

David E. Douglas
University Professor and Director, Enterprise Systems
Information Systems Department
Sam M. Walton College of Business
University of Arkansas
WCOB 225: ddouglas@walton.uark.edu

Administrative

Department Chair (1985 to 1998) — provided leadership initiative that led to the strong information systems program that exists today in the Sam M. Walton College of Business at the University of Arkansas including starting the doctoral program in 1988; interaction with industry produced significant computing resource—hardware and software— for educating students in preparation for their careers.

Director, Enterprise Systems

The enterprise team has been instrumental in moving the Enterprise Systems forward. External users are shown below.

Number of faculty	USA universities	International universities	Number of students
471	329	73	1941

Teaching Honors and Awards

- University Professor — appointed in recognition of exceptional teaching contributions and professional commitment (2006)
- International Computer Educator of the Year — awarded by International Association for Computer Information Systems (2001)
- IBM International Professor of the Month (September, 2008)
- “Make a Difference in Student’s College Career” — received 3 in 2008 via Vice Chancellor for Student Affairs

Teaching Grants

- IBM Faculty Award — funded by IBM, \$30,000, August 2007
- IBM Faculty Award (co-principal investigator) — funded by IBM, \$32,500, December 2007
- SAP Faculty Development Grant
SAP Netweaver Business Intelligence Infrastructure and Courseware Module Development — funded by SAP Academic Alliance, \$36,600, December 2007
- NSF award (co-principal investigator) — Enterprise Computing Community, Fall 2008
- NSF award (co-principal investigator) — Enterprise Computing Community, Fall 2009

Working with Industry

I have been instrumental in the acquisition of enterprise systems for classroom use. Through my interaction with industry, I have obtained significant computing resources, hardware and software, for educating students in preparation for their careers.

○ Microsoft Enterprise Consortium (2007 over 3 years)	\$275,000
○ Tyson Foods (2007)	\$75,000
○ 2007-08 IBM Faculty Award	\$30,000
○ IBM z900+software (2007 over 5 years)	\$25.5 million
○ IBM software (2005 for five years)	\$7 million
○ IBM Integrated Facility for Linux (IFL)for z890	\$125,000
○ NCR Teradata 5251 (2005)	\$1 million
○ NCR Maintenance & software (from 2005)	\$90,000 annually
○ NCR Teradata (2000)	\$7 million
○ IBM S/390 (2000)	\$1.5 million
○ IBM mainframe software (2000-2005)	\$1 million annually
○ Enterprise Support Money (average from 2000)	\$50, 000 annually
○ Large retail data set from Dillards, Wal-Mart	

Teaching and Learning

Teaching, as well as research, spans a variety of areas — for example, database management, data warehousing/data mining, e-commerce, distance education. Teaching over the past few years includes 5 to 7 different courses per year. The courses are:

Fall Semesters

Business Intelligence/Knowledge Management — graduate course

Introduction to Enterprise Servers (System z) — graduate course

Spring Semesters

E-Commerce Development — graduate course

Enterprise Transaction Systems — graduate course

Data Mining/Knowledge Management — undergraduate course

Summer Semesters

Decision Models — undergraduate study abroad course taught in Greece

Global Information Technology Seminar — graduate course

The graduate classes average 20 students and the undergraduate classes average 25 students. Teaching evaluations range from 4.1 to 4.9 on a 0 to 5 scale with 5 being better.

I developed the five graduate courses and have been the only faculty member to teach these courses. I also developed the undergraduate Business Intelligence/Knowledge Management course. Creation of the course materials for these courses has a major intersection with Enterprise Systems.

Published Enterprise Systems Instructional Software

Lead development of instructional software “Walton College Enterprise Course Modules” which is published on the Walton College Enterprise Systems Website (2008). The downloadable modules are on the Enterprise Website as part of four Enterprise hubs:

- Microsoft Enterprise Consortium
- SAP University Alliance
- Teradata University Network
- IBM Academic Initiative)

Teaching Related Presentations and Publications — selected recent

- Invited Speaker — Texas State University, San Marcos, TX (April 2007)
Presentation on the UA Enterprise Curriculum, particularly the ERP courses at both the graduate and undergraduate level. Discussion and demonstrations included SAP BW, large datasets via Teradata and course materials developed at the UA for the ERP courses.
- Invited Speaker — IBM SHARE Conference (February 2007)
Fulfilling the Challenge on Education
- Invited Speaker for IBM's System and Technology Group Senior Leadership Meeting (January 2007)

Cronan, T. P. and Douglas, D. E. (forthcoming), "Business Intelligence via SAP's BEx Analyzer", Workshop on Information Technology and Systems, Phoenix, AZ, (December 2009).

Douglas, D. E. and Resnik, D., Academic Initiative — Addressing Critical Skill Requirements, IBM Systems z Premier event, Colorado Springs, CO (August 2009).

