	Introduction to Computers	(Hybrid and 100% online)
CPT 104:	Introduction to Information Technology	(Hybrid)
CPT 170:	Microcomputer Applications	(Traditional)
CPT 172:	Microcomputer Database	(Hybrid)
IST 225:	Internet Communications	(Traditional and 100% online)
IST 226:	Internet Programming	(Traditional and Hybrid)

**Adjunct Online Faculty, Cybersecurity**

2017 – 2019

University of the Cumberlands (Williamsburg, KY)  
School of Computer and Information Sciences

Taught online, graduate-level courses on information technology and cyber security.

Designed course content for Blackboard and recorded instructional videos using Adobe Captivate and/or Camtasia.

Created numerous course assignments and assessments that measured all course learning outcomes.

*Courses Developed and Taught:*

ISOL 631:	Operations Security	(100% online)
ISOL 632:	Business Continuity Planning and Disaster Recover Planning	(100% online)

**Senior Online Instructor, Information Technology**

2012 - 2019

Stevens-Henager College (Salt Lake City, UT)  
School of Technology

Taught various computer application/web programming courses via weekly two-hour synchronous lectures using Blackboard Collaborate and/or Zoom.

Advised students on possible jobs and career paths based on their educational track.

Mentored new faculty members teaching in the web programming degree program.

Designed and implemented new curriculum courses within the web design/development track.

Served as an Interim Associate Dean of Technology working with career services and advising and provided support and guidance to computer-programming students.

*Courses Developed and/or Taught:*

MIS 550:	Systems Analysis and Design	(100% online)
MIS 570:	Management of Information Systems	(100% online)
PRG 102:	Programming and Design I	(100% online)
PRG 103:	Programming and Design II	(100% online)
PRG 111:	Web Page Programming I	(100% online)
PRG 249:	Web Page Programming II	(100% online)
PRG 250:	Web Page Programming III	(100% online)

**Instructor, Information Technology**

2011 - 2013

ITT Technical Institute (Columbia, SC)

Taught multiple face-to-face computer networking, server administration, and cyber security courses in the Associate and Bachelor level degree programs.

Collaborated with the Chair of Information Technology to improve and enhance course content to ensure the best possible student experience and increased outcome achievement.

Advised students on possible internships, career paths, and how to professionally network within the local community.

Assisted in hiring and mentoring new adjunct faculty members.

*Courses Taught:*

NT 1110:	Computer Logic and Structure	(Traditional)
NT 1210:	Introduction to Networking	(Traditional)
NT 1230:	Client-Server Networking I	(Traditional)
NT 1330:	Client-Server Networking II	(Traditional)
NT 2799:	Network Systems Capstone	(Traditional)
IS 3110:	Risk Management in IT	(Traditional)

## **Professional Positions in Academia**

**University of South Carolina**  
Columbia, SC

### **Senior Instructional Designer**

2013 - 2015

Designed, developed, and executed distributed learning delivery methods and trained faculty to make content ADA accessible.

Collaborated with faculty on course design, development, and implementation to incorporate the best practices and theories of instruction and achieve learning outcomes.

Applied Quality Matters standards to all instructional design projects.

Offered training and support to junior instructional designers on USC practices, methods, and delivery of distributed learning courses.

Designed and modified 45+ courses within various academic disciplines to help improve course curriculum and delivery by including technology-enabled assignments and learning activities.

Delivered workshops, seminars, and tutorials for faculty development in various aspects of distance learning and Web 2.0/3.0 tools.

Assisted the Center for Teaching Excellence in continuing a web presence.

Served as key figure in flipping classroom presence within the university.

### **Coordinator of Online Learning**

2012 - 2013

Pioneered online and blended academic support delivery models for the Student Success Center.

Oversaw tutoring, Supplemental Instruction (SI), academic coaching, and advising by utilizing Adobe Connect and Blackboard Learn.

Collaborated with university technology administrators and personnel to investigate and implement educational technology solutions for integration in online models.

Redesigned the Student Success Center's website into Wordpress environment and provided ongoing support and maintenance.

