CURRICULUM VITAE

Marion S. Smith

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EDUCATION

INSTITUTION	DEGREE	YEAR	FIELD OF STUDY
University of Houston, College of Business Administration **Department of Decision and Information Sciences**	**Ph.D.** Operations Research and Statistics	**1991**	Major field - Operations Research and Statistics • 27 hours in applied statistics • 21 hours in management science Minor field - Computer Science – 9 Hours
		1992	3 – additional credit hours in management science
University of Houston, College of Natural Sciences and Mathematics			18 Graduate Hours Mathematics • 12 hours in mathematical statistics • 6 hours in modern algebra
University of Houston - Clear Lake		**2003 - 2010**	24 Graduate Hours MIS/Software Engineering/Computer Science/ • 6 hours in computer science • 15 hours in management information systems • 3 software engineering
Rensselaer Polytechnic Institute	**MBA**	**1977**	Business Administration
Rensselaer Polytechnic Institute	**BS**	**1977**	Applied Mathematics

A. Academic/Professional Qualifications:

Published Journal Articles: (Last 5 years)

- "Teaching coding in a virtual environment: Overcoming challenges" in Southwestern Business Administration Journal, June 2021 (with Richard Taylor).
- "Teaching coding in a virtual environment: Overcoming challenges," in Southwestern Business Administration Journal, June 2021.
- "A Note on the Regression Control Chart" in International Journal of Mathematics and Statistics Invention, May, 2021 (with Claude R. Superville)

Presentations:
- "Forecast Modeling and Quality Control of Coronavirus Cases in Harris County", Southwest Teaching conference Texas, Spring 2021.

- "Teaching coding in a virtual environment: Overcoming challenges", Southwest Teaching conference, Spring 2021.

- Modeling and Quality Control of Coronavirus Cases in Harris County, Texas, Spring 2021.

- Teaching coding in a virtual environment: Overcoming challenges, Southwest Teaching conference, Spring 2021.
- On Data analytics across the Curriculum for Business Students, Southwest Teaching conference, Fall 2018.

- Instructor as a Student – Influences on my Online course Design, Southwest Teaching conference, Fall 2016.

Reviewer:
- Reviewed the book manuscript, "Social Learning through a Participative Storytelling Framework: Rething the Essence of Course Engagement", that was under consideration for publication in the book "Shifting to Online Learning Through Faculty Collaborative Support". January, 2021, IGI Global.

- Reviewed the book manuscript, "Promoting a Collegial, Collaborative, and Innovative Teaching and Learning Environment: Real Institute's Approach to covid 19", that was under consideration for publication in the book "eLearning Engagement in a Transformative Social Learning Environment". January, 2021, IGI Global.

Teaching experience

Over the past few years, I have supplemented the courses I teach with materials and content I learn about from a variety of sources. One way I keep current in the trends in technology and the skills my students require is by enrolling in certificate programs and teaching myself the software applications that I teach to my students.

I studied and taught myself how to use the following software products in order to teach my students how to use them in technology, programming, and database courses:

- [Microsoft Visual Community](#), an integrated software development environment

- [NetBeans](#), an integrated development environment (IDE) for Java.

- [Oracle SQL Data Modeler](#), a data modeling and database design tool that provides an environment for capturing, modeling, managing, and exploiting metadata that I have used in my undergraduate database course

- [Oracle Developer](#), an Integrated development environment (IDE) for working with **SQL** in **Oracle** database that I have used in my undergraduate database course

- [PL/SQL](#), the procedural language designed specifically to execute SQL Oracle statements

- Other software data science applications I learned and taught to students in some MIS 304 courses classes include [Tableau](#), [MathLab](#), [Python](#), [RapidMiner](#) and [R](#).

In certificate programs, I learn about new technologies and the skills for required using them. For example, I have completed certificate programs with the focus on data analytics. Certificates that I have earned are:

Earned certificates:
- Technical Support Fundamentals | Google, completed March 8th, 2020
- The Bits and Bytes of computer Networking | Google, completed March 24th, 2020
- Data Analytics from Cornell University | eCornell, completed January 28th, 2020
    - Understanding and Visualizing Data
    - Implementing Scientific Decision Making
    - Using Predictive Data Analysis

- [Introduction to Data Science](#) from Microsoft | Online, completed April 11, 2019

- [The Data Scientist's Toolbox](#) from Johns Hopkins University | Online, completed September, 3, 2016

- [Accounting Analytics](#) from University of Pennsylvania | Online, completed July, 6, 2016

- [AI](#) from deeplearning.ai | Online, completed March 25, 2019

- [Machine Learning](#) from Stanford | Online, completed January, 16, 2016

I participated in SAP Boot Camp Summer 2020

I am in the process of completing a course on Data Minig with Weka with the University of Waikdato.
I am enrolled in the following courses on Coursera.org: Cloud Computing Concepts, part1, R Programming and Cloud Computing Applications.

