

**TED BOONE**

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**Areas of Interest**

Teaching: Information Systems, Decision Support Systems, Operations Management, Statistics

**Education**

Pennsylvania State University	M.S. Management Science	2000
University of Delaware	MBA Operations Management	1994
University of Delaware	B.S. Operations Management	1993

**Societal Impact Statement**

As a senior lecturer, I primarily impact society via my work in the classroom at Texas A&M. All my courses are skills-based, where students learn to manipulate complicated technology, design human interfaces, manipulate large datasets, and interpret information for presentation in a usable, simple-to-understand format.

My goal in the classroom is to encourage students to explore, experiment, and learn through trial & error. I give my students many opportunities to investigate real-world examples of current approached to technological solutions in industry and academia. I foster group-based activities, so that students learn how to succeed via teamwork. I invite students to visit regularly with me to discuss their progress and comprehension and explore how their interests will lead them to possible career paths.

I always stress the need to take responsibility for one's own actions, whether that means managing your studying time, submitting quality work, asking for help when you need it, or abiding by our Honor Code. Many students find my courses challenging, but rewarding, and find the material they learn very useful during their subsequent courses, internships, and careers.

## **Awards**

Graduate Student Teaching Award, Penn State 1999

## **Academic Work Experience**

Instructor, Mays Business School, Texas A&M University 2011-present

Teach courses in programming, networking, and supply chain management.

Instructor, KU School of Business, University of Kansas 2005-2011

Teach undergraduate courses in Information Systems. Class format is large lecture (400+ students) combined with weekly computer lab sessions. Manage 10-12 TAs that facilitate lab learning and grading. Also teach Statistics with an average of 90 students. Detailed course descriptions provided below.

Director, KU Business Minor Program, University of Kansas 2006-2011

The Business Minor Program serves students from a variety of majors across campus and provides a core understanding of common business practices like management, marketing and decision making. Actively engage with current students and faculty, setting curriculum requirements, course content, and credit transfers. Act as liaison with other KU colleges to ensure program satisfies their students' needs. The program, which began in the Fall of 2006, now has over 600 students enrolled and is still growing rapidly.

Instructor, Business School, College of William & Mary 2002-2005

Taught Information Technology courses in the undergraduate, Masters of Accounting, and MBA programs. Topics included: linear programming, computer simulation, decision analysis, decision support systems, Excel, Access, VBA, web design and web-based data collection.

Instructor, MS&IS Department, Pennsylvania State University 1998-2002

Worked as an instructor, teaching a variety of courses in Management Science & Information Systems and Operations & Information Systems Management. Designed Introduction to MS&IS course for incoming juniors, and redesigned Decision Support Systems, the MS&IS capstone course for graduating seniors.

Lecturer, Operations Management Department, University of Delaware 1995-1997

Taught Introductory and Advanced Operations Management courses. Focused primarily on night-time courses, which consisted of a mix of full-time and part-time students. Advised Operations Management majors in career choices and academic progress.

## **Industry Work Experience**

Computer Consultant, Partners Plus 1996-1997

Consulted in small computer support company, aiding 50+ clients in the Philadelphia area. Set up Novell, NT, and Unix servers, installed computer networks (including servers, hubs, and cabling), performed user troubleshooting and user training.

August 1, 2023

Development Systems Associate, Zeneca Pharmaceuticals 1995-1996

Worked in Development Systems department providing computer support for drug development division. Participated in rollout of 100+ new PCs for conversion to Windows95 operating system. Designed new computer-based scheduling system for drug Pilot Plant in Newark, DE, and headed computer support department at that site.

**Non-Profit Experience**

Lawrence Jayhawk Kennel Club 2008-2011

Designed and launched an online obedience class enrollment system. Organized class scheduling. Train basic obedience classes. Served as a board member from 2010-2011.

Lawrence Humane Society 2005-2006

Redesigned donor and pet adoption database. Converted old data structure to new program.

Heritage Humane Society 2003-2005

Designed and implemented database solution for donor and pet adoption services. Generated computer records for financial and tax reporting. Served as a board member from 2004-2005.

## **Description of Courses**

### ***Texas A&M:***

#### **Intermediate Business Statistics**

Selected topics in statistical analysis; practical applications to functional problems in accounting, finance, marketing, and management; applications of existing computer programs minimize computations.

