



Graduate School of Business

COURSE TITLE: Emerging Technologies and Strategies

COURSE NUMBER: MBA 612

CREDIT HOURS: 3

DATE OF LAST REVISION: 18 August 2005

EFFECTIVE DATE OF THIS REVISION: Fall 2005

COURSE TIME: Thursday 5:45 PM

CATALOG DESCRIPTION: Emerging Technologies is much more than just the web. Companies have (sprung up and withered) (spawned and floundered) in the internet era. This course introduces students to a variety of new technologies. Techniques for evaluating and integrating new technologies are also covered. Students will learn key technology strategies such whether to Buy or Build, in-source or outsource, how to connect internet interfaces to legacy systems, and the selection of an integrated solution versus a best of breed solution. Course will be dynamic and include current topics of the day.

MAJOR COURSE LEARNING OBJECTIVES:

This course will examine technologies that have emerged in the past ten years and how the technologies have affected the business and economic environment for the 21st century. Students will also research technologies on the horizon and study the possible impact for business.

REQUIRED TEXTS/CURRICULUM MATERIALS:

Management Information Systems for the Information Age, Stephen Haag, Maeve Cummings, Donald J. McCubbrey, Katherine J. Wrightson, 4th ed, **ISBN:** 0072819472

ACADEMIC HONESTY STATEMENT:

The University is committed to academic integrity in all its practices. The faculty value intellectual integrity and a high standard of academic conduct. Activities that violate academic integrity undermine the quality and diminish the value of educational achievement.

Cheating on papers, tests or other academic works is a violation of University rules. No student shall engage in behavior that, in the judgment of the instructor of the class, may be construed as cheating. This may include, but is not limited to, plagiarism or other forms of academic dishonesty such as the acquisition without permission of tests or other academic materials and/or distribution of these materials and other academic work. This includes students who aid and abet as well as those who attempt such behavior.

ADA STATEMENT:

University of Indianapolis seeks to provide effective services and accommodations for qualified individuals with documented disabilities. If you need an accommodation because of a documented disability, you are encouraged to contact the appropriate University department.

METHOD(S) OF INSTRUCTIONAL DELIVERY:

This course will be presented as on campus classroom lecture.

METHOD(S) OF EVALUATION:

Mid-term 100

Final 100

Research Project Document 100

Research Project Seminar 100 points

3 Quizzes 150 (4 quizzes will be given and the lowest score will be dropped. No make up quizzes)

Participation 50

Total Points 600

Research Project Topics:

- Elearning software
- Online Universities
- What is XML
- RFID (applications, social issues)
- Copyrights and digital media
- The Newest PC Hardware Trends and Technology
- Human/Machine Interface
- Mobile Access to Information: Wearable and Context Aware Computers
- Wi-Fi Security
- The Rapid Rise of Consumer Health Electronics
- Bluetooth Technology
- The New Digital Media Services
- Privacy in an Electronic World
- Tablet PCs
- Telematics: wireless-enabled communications between a vehicle or piece of equipment
- ThinNet Client Computers
- The Current State of PC Memory
- Web Portals
- Fighting Ad Software (Adware)
- Remote wireless heart monitors
- Spydgers and Bots: How they work
- The History of Google
- Military use of GPS

MAKE-UP POLICY:

No late assignments will be accepted unless a valid emergency is documented.

GRADING SCALE:

95% - 100 = A
90% - 94% = A-
87% - 89% = B+
84% - 86% = B
80% - 83% = B-
75% - 79% = C+
70% - 74% = C
60% - 69% = C-
below 60% = F

ATTENDANCE POLICY:

Attendance to each class session is recommended. A large portion of the material to be learned in this course is from lecture. If you miss a class the lecture will not be repeated and special one-on-one tutoring will not be used to accommodate those who miss lectures.

Emerging Technologies Course Outline**Week 1 September 1**

Course Introduction
The Purpose for Technology in Business
Competitive advantage
Globalization

Study References:

Text Chapter 1

<http://www.globalization.com/>

<http://www.emory.edu/SOC/globalization/>

Week 2 September 8

Economic impact of the Internet
Internet software technology
 Intranets
 Html
 Xml
 Etc

Study References:

Text – see index for Intranets

<http://www.sosig.ac.uk/iriss/papers/paper18.htm>

http://business.cisco.com/prod/tree.taf%3Fasset_id=83475&ID=44747&ListID=44752&public_view=true&kbns=1.html

Assignment:

Internet economic impact research paper. 100 points

Week 3 September 15

Internet hardware technology

Web servers

Mail servers

Wireless

Study References:

Text Chapter 5

Week 4 September 22

Networking Concepts

The Internet

E-Business and E-Commerce

VPN

Quiz 1

Study References:

Text Chapter 5

Week 5 September 29

Networking Concepts II

The Internet

E-Business and E-Commerce

EDI

Study References:

Text Chapter 5

Week 6 October 6

Application Service Providers

Study References

Text Chapter 7

Quiz 2

Assignment:

Research project Topics – Internet security, ASPs, AI, JAD, Virtual Reality, others

Document 100 points

Presentation on week 15

Week 7 October 13

Software Concepts
Object Oriented Design

Study References

Text Extended Learning Module G

October 20

Fall Break No Class

Week 9 October 27

Mid-Term 100

Week 10 November 3

Software Concepts
SDLC
RAD
JAD

Study References

Text Chapter 6

Week 11 November 10

Technology Security
Quiz 3

Study References

Text Chapter 8

Week 12 November 17

Databases, Data Mining

Study References

Text Chapter 3

Week 13 December 1

Decision Support and AI

Study References

Text Chapter 4
Trends and Technologies
Quiz 4

Study References

Text Chapter 9

Week 13 December 8

Computer Crime

Study References

Text Extended Learning Module H

Research Project Presentations 100 points

Week 14 December 15

Research Project Presentations 100 points

Final Exam