I am a full-time faculty member and I teach management information systems and management science courses. Instructor for graduate courses Management Information Systems, C++ Programming, Java Programming,

Database Management Systems, Statistical Methods, and Special Topics in Quantitative Methods
Instructor for undergraduate courses: Hardware and Networks, Programming Concepts, Business Statistics I and II, Operations Management, Introduction to Business Government and Society and Information Technology.

I have extensive experience teaching business courses online. I believe I have unique abilities to communicate abstract concepts in statistics, programming, and database theory through the use of a video lectures, audio feedback and interactive techniques such as video conferencing and discussions.

Certifications:
Oracle Certification Program: Exam: Program with PL/SQL, April 10, 2008
Oracle Certification Program: Exam: Introduction to SQL, March 20, 2008
Microsoft Certified Systems Engineer: Dec. 03, 2001
Microsoft Certified Professional: July 30, 2001
Microsoft Authorized Instructor: Microsoft Office User Specialist: 2000
Microsoft Office User Specialist Microsoft Master: 2000

B. Peer Reviewed Publications

Submitted Papers under review

Teaching coding in a virtual environment: Overcoming challenges," in Southwestern Business Administration Journal. Submitted April, 2021

"Incorporating Online Simulated Environments into an MIS Curriculum to Accommodate for Disruptions Caused by the COVID-19 Pandemic" in Southwestern Business Administration Journal. Submitted April 2021

Book Chapters

Crawford, C. & Smith, M. S. (2011) Chapter 15: Reconceptualizing Knowledge and the Role of Learning within Open Source Distance Learning Coursework: Framing of the Open Knowledge Economy through the Open Source Distance Learning Coursework by Customized Online Learning Environments, Open Knowledge Economy and Lifelong Learning. In Crawford, C.M. An Anthology Of Education al Innovation: Digital Frameworks of Understanding.Pp.279 – 302. Champaign, Illinois, USA: Common Ground Publishing.

Refereed Book Chapters

Crawford, C. M., Dickenson, V., & Smith, M. S. (2009). Classroom-in-a-Box: Rethinking Learning Community Classroom Environment Needs within Three-Dimensional Virtual Learning Environments. In H. Song & T. Kidd Handbook of Research on Human Performance and Instructional Technology. Pp. 43-62. Hershey, PA, USA: Information Science Reference (an imprint of IGI-Global).

Crawford, C., Smith, M. S., & Dickenson, V. (2009). Yesterday, Yesterday, Today and Tomorrow's Recognition of Industry Applications within Virtual Worlds: A Meta-Analysis of Distance Learning Instructional Achievements within Virtual World Architectural Environments, and Potential Implications for Higher Education. (pp. 132-161). In H. Song (Ed.) Distance Learning Technology, Current Instruction, and the Future of Education: Applications of Today, Practices of Tomorrow. Hershey, PA, USA: Information Science Reference (an imprint of IGI-Global). DOI: 10.4018/978-1-61520-672-8.ch009

Refereed Journal Articles: International

Crawford, C. M., Bubb, T. E., & Smith, M. (2011). Evolutionary communities of learning: Designing professional academic communities of learning through interactivity, responsiveness, and flexibility while focusing upon professional identity and perspective. *Design Principles & Practices: An International Journal, v5*. Champaign, IL: Common Ground Publishing LLC.

Crawford, C. M., & Smith, M. (2007). Reconceptualizing Knowledge and the Role of Learning within Open Source Distance Learning Coursework: Framing of the Open Knowledge Economy through the Open Source Distance Learning Coursework by Customized Online Learning Environments, Open Knowledge Economy and Lifelong Learning. *The International Journal of Knowledge, Culture & Change Management, v 7* (9). Melbourne, Australia: Common Ground Publishing Pty Ltd.

Refereed Journal Articles: National

Crawford, C., Smith, R. A., & Smith, M. S. (2009). Course student satisfaction results: Differentiation between face-to-face, hybrid, and online learning environments. In J. Cassidy, S. Grote-Garcia, & P. Maxfield's *2008 CEDER Yearbook. Education for a Changing World.* (pp. 135-149). Corpus Christi, Texas: Texas A&M University-Corpus Christi.