#### **Business Database Systems**

Information processing and management involving applications and user orientation in a business environment using commercially available database management systems. Prerequisite: Knowledge of one programming language.

#### **Programming Logic & Design**

Introduce structured and object-oriented programming logic and design skills to be used in solving business programming problems using Visual Basic. Encourage proper technique and logical thinking.

#### **Data Communications & Networking**

Provide a basic understanding of the technical and management aspects of computer networking and security. Build on the knowledge and skills acquired in prior IS courses regarding information technology and its applications.

#### **Introduction to Enterprise Resource Planning**

Provide with a thorough understanding of both the role that Enterprise Resource Planning Systems (ERPs) play in an organization and the challenging task of managing the Information Systems (IS) function, using the SAP ECC system to explore the interaction among the different business processes.

#### **Foundations of Data Analytics for Non-MIS Majors**

This course provides students with some foundational skills for working in the field of data analytics. These skills include conceptual and logical data modeling, Structured Query Language (SQL) programming (including Data Definition Language (DDL), Data Manipulation Language (DML), and Data Control Language (DCL)) used to build and query databases. At the completion of the course, successful students will be able to use conceptual (Entity Relationship Diagrams) and logical (relational schema) modeling techniques to effectively model the data needs of a given organization and use software to create data visualizations to present data in such a way as to better understand business problems.

### ***University of Kansas:***

#### **Introduction to Information Systems (Undergraduate)**

The course is designed as an introductory course in information systems. We will emphasize when and how information systems are used in organizations to solve a variety of business problems. The course focuses on understanding of the principles and components of information systems, and how those components meet organizational and business needs. We also focus on building practical skills in Microsoft Excel & Access.

### **Introduction to Statistics (Undergraduate)**

An introduction to statistical inference techniques with emphasis on the application of these techniques to decision making in a firm. Topics include probability theory, random variables, probability distribution functions, estimation, test of hypothesis, regression, correlation, and introduction to statistical process control.

### **Database Management (Undergraduate & Graduate)**

This class introduces students to a range of topics related to databases and database management. Topics include: the nature of databases, process modeling and database development, structured query language, and specialized database applications. Upon completion of the course, the student should be able to effectively and accurately design a database model using generally accepted conventions and implement their model in MS-Access.

### ***College of William & Mary:***

### **Computer Skills for Business (Undergraduate)**

The purpose of this course is to help prepare you to use the computer as an integral part of your business education. Each class will consist of explanatory lectures followed by a series of application examples. These examples are drawn from Finance, Information technology, and Marketing, and will relate directly to material covered in your core business classes.

### **Introduction to Operations Technology (Undergraduate)**

Operations Management (OPMAN) is devoted to an organization's conversion of resources-- creation of products and services. These resources include an organization's facilities, workforce, equipment, information, materials, and their relationships with their trading partners. OPMAN decision-making and problems exist at all levels of the organization – from the long-term (strategic) to day-to-day operations (tactical & operational).

### **Introduction to Information Technology (Undergraduate)**

The course examines the role of information systems (IS) in supporting organizational activities and the technical and managerial issues that surround the development and implementation of information technologies in organizations. Students analyze several emerging technologies that are essential to the "information literacy" of the general manager. The perspective is cross-functional in recognizing the integrative role of technology across business processes.

### **Programming for Business Using Visual Basic (Undergraduate and Graduate)**

This course is an introductory course in computer programming intended for business students with little or no programming experience. The course introduces basic principles of computer programming using the Visual Basic.Net programming language; specific topics include the architecture of Windows applications, control structures, arrays, functions, object-oriented programming, Visual Basic.Net class libraries, and event-driven programming.

**Accounting Information Systems (Masters of Accounting Class)**

The focus of this course will be on the design of management information systems to facilitate the answering of business questions. Students spend time during the semester learning some of the basic technology tools available to the user, including web authoring, data analysis, and user-interface design. The class then uses these tools on real-world examples, to gain some understanding about the many aspects of management information systems: data validation, user control, modularity, flexibility, expandability, etc.

**Management of Information Systems (Evening MBA Class)**

This course will focus on three major goals: an introduction to Information Technology/Information Systems and its uses, an introduction to Information Technology Policy at a national, international, and corporate level, and an introduction to the use of Information Technology tools (decision support modeling) using Microsoft Excel. The course uses case studies and practical examples to explore the use of technology in the contemporary business environment.