



**ACS-1803**  
**Introduction to Information  
Systems**

Instructor: Kevin Robertson

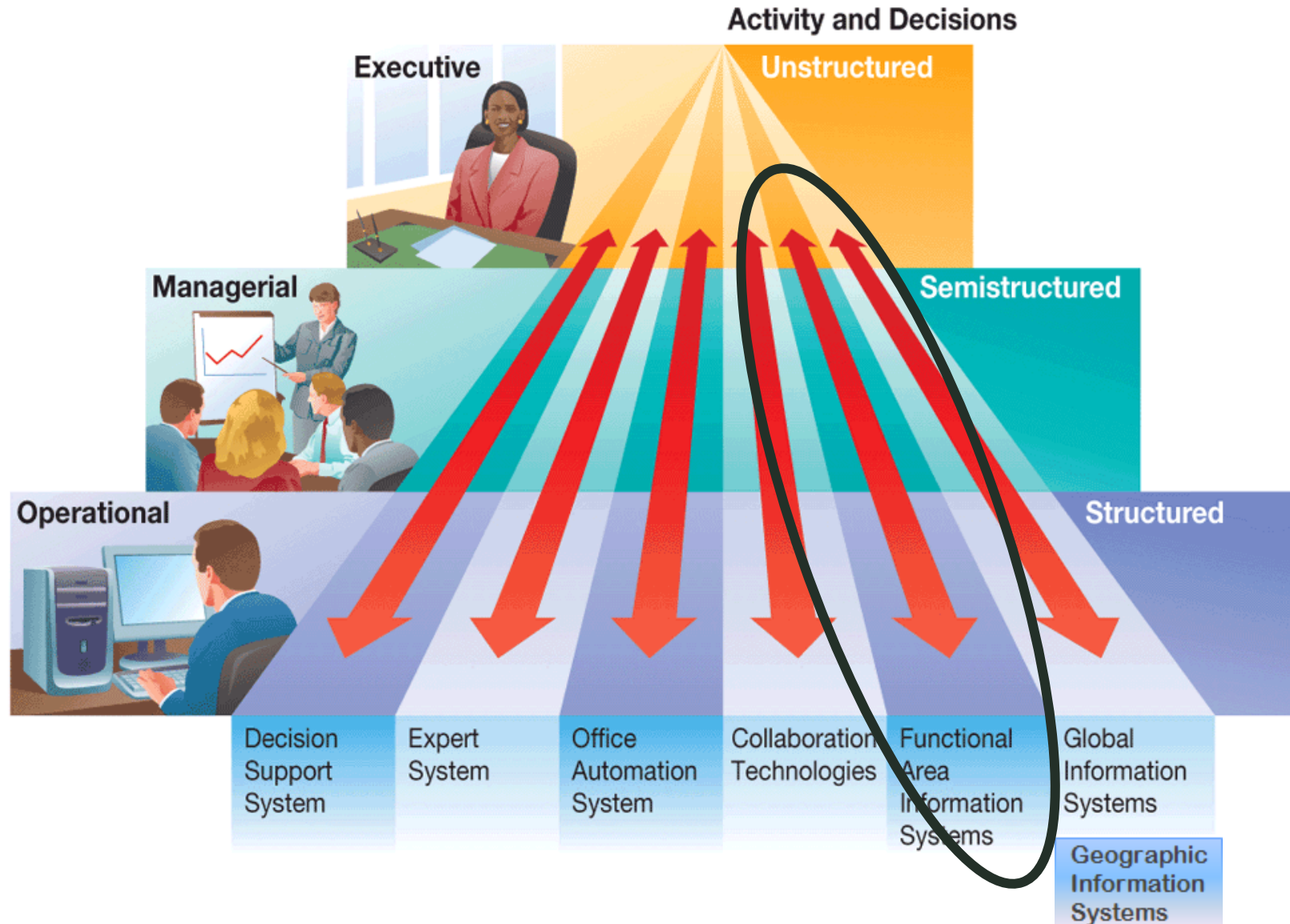
**Management Information Systems**

**Frameworks**

Lecture Outline 4



# Organizational Information Systems



# Functional Area Information Systems

- **Functional Area Information Systems**
  - Cross- Organizational Information systems that are designed to support a specific functional area
- **Supported Activities**
  - The following functional organizations have systems to support their operational and managerial activities
    - **Accounting and Finance**
    - **Human Resources**
    - **Marketing and Sales**
    - **Operations (Manufacturing)**

# Functional Area Information Systems

Functional Area	Information System	Examples of Typical Systems
Accounting and Finance	Systems used for managing, controlling, and auditing the financial resources of the organization	<ul style="list-style-type: none"><li>■ Inventory management</li><li>■ Accounts payable</li><li>■ Expense accounts</li><li>■ Cash management</li><li>■ Payroll processing</li></ul>
Human Resources	Systems used for managing, controlling, and auditing the human resources of the organization	<ul style="list-style-type: none"><li>■ Recruiting and hiring</li><li>■ Education and training</li><li>■ Benefits management</li><li>■ Employee termination</li><li>■ Workforce planning</li></ul>
Marketing	Systems used for managing new product development, distribution, pricing, promotional effectiveness, and sales forecasting of the products and services offered by the organization	<ul style="list-style-type: none"><li>■ Market research and analysis</li><li>■ New product development</li><li>■ Promotion and advertising</li><li>■ Pricing and sales analysis</li><li>■ Product location analysis</li></ul>
Production and Operations	Systems used for managing, controlling, and auditing the production and operations resources of the organization	<ul style="list-style-type: none"><li>■ Inventory management</li><li>■ Cost and quality tracking</li><li>■ Materials and resource planning</li><li>■ Customer service tracking</li><li>■ Customer problem tracking</li><li>■ Job costing</li><li>■ Resource utilization</li></ul>