Generated more than eight e-learning tutorials—including Appreciative Advising Inventory, Green Zone, 35 Study Tips, LASSI Sample Description of Scales—using Adobe Captivate, Blackboard, Camtasia, and Windows Movie Maker.

Supported the Student Success Center in web presences and social media needs.

Hired, trained, and managed the summer online learning intern.

**Desktop Support Technician**

2008 - 2009

Delivered Tier 1 and 2 support to students, staff, and faculty by diagnosing computer hardware and software issues.

Assisted with a university-wide network conversion from Novell to Windows Active Directory.

Served as a project member on selecting a provider for student email, along with managing multiple undergraduate students who tested the functionality of this system.

**Augusta University**

Augusta, GA

**Instructional Systems Analyst**

2009 - 2010

Supported multiple instructional and learning systems by delivering top-level technical support to faculty, staff, and students.

Collaborated with the Senior Instructional Systems Analyst to generate daily imports and extracts within SunGard's Banner and implementing/testing required Blackboard updates.

Implemented and conducted monthly training workshops by identifying concerns from faculty members on using Blackboard, Respondus, and other technologies.

Investigated new instructional technologies and worked with project managers and other technical staff to implement these technologies within the university (e.g., Lockdown Browser).

**Professional Experience****Information Technology Trainer**

2010 - 2012

South Carolina Department of Transportation, Columbia, SC

Designed various e-learning tutorials using Camtasia for the Moodle LMS environment.

Provided training to fellow technical trainers on using Moodle LMS and creating effective online learning modules using the ADDIE model and Camtasia.

Supplied assistance to Help Desk staff during heavy call volume by gracefully resolving various hardware and software issues.

Created customized, information technology-oriented courses on various computer skills and software applications.

*Courses:*

Introduction to Keyboarding, Introduction to Computer Concepts, Introduction to Windows XP, Microsoft Access, Excel, Outlook, Word Levels I, II, III, and SCEIS.

**Entrepreneurial Experience****Ryan's IT Services**

2005 - Present

Owner

Offer various I.T. consulting, computer repair, technical assistance, and web design services to diverse clients.

Create and redesign websites for various local businesses and provide web-hosting services.

Provide on-site and remote technical support to various businesses.

Perform Hardware installation, Virus removal, Networking installation, or Database creation.

Advertise and recruit new businesses using social media, phone calls, or other mediums.

### **Educational Training**

#### Quality Matters

Quality Matters Master Reviewer Recertification	2019
Quality Matters Rubric Update Sixth Edition	2018
Quality Matters Workshop: Creating a Discussion Board Rubric	2016
Quality Matters Certified Master Reviewer	2015
Quality Matters Certified Peer Reviewer	2015
Applying the QM Rubric, Quality Matters	2013
Connecting Learning Objectives and Assessments	2013

#### Online Learning Consortium

Online Teaching Certificate in Online Design	2014
Designing a Flipped Classroom	2014
Developing Effective Presentations	2014
Developing Rubrics	2014

#### W3Schools

Certified HTML Developer	2018
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### **Memberships and Affiliations**

World Association for Academic Doctors	2018 - Present
Scholarship Committee Midlands Technical College, Columbia, SC	2016 - Present
Quality Matters Instructional Designers Association (QM IDA)	2014 - Present
Member of the Computer Science Teachers Association (CSTA)	2011 - 2018
National Information Security Group (NAISG)	2011 - 2018
Served as the program sponsor for the IT Club ITT Technical Institute, Columbia, SC	2012 - 2013

### **Article Publications**

#### **Published Articles**

Bickle, M., & Rucker, R. (2018). Student-to-student interaction: Humanizing the online classroom using technology and group assignments. *Quarterly Review of Distance Education*, 19(1), 1-11.

