Business Concepts

Technology-oriented students need to understand fundamental business concepts...

“I can program, develop, etc. but that does not mean much when there is a huge jargon barrier. Finance people do not think in variables and methods!”
Building a bridge with ERP

Enterprise Resource Planning (ERP) systems—

To understand ERP systems:
   Must understand CS topics like data warehousing, data integrity, requirements management, process modeling, system administration, etc.
   Must understand fundamental business processes.

Fundamentals of Business IS

Description

...an overview of information systems in a modern organization and their strategic importance in supporting business processes.
The rationale for business computing is presented, along with the underlying business concepts needed to understand and guide system implementation.
Course Structure

Simulating organization information handling

Fundamentals of Business IS

Course Topics:
• Fundamental Accounting Concepts and Terminology
• Business Functions and Business Processes
• Working with ERP systems
• Marketing Information Systems
• Production and Supply Chain Management Information Systems
• ERP Development and Implementation

Outcomes
Reinforce teamwork concept and skills.
Expose to business concepts in the context of computing.
Illustrate strategic business computing and overall value to organization.
Understand and practice realistic interlocking business processes and information exchange.
Course Goals

Present fundamental Enterprise Resource Planning (ERP) concepts.
Discuss business concepts and strategies as they relate to ERP implementation and use.
Provide experience using ERP for business decision making and execution.

ERPsim

Show how ERP systems support business strategies
Develop hands-on understanding of concepts underlying ERP
Experience tangible benefits of enterprise integration firsthand
Develop technical skills at making decisions using an enterprise software system
Why learn business concepts?

Our Focus

Accounting concepts
Managerial concepts
Marketing concepts
IT concepts
Things you need to know

Course Syllabus
Course Policies
Assignments:
  - Stay current in reading
  - Participate actively in team project
  - Keep up with reporting

What is Enterprise Resource Planning (ERP)?

*Based on ERP: Making it Happen* by Wallace and Kremzar
Who makes ERP software?

- SAP
- Oracle Applications
- Microsoft Business Solutions
- The Sage Group
- Infor Global Solutions
- Various other companies that focus on industry-specific niches (Sungard, et al)

Why study ERP?

Job Opportunities

- System Management/Administration
- Development (Configuration, Customization, Interfacing)
- Business Intelligence
- High demand field. Shortage of workers.

Transferrable experience

- Large scale application