Smith, R. A., Smith M. S., & Crawford, C. M. (2009). The Importance of Teacher Time Considerations in Applying Standards for Online Teaching and Course Design. *TCEA Educational Technology Research Symposium (3),* pp. 74-80. Austin, TX: Texas Computer Education Association.

Smith, M. S., Smith, R. A., & Crawford, C. M. (2008). Preliminary Study: The Impact of Learning Environments upon Students' Evaluations of the Instructor. *TCEA Educational Technology Research Symposium (2)*. pp. 119-128. Lancaster, Pennsylvania: Texas Computer Education Association and Pro>Active Publications.

Smith, R. A., Crawford, C. M., & Smith, M. (2007). Considerations for reconsidering research in media. *TCEA Educational Technology Research Symposium (Texas Computer Education Association, February 6, 2007, Volume 1)*. Austin, Texas: Texas Computer Education Association.

Refereed Conference Proceedings: International

Crawford, C., Smith, R. & Smith, M. (2006). Podcasting in the Learning Environment: From Podcasts for the Learning Community, Towards the Integration of Podcasts within the Elementary Learning Environment. In C. Crawford et al. (Eds.), *Proceedings of Society for Information Technology and Teacher Education International Conference 2006* (pp. 2185-2190). Chesapeake, VA: Association for the Advancement of Computing in Education (AACE).

Smith, M., Smith, R., & Crawford, C. M. (2003). Learner frustration levels within e-learning coursework. In A. Rossett (Ed.), *Proceedings of E-Learn 2003: World Conference on E-Learning in Corporate, Government, Healthcare, & Higher Education* (1189-1192). Norfolk, VA: Association for the Advancement of Computing in Education (AACE).

International Conference Presentations

Crawford, C. M., Bubb, T. E., & Smith, M. (2011). Evolutionary communities of learning: Designing professional academic communities of learning through interactivity, responsiveness, and flexibility while focusing upon professional identity and perspective. Common Ground's 5th International Conference on *Design Principles & Practices,* 2-4 February 2011, Sapienza University of Rome, Rome, Italy.

Crawford, C. M., & Smith, M. (2007). Reconceptualizing knowledge and the role of learning within open source distance learning coursework: Framing of the open knowledge economy through the open source distance learning coursework by customized online learning environments, open knowledge economy and lifelong learning. Seventh *International Conference on Knowledge, Culture and Change in Organisations*. Singapore Management University, Singapore, July 24-27, 2007.

K.V. Ramaswamy and M. Smith ,Impact of processing time and related costs on optimal lot sizing in manufacturing", , Journal of Statistics and Management Systems, Volume 7, Number 2, July 2004

The Impact of computer Resources on Business Student Overall Satisfaction, (with Steve Williams), Southwestern Business Administration Journal, August 2003.

Distance Education in the College Classroom, (with Smith, R.A.), NAAAS & Affiliates 2003 Monograph Series.

On Excess, Current and Total Life Distributions of Phase-Type Renewal Processes, (with Kao, E. P. C.). Naval Research Logistics, 39 (1992), No. 6.

On Renewal Processes Relating to Counter Models: the Case of Phase-Type Interarrival Times, (with Kao, E. P. C.). Journal of Applied Probability, 30 (1993), No. 1.

Discounted and Per Unit Costs of Product Warranty: the Case of Phase-Type Lifetimes, (with Kao, E. P. C.). Management Science, 39 (1993), No. 10.

Computational Approximations of Renewal Process Relating to a Warranty Problem: The Case of Phase-type Lifetimes (with Kao, E. P. C.) European Journal of Operational Research, 90 (1996).

Contributed Papers:

"Cost Analysis of Warranty Policies: the Case of Phase-Type Lifetimes," (with Kao, E. P. C.). TIMS/ORSA Orlando, April 1992

"On Renewal Processes Relating to Counter Models: the Case of Phase-Type Interarrival Times," (with Kao, E. P. C.). ORSA/TIMS San Francisco, Fall 1992

Invited Papers:

"Cost Analysis of Warranty Policies: The Case of Phase-Type Lifetimes" Georgia-Ann Klutke, session chair ORSA/TIMS Phoenix 1993

"Algorithms for Matrix Exponentials in Warranty and Reliability Functions" Carl M. Harris, session chair ORSA/TIMS San Francisco, Fall 1992

Published General Articles:

The Real Truth About Data Mining", M. Smith and .R. Smith, TechEdge, Volume 23, No. 4, Summer 2004

Online Teaching Made Easier, TechEdge, Summer 2003.