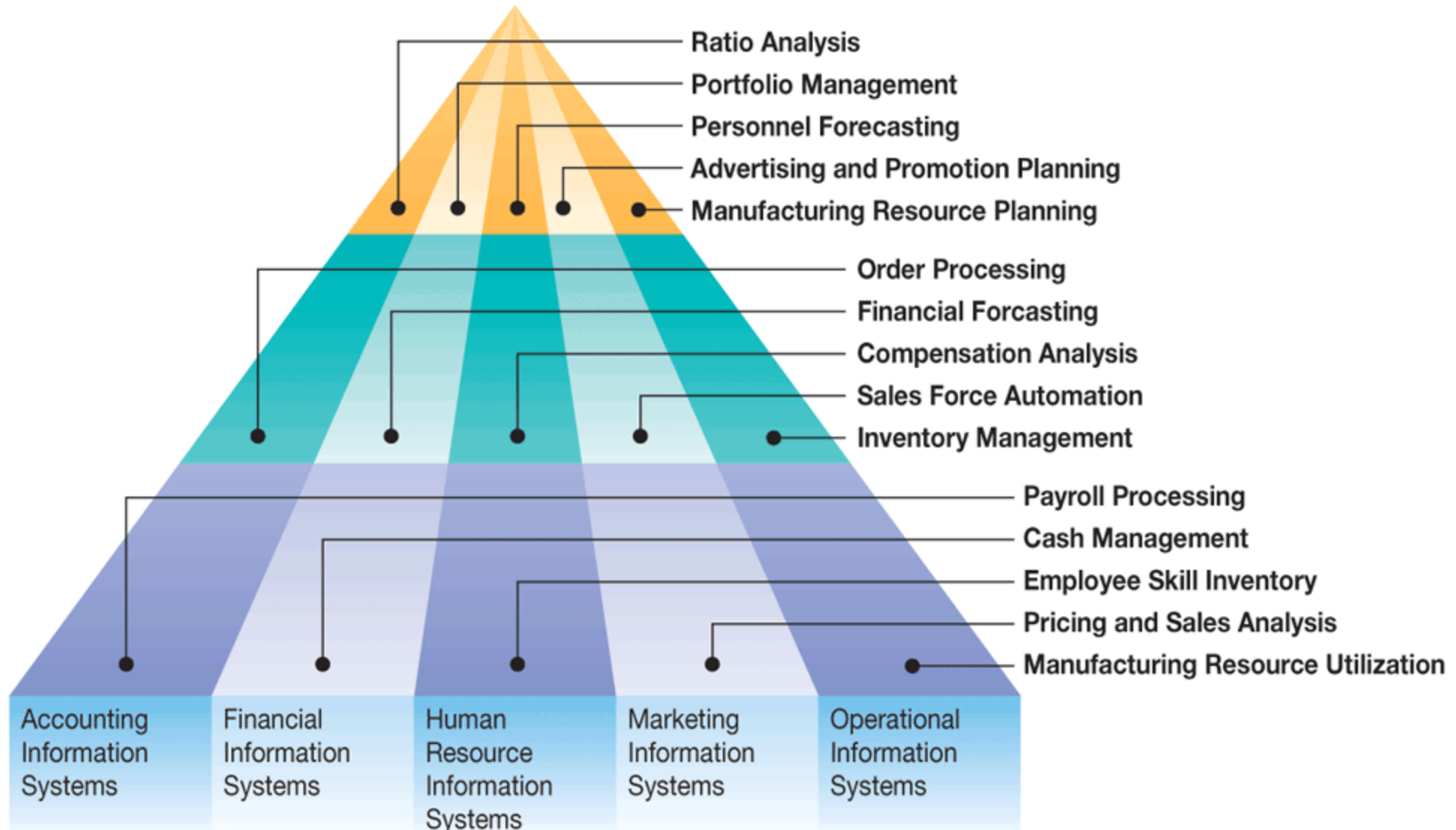
# Functional Area Information Systems

- Accounting and Finance
  - Systems used for managing, controlling and auditing the financial resources of the organization
  - Examples:
    - Inventory Management, Accounts Payable, Expense accounts, Cash management, Payroll Processing
- Human Resources
  - Systems used for managing, controlling and auditing the human capital in an organization
  - Examples:
    - Recruiting and hiring, Education and training, Benefits Management, Employee termination, Workforce planning

# Functional Area Information Systems

- Marketing
  - Systems used for managing new product development, distribution, pricing, promotional effectiveness, and sales forecasting of the products and services offered by the organization
  - Examples:
    - Market Research and analysis, new product development, promotion and advertising, pricing and sales analysis, product location
- Production and Operations
  - Systems used for managing controlling and auditing the production and operation resources of the organization
  - Examples:
    - Inventory Analysis, Cost and quality Tracking, material and resource planning, customer service tracking, customer problem tracking, job costing, resource utilization

# Functional Area Information Systems





# Management Information Systems Frameworks

End of Lecture 4