INFORMATION SYSTEMS (INSS)

Courses

INSS 605 IT FOR BUSINESS TRANSFORMATION (3)

Examines the key roles that information systems and technologies play in the current business environment as well as the disruptive and innovative nature of information systems in promoting the fundamental transformation of industries, businesses, and society. Covers current major issues in the field of management of information systems, such as social computing, cybersecurity, big data and mobile technologies. Prerequisites: graduate standing, computer literacy.

INSS 650 NETWORKING AND TELECOMMUNICATIONS (3)

Provides a solid understanding of fundamentals as well as the state-of-the-art of networks and telecommunications used in business. Topics include communications layers and architectures, physical and data link layer, network and transport layer, local area networks (LANs), local internets, wireless LANs, backbone networks, virtual LANs, collapsed backbones, telephone service, voice-over IP, wide area networks, packet switching concepts, frame relay, ATM, VPN, Internet infrastructure (NAPs, MAEs and backbone), network management and infrastructure security. This course focuses on the TCP/IP architecture, but the OSI model is presented and discussed. It also covers Microsoft Windows networking TCP/IP concepts including architecture, fixed and dynamic IP addresses, subnet mask calculation, NetBIOS Resolution, IP routing and resolution, and DHCP and DNS services. Prerequisite: INSS 640. University of Baltimore course provided as part of the joint Accounting and Business Advisory Program.

INSS 651 DATABASE MANAGEMENT SYSTEMS (3)

Examines the theories and concepts employed in database management systems (DBMS) and the efficiencies and economics of such systems. The course specifically addresses steps in the database cycle including normalization, database design, implementation, and developing queries using SQL. The functions of various types of DBMS are described, including their purpose, advantages, disadvantages and applications in business. Data administration, data requirements for ERP systems and data security issues are also covered. Prerequisite: INSS 640. University of Baltimore course provided as part of the joint Accounting and Business Advisory Program.

INSS 701 INTERNET DEVELOPMENT IN BUSINESS (3)

Covers the issues involved with managing an organizations's web site. Issues include content management, scalability, security, reliability and usability. Topics will include tools and techniques for developing and managing large-scale web sites, such as Dreamweaver, Cold Fusion and SML. Prerequisites: Graduate Status and computer browser and network literacy. University of Baltimore course provided as part of the joint Accounting and Business Advisory Program.