

**FALL 2014  
SPECIAL TOPICS TO CONSIDER**

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**CS799 Network and Systems Security**

*Pre-requisites(s): CS607*

*Note: This course may be used as a CS elective in the MSIT or MSMBA Program or as an Information Systems Technology Concentration elective in the MBA.*

**Course Description**

This course provides a technical focus on information, computer and network security, which together form the basis for securing enterprise systems and services. It introduces what enterprise security means, both in the abstract and in the context of real-world information systems. Students learn relevant security issues, technologies and approaches found in the post-Internet enterprise. Students recognize and understand threats to confidentiality, integrity and availability as well as best-practices to defend against such threats.

**Course Instructor:** David Yates

David's research areas include computer networking, data communications, sensor networks, embedded systems, operating systems, and computer architecture. Before joining Bentley, David held research and academic positions at the University of Massachusetts and Boston University. In the corporate arena, he was a co-founder and vice president of software development at InfoLibria – a startup that grew to become a leading provider of hardware and software for building secure content distribution and delivery networks before it was acquired. He holds several U.S. patents for processes and systems related to computer networking, content management, and mobile computing. He holds a PhD and MSc from the University of Massachusetts and a BSc from Tufts University.

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**HF755: Special Topics in HFID: Designing for Mobile**

*Pre-requisite(s): MSHFID Program Director approval required for all students except MSHFID or MSIT or MSMBA.*

*Note: This course may be used as an HFID elective in the MSHFID, MSIT or MSMBA program.*

**Course Description**

Designing great products is about "informed problem solving". By informed, I mean informed by customers -- what they do, what they need and how they interact. With the massive growth in smart phone and tablet usage, it's important to think about how we adapt our approach to design for these devices. Smart phones and tablets offer new capabilities. The way humans interact with them is different in our ability to use touch, gestures, other forms of input such as images and voice. This

course explores how the research and design process changes to enable us to create the best mobile products for our customers. Students will gain a deeper knowledge of what designing for mobile means, how is it different from designing for computers, and how is it the same. They will also understand what “Mobile First” means, versus Multi-screen and what's the best design strategy to take for your users.

**Course Instructor:** Dr. Elissa Darnell

This course is part of the California Extension Program. HFID students who are not participants in the California program, and who can fly out to San Francisco for classes may request written approval from Program Director William Gribbons to enroll in this course. Course meets 5 days: Fri, Sat & Sun, November 7, 8 & 9, 9am-5pm followed by Fri & Sat, December 5 & 6, 9am-5pm.

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### **MG 755 Special Topics in Management: Corporate Governance**

*Pre-requisite(s):* None

*Note: This course may be used as a Management Concentration elective in the MBA. It may also be used as an MBA unrestricted elective or an outside elective for certain MS degree programs.*

#### Course Description

This course explores critical issues in corporate governance, which involves the systems, rules and processes by which corporate activity is directed. It analyzes the relationships among management, the board of directors and the shareholders. It also addresses company relationships with its stakeholders more broadly, including employees, customers, suppliers, the communities in which it operates, and society, more generally. The growing and changing roles of institutional investors and activist shareholders are explored, as are the impacts of regulations such as Sarbanes-Oxley and Dodd-Frank on issues including executive compensation, succession planning and risk management. A variety of corporate scandals (e.g., Enron, WorldCom, AIG, Boeing, Bear Sterns, Lehman Brothers) are analyzed to see what lessons can be learned to improve governance in the boardroom. While the primary focus of the course is on U.S. public companies, significant attention is paid to key corporate governance issues in other countries, especially those in Europe and Asia. The course also addresses the similarities and differences of governance of public companies relative to private companies, including start-ups and mutual funds.

Guest speakers will come to class to talk about their experiences as a board member, institutional investor, or corporate executive.

**Course Instructor:** Patricia Flynn

Patricia M. Flynn, PhD., Trustee Professor of Economics and Management has served on a variety of public and private boards. Professor Flynn is a frequent speaker on board composition and on the roles

and responsibilities of corporate and mutual fund directors. Professor Flynn served as Dean of the McCallum Graduate School of Business from 1992 to 2002. Please email Professor Flynn ([pflynn@bentley.edu](mailto:pflynn@bentley.edu)) with any questions you have regarding the course.