- Rucker, R., & Frass, L. (2017). Faculty members' perceptions of support and system usage experiences when their institution of higher education migrates from Blackboard Vista learning management systems to Desire2Learn. *Journal of Educational Technology Systems, 46*(2), 259-277.
- Frass, L., Rucker, R., & Washington, G. (2017). An overview of how four institutions prepare faculty to teach online. *Journal of Online Higher Education, (1)*1. Retrieved from <https://online-shc.com/arc/ojs/index.php/JOHE/article/view/7/5>.
- Frass, L., Rucker, R., & Brown, D. (2016). Technology in the distance education classroom: An exploratory study of a college of pharmacy. *Distance Learning, 13*(4), 17-26.
- Rucker, R., & Downey, S. (2016). Faculty technology usage resulting from institutional migration to a new learning management system. *Online Journal of Distance Learning Administration, (19)*1. Retrieved from [http://www.westga.edu/~distance/ojdla/spring191/rucker\\_downey191.html](http://www.westga.edu/~distance/ojdla/spring191/rucker_downey191.html).
- Rucker, R., Edwards, K., & Frass, L. (2015). Assessing faculty experiences with and perceptions of an internal quality assurance process for undergraduate distributed learning courses: A pilot study. *Quarterly Review of Distance Education, 16*(4), 35-44.
- Rucker, R. (2015). Exploring Faculty Use Before and After a Learning Management System Migration: A Survey Approach. Dissertation. Valdosta State University, Valdosta, GA. Retrieved from <http://hdl.handle.net/10428/1940>.

### **Conference Presentations**

- Bickle, M.C., & Rucker, R. (2017, October). Attributes contributing to satisfaction with online learning. Presented at Oktoberbest, Columbia, South Carolina.
- Bickle, M.C., & Rucker, R. (2017, September). You can run but you cannot hide: Building social presence in online learning through VoiceThread. Presented at Quality Matters QM Connect, Fort Worth, Texas.
- Bickle, M.C., & Rucker, R. (2017, June). Examination of social presence in online learning: Use of voicethread in asynchronous courses. Presented at South Carolina ReCharge, Columbia, South Carolina.
- Bickle, M.C., & Rucker, R. (2016, September). Benefits of using voicethread in distributed learning. Presented at Oktoberbest, Columbia, South Carolina.
- Frass, L., Rucker, R., & Washington, G. (2016, June). Faculty development: Preparing for the transition to online teaching. Paper presented at 2016 Distance Learning Administration Conference, Jekyll Island, Georgia.
- Brown, D., & Rucker, R. (2016, February). Renovating distance education classrooms: One classroom at a time. Presented at FantasTech Virtual Conference, Richmond, Virginia. Archived at <https://youtu.be/tXl0kkbnJqM>
- Rucker, R., & Frass, L. (2016, February). Voicethread: Generation z. Presented at FantasTech Virtual Conference, Richmond, Virginia. Archived at <http://youtu.be/TxWLCssc4vs>
- Rucker, R. (2015, November). Exploring faculty use before and after a LMS migration: A survey approach. Presented at National Distance Learning Week Conference, Aiken, South Carolina. Archived at <https://youtu.be/Arcl-0PpNls>
- Rucker, R., Edwards, K., & Frass, L. (2015, June). Implementing a standardized quality assurance metric in undergraduate distributed learning courses. Presented at 2015 Distance Learning Administration Conference, Jekyll Island, Georgia.
- Frass, L., & Rucker, R. (2015, February). Implementing quality assurance standards in higher education online courses (panel discussion). Presented at FantasTech Virtual Conference, Richmond, Virginia. Archived at [https://youtu.be/XAP58Y\\_47zU](https://youtu.be/XAP58Y_47zU)

- Rucker, R., & Frass, L. (2014, November). Creating effective and interactive adobe presenter presentations: An easy approach. Presented at National Distance Learning Week Conference, Aiken, South Carolina.
- Rucker, R. (2014, November). Building compelling voicethread assignments for generation z. Presented at National Distance Learning Week Conference, Aiken, South Carolina.
- Edwards, K., & Rucker, R. (2014, October). Game on! Playbook for a winning distributed learning course. Presented at Oktoberbest, Columbia, South Carolina.
- Rucker, R., & Bularzik, L. (2014, June). Web 2.0 for generation z: An lms approach. Presented at the Upstate Technology Conference, Greenville, South Carolina.
- Rucker, R. (2012, June). Moodle 2.0. Presented at the Upstate Technology Conference, Greenville, South Carolina.
- Anderson, R., & Rucker, R. (2010, October). Outsourcing student email: Innovative options in lean economic times. Presented at the South Carolina Educational Technology Conference, Myrtle Beach, South Carolina.
- Rucker, R. (2009, June). Using and intergrading moodle. Presented at the Upstate Technology Conference, Greenville, South Carolina.