Hiring a Windows 2000 Administrator, TechEdge, Fall 2002.

Getting the Most Out of Technical Support, Smith, M. S. and Smith, R. A. *Electronic Education*, March 1984

"Selecting and Evaluating Computer Systems: A Guide for Educators," Smith, R. A. and Smith, M. S. *Electronic Education*, April 1982

Regional/Multistate Conference Presentations

Smith, R. A., Smith M. S., & Crawford, C. M. (3 Feb 2009). The Importance of Teacher Time Considerations in Applying Standards for Online Teaching and Course Design. *TCEA Educational Technology Research Symposium (3),* pp. 74-80. Austin, TX: Texas Computer Education Association.

Smith, M. S., Smith, R. A., & Crawford, C. M. (2008). Preliminary Study: The Impact of Learning Environments upon Students' Evaluations of the Instructor. Texas Computer Education Association

Educational Technology Research Symposium. Multiple sessions held in Austin Texas, USA, on February 5, 2008, from 2:30-3:30 pm.

Smith, R., Crawford, C. & Smith, M. (2008). Learning Environment Impact Upon Student Instructor Evaluations. Texas Distance Learning Association (TxDLA) Conference 2008. Multiple sessions held in Galveston, Texas, USA, March 27, 2008, from 8:15-9:00 am

Crawford, C. M., Smith, R. A., & Smith, M. S. (2007). Course student satisfaction results: Differentiation between face-to-face, hybrid, and online learning environments. *Fifth Annual Center for Educational Development, Evaluation and Research (CEDER) Conference*. November 30, 2007, Corpus Christi, Texas, United States of America.

Smith, R. A., Crawford, C. M., & Smith, M. (2007). Considerations for reconsidering research in media. *TCEA Educational Technology Research Symposium 2007*. February 6, 2007, Austin, Texas, United States of America.

Smith, M. S., Crawford, C. M., & Smith, R. A. (2007). The impact of course delivery systems upon student's evaluations of the instructor. *Fifteenth Annual Southwestern Business Administration Teaching Conference*. October 24-26, 2007, Houston, Texas, United States of America.

Find Success as a Distance Learning Student, Texas Computer Education Assoc. (TCEA), February 11, 2005

Teaching Relational Database Concepts with Microsoft Access, Southwestern Business Administration Teaching Conference, October 21, 2004

Microsoft Access – Step by Step, TCEA IV, October 16, 2004

Succeeding as a Distance Learning Student, NECC, June 2004

On-line Teaching Made Easier, TCEA 2004 Convention and Exposition February 2-6, 2004

Learner Frustration Levels Within eLearning Coursework, 8th Annual E-Learning World Conference on E-Learning, November 2003.

The Hidden but Remarkably Useful Features of Microsoft Office XP, (with Smith, R.A.), NECC, June 2003

Distance Education in the College Classroom, (with Smith, R.A.), National Conferences of the National Association of African American Studies, National Association of Native American Studies and the International Association of Asian Studies (Houston, February 17-22, 2003).

The Use of current Periodicals in An Undergraduate MIS Course, Southwestern Business Administration Teaching Conference, October 2000

A New User Perspective of Blackboard - a Web-Based Course Management System, Southwestern Business Administration Teaching Conference, October 1999

Other Professional Activities

- **Proposal Reviewer -** Fund for the Improvement of Postsecondary Education (FIPSE), US Department of Education, March 4-5, 2003
- AACSB Assessment Seminar, Spring 2004
- Reviewed and edited a statistical glossary for the North Central Education Laboratory, March, 2003
- Reviewed and edited abstracts of original research included in the meta-analysis of the effectiveness of technology on teaching and learning by Waxam, Lin and Michko (2203) for the North Central Education Laboratory, March 2004.
- Houston Area League of PC Users Help Committee, 1999 – 2001
- Reviewed a new text, *BDT*, for McGraw-Hill Higher Education, winter 2003
- Reviewed a revision to the text, *Management Information Systems,* for McGraw-Hill Higher Education winter 2004.
- AACSB Outcome Assessment Seminar, February 1999

C. University Service

Current

- Interim Chair TSU IRB Committee
- Chair Departmental AOL Committee
- BADM Grievance

Past - A variety of committees over the years

- Departmental Chair Search
- University ad hoc 2011
- Graduate Studies Committee,
- Curriculum Committee

D. Community Service

Maplewood West Civil Association
- Auditor 2019, 2015
- Board Member – 2013
- Newsletter editor 2012, Street
- Block Caption Coordinator 2007 – 2015

Jewish Family Service
- Board Member 2015