Davis, C. and Douglas, D. E., "Enterprise Computing: Bridging the gap to Generation-Y with RDz and zLinux Web", Enterprise Computing Community Conference (NSF sponsored program), Poughkeepsie NY (June 2009).

Davis, C. and Douglas, D. E., presented ½ day seminar for IBM's Summer Faculty program, Poughkeepsie, NY (June 2009).

Cronan, P. and Douglas, D. E., Visits with various units at Vietnam National University to attract doctoral students and establish a formal Master's program, Ho Chi Ming City, Vietnam (August 29-September 5, 2008).

Cronan, P. and Douglas, D. E., "Enterprise Resources, Data Mining, and Business Intelligence", (invited presentation) Instituto Tecnológico y de Estudios Superiores de Monterrey, Monterrey Institute of Technology, Monterrey, Mexico, (July 2008).

Novell — University of Arkansas Success Story, http://www.novell.com/success/univ_arkansas.html (2008).

TargetTech — "SUSE Linux-on-IBM-loaned mainframe becomes teaching ground," http://searchenterpriselinux.techtarget.com/news/article/0,289142,sid39_gci1327045,00.html (August 26, 2008).

Cronan, P. and Douglas, D. E., "Data Mining and Decision Making", *Proceedings of Accounting Information Systems (AIS) Educators*, Colorado Springs, CO (June 2008).

Cronan, P., Douglas, D. E., and Davis, C., "Utilizing Large Datasets for Non-ISYS Majors; Integrating Business Intelligence, Enterprise Portals, and Data Mining", *Proceedings of SAP Curriculum Congress*, Atlanta, GA (February 2008).

Cronan, P. and Douglas, D. E., "Enterprise Systems and Large Datasets Workshop: Preparing the Next Generation of Knowledge Workers", *HICSS Proceedings*, Kona, HI (January 2008).

Douglas, D. E., "Innovative Use of Large Datasets in the Classroom: 'Hands On' Decision Making Applications", Decision Sciences Institute Annual Conference, Phoenix, AZ (November 2007).

Douglas, D. E., "Microsoft Enterprise Consortium", Microsoft Academic Days Conference, Microsoft Corporation and Association for Information Systems, Orlando, FL (November 2007).

Cronan, T. P. and Douglas, D. E., A Proposed IT Ethical Behavioral Model. Chapter in the following text that is published both in the US and UK. *End User Computing Challenges and Technologies: Emerging Tools and Applications* (ISBN: 978-1-59904-295-4 h/c), edited by Clarke, S. (2007).

Douglas, D. E., Cronan, P., and Behel, J. D., "Equity Perceptions as a Deterrent to Software Piracy Behavior", *Information and Management*, Volume 44 (2007), 503-512.

Douglas, D. E., Cronan, P., and Thanopoulos, J., "Ethical Decisions – How Do U.S. and Greek Business Students Compare", *Proceedings of Association for Global Business*, San Diego, CA (November 2006).

Douglas, D. E., Presentation/demonstration on IBM's Academic Initiative and Teradata University Network (TUN), Decision Sciences Annual Meeting, San Antonio, TX. (November 2006).

Douglas, D. E. and Jones, T. W., "How Do Students Perceive Product, Service, Quality, Fear, and Barriers with Respect to Deming's 14 points?", *Proceedings of 35th Annual Meeting of the Western Decision Sciences Institute*, Waikoloa, HI (April 2006).

Douglas, D. E., Cronan, P., Davis, C., Gardiner, L., and Mensching, J., "Utilizing SAP BW and Large Scale Datasets in the Classroom, Perspectives from Faculty", *Proceedings of SAP Curriculum Congress*, Dallas, TX (March 2006).

Cronan, T. P. and Douglas, D. E., "Information Technology Ethical Behavior: Toward a Comprehensive Ethical Behavioral Model", *Journal of Organizational and End User Computing*, 18(1) (2005), pp i – xi.

Thanopoulos, J. and Douglas, D. E., "A Comparative Look at Undergraduate Business Education: Greece vs. the United States", *Proceedings of Association for Global Business*, Miami Beach, FL (November 2005).

Douglas, D. E., Cronan, T. P., and Ali, J. M., "A Comparison of English Versus Arabic for a Software Piracy Instrument", *Issues in Information Systems*, Volume V, No. 1 (2004).

Douglas, D. E. and Van der Vyver, G., "Effectiveness of E-Learning Course Materials for Learning Database Management Systems: An Experimental Investigation", *Journal of Computer Information Systems*, Volume XLIV, Number 4 (Summer 2004).

Douglas, D. E., Jones, T. W., and Pinney, W. E., "Students' Perceptions of Degree of Implementation of TQM Practices at one AACSB Accredited College", *Proceedings 7th International Conference of the Decision Sciences Institute*, Shanghai, China (July 2003).