### **Conference Proceedings**

- Bickle, M.C., & Rucker, R. (2018). Examination of course attributes that contribute to student satisfaction with online learning. In G. Naylor (Ed.), *Consumer Satisfaction, Dissatisfaction and Complaining Behavior: 2018 Annual Conference* (pp. 26-27). New York, NY. Retrieved from: <http://jcsdcb.com/index.php/JCSDCB/article/view/280>.
- Frass, L., Rucker, R., & Washington, G. (2016). Faculty development: Preparing for the transition to online teaching. In M. Clay & J. Stone (Eds.), *Distance Learning Administration: 2016 Annual Conference* (pp. 63-67). Jekyll Island, GA. Retrieved from: <https://www.westga.edu/~distance/dla/pdf/2016-DL-PROCEEDINGS-updated.pdf>

### **Invited Presentations**

- Rucker, R. (2017, April). Improving student outcomes: Developing high quality courses. Opening Keynote Speaker. Presented at the 2017 Technology in Teaching Symposium, Delta State University. Archived at <https://youtu.be/xfGsRk9yksM>
- Frass, L., Rucker, R., & Washington, G. (2017, February). Preparing faculty members to teach online: Comparing institutional processes. Presented at the 2017 Transforming the Teaching & Learning Environment virtual conference, Pennsylvania State System of Higher Education.
- Rucker, R. (2016, November). Planning course modules: Integrating backwards design. Keynote Speaker. The University of South Carolina Aiken National Distance Learning Week Virtual Conference 2016, Aiken, South Carolina. Archived at <https://breeze.sc.edu/p2kimni5owz/>
- Rucker, R. (2016, November). Changing course design: Building and ensuring quality driven courses. Keynote Speaker. The University of South Carolina Aiken National Distance Learning Week Virtual Conference 2016, Aiken, South Carolina. Archived at <https://breeze.sc.edu/p8rh99lp7lh/>
- Rucker, R. (2016, April). Building course modules: The backwards approach. Keynote Speaker. Faculty workshop at BOOST Conference, Jekyll Island, Georgia.
- Rucker, R. (2016, April). Rethinking course design: Building quality assurance courses. Keynote Speaker. Opening faculty session at BOOST Conference, Jekyll Island, Georgia.



## Service

### **Midlands Technical College**

Active member of the Scholarship Committee	2016-Present
Moderate a monthly Twitter chat (#SCEdtChat) dedicated to discussing educational technology.	2016-Present
Peer reviewer for the Journal of Online Higher Education	2016-2018
Provide subject matter expertise to the Director of Online Learning on best practices for implementation of a quality assurance rubric and review process for online courses.	2015-2018
Assisted in the development of Moodle and Joomla! Environments for BOOST grant.	2015-2016

### **George Mason University**

Serve as a Committee Member on graduate student projects/thesis.	2016-Present
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### **University of South Carolina**

Served as an evaluator for undergraduate poster presentations in computing, engineering, and information technology fields.	2014-2016
Aided grant selection committee for flipped classroom development grants.	2015
Worked as a course reviewer for the Blackboard Exemplary Course Program.	2014
Served on hiring committees for two instructional designer positions and the web/multimedia developer for The Center for Teaching Excellence	2014-2015
Volunteered to help deliver one-day camp teaching high school students how to build a computer.	2012

### **ITT Technical Institute**

Established and oversaw a student Information Technology club.	2012-2013
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## Workshops

### University of South Carolina

Presented a one-hour workshop on how to get started teaching online using a quality assurance rubric for faculty and graduate teaching assistants.	2015
Presented a one-hour workshop on using Blackboard and best practices within online teaching to College of Social Work adjunct faculty members.	2015
Presented a one-hour workshop on integrating VoiceThread assignments into the classroom for faculty and graduate teaching assistants.	2014
Co-presented and delivered a one-hour workshop during New Faculty Orientation on Online and Hybrid Teaching for faculty.	2014
Co-presented and delivered a one-hour workshop on creating SCORM based quizzes within Adobe Connect for faculty.	2014
Presented a two-hour workshop on Blackboard basics as part of BEST Institute for faculty.	2013
Created and co-presented a one-hour workshop on using Blackboard and how	2013

to be successful when taking online courses to newly admitted students in the Master of Social Work program.

Co-presented and taught workshop on best practices using Adobe Connect when delivering distributed learning courses to the Department of Women's Studies. 2013

Taught a workshop to the Student Success Center professional staff on creating e-learning tutorials and content using the ADDIE model. 2013

Created and facilitated multiple workshops to University Technology Services Helpdesk support team and other college IT personnel on preparing to migrate to Outlook Live. 2008

Invited to speak to a section of ITEC 544 (Training Systems) within the Department of Integrated Information Technology on commonly used instructional system models. 2008

Georgia Regents University 2010

Prepared and delivered multiple monthly workshops to faculty members on various tools within Blackboard Vista.

### **Awards and Honors**

2014 Two Thumbs Up Award, May 2014  
The Office of Student Disability Services, University of South Carolina

### **Personal Attributes**

Highly qualified educator with over 6 ½ years of teaching experience in online, hybrid, blended, and face-to-face courses.

Detail oriented professional with extensive senior level management experience.

Efficiently and creatively use my experience to identify ways in which students can learn and discuss material in their course.

Quality Matters Certified Master Peer Reviewer.

Expertise in establishing academic partnerships and creating and facilitating e-learning tutorials and workshops.

Apply Student-Centric Philosophy to a variety of teaching styles and adapt instruction to students with diverse learning styles.

More than ten years of experience troubleshooting computer hardware and software issues.

Ability to excel in a demanding, outcome-oriented, and dynamic work environment.

Skilled in many disciplines such as information technology, computer and web applications, education technology and information literacy.

Skilled at Web 2.0 applications, instructional design, and management.

Keen ability to partner with students to assess needs, define strengths, and identify areas needing reinforcement, and utilize specific instruction to facilitate growth and learning.

Ability to collaborate with staff and administration to achieve school and state benchmarks success.

Adept at providing students with a rigorous and challenging education to become successful professionals and life-long learners.

## Competent Subject Areas

### **Hardware & Software:**

Microsoft Office Suite and Project, Publisher, and Visio  
Windows XP, Vista, 7, 8, 10 and Mac OS X  
Microsoft Windows Server 2003-2012  
Adobe Dreamweaver  
Blackboard Collaborate  
Zoom  
Joomla!  
Microsoft Expression Web  
Notepad++  
WordPress  
Adobe Connect  
Adobe Presenter and Video Express  
Adobe Captivate  
Camtasia  
HTML5, CSS, JavaScript, XML, and VB.NET  
Reimaging computers  
Active Directory implementation  
Microsoft Visual Studio  
Remote support tools  
Network administration  
Technology implementation  
Hardware diagnostics and hardware repair  
Technical support  
Web 2.0/3.0 tools

### **Learning Management Systems:**

Blackboard  
D2L  
MyITLab  
Canvas  
LearningStudio  
Moodle

### **Subject Matter Expert:**

Information Science and Technology  
Library Science  
Information Technology  
Instructional Technology  
Information Systems  
Instructional Design  
Curriculum & Instruction  
Adult Learning Strategies  
Website Development  
Networking  
Computer Logic  
Web Page Programming  
Computer Basics  
Web Support  
Educational Research  
Internet Programming  
IT Risk Management  
Project Management  
Corporate training  
Research Methods