

# *MIS*

## *(Management Information System)*

### *(21-972)*

*Department of Industrial Engineering*  
*Sharif University of Technology*

*Session #5*

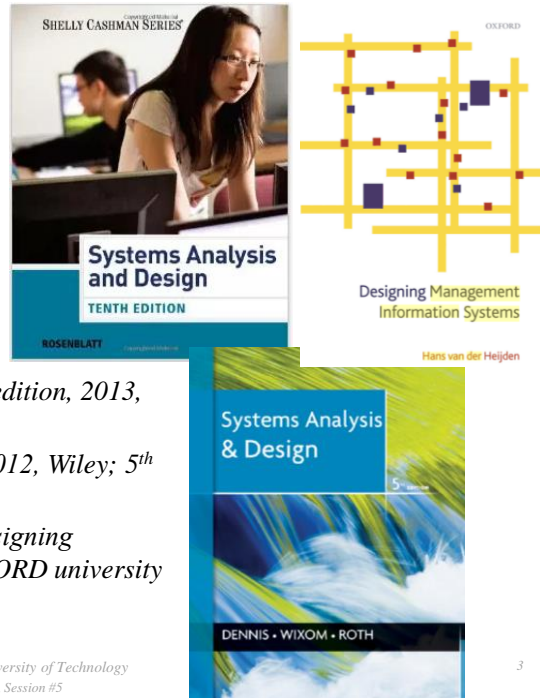


## *Course Description*

- *Instructor*
  - *Omid Fatahi Valilai, Ph.D. Industrial Engineering Department, Sharif University of Technology*
  - *Email: [Fvalilai@sharif.edu](mailto:Fvalilai@sharif.edu), Tel: 021-6616-5706*
  - *Website: <http://sharif.edu/~fvalilai>*
- *Class time*
  - *Saturday-Monday*                      *10:30~12:00*
- *Course evaluation*
  - *Mid-term*                                      *(20%)*
  - *Final exam*                                    *(20%)*
  - *Quiz*    *(10%)*
  - *Exercise-Projects*                          *(30%)*

## Course Description (Continued ...)

- **Mid-term session:**
  - Saturday, 7<sup>th</sup>, Azar 1394
- **Final session:**
  - Monday, 28<sup>th</sup>, Dey 1394
- **Reference:**
  - Rosenbalt, “System Analysis and Design”, 10<sup>th</sup> edition, 2013, Course Technology
  - Dennis, Lan; “Systems Analysis and Design”, 2012, Wiley; 5<sup>th</sup> edition
  - Johannes Govardus Maria van der Heijde; “Designing Management Information Systems”, 2009, OXFORD university press

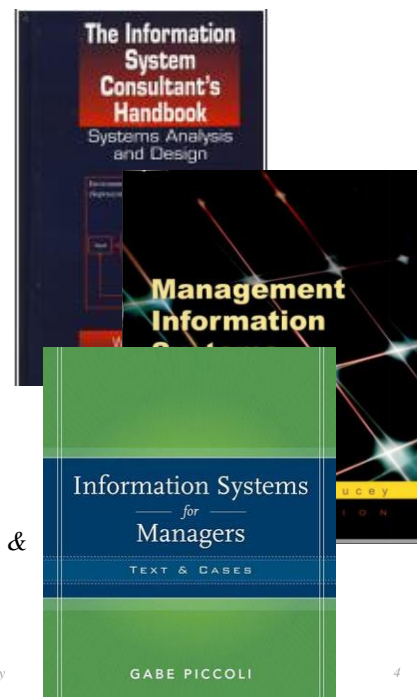


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## Course Description (Continued ...)

- **Reference:**
  - William S. Davis, David C. Yen, “The information system consultant’s handbook: system analysis and design”, 2010, Taylor and Francis
  - Terence Lucey; “Management Information Systems”, 2004, Cengage Learning EMEA
  - Gabriele Piccoli; “Information systems for managers: texts & cases”, 2007, John Wiley & Sons Inc



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## *Course Description (Continued..)*

- *Contents:*
  - *Introduction to Systems Analysis and Design*
  - *Analyzing the Business Case*
  - *Managing Systems Projects*
  - *Requirements Modeling*
  - *Data and Process Modeling*
  - *Object Modeling*
  - *Development Strategies*
  - *User Interface Design*
  - *Data Design*
  - *System Architecture*
  - *Managing Systems Implementation*

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## *Course Description (Continued..)*

- *Contents:*
  - *Analyzing the Business Case*
    - *A Framework for IT Systems Development*
    - *What Is a Business Case?*
    - *Information Systems Projects*
    - *Evaluation of Systems Requests*
    - *Overview of Feasibility*
    - *Preliminary Investigation Overview*

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## Analyzing the Business Case

- *Contents:*
  - *A Framework for IT Systems Development*
    - *During the systems planning phase, the IT team reviews a proposal to determine if it presents a strong business case.*
    - *The term business case refers to the reasons, or justification, for a proposal.*
    - *To analyze the business case for a specific proposal, the analyst must consider the company's overall mission, objectives, and IT needs.*

## Analyzing the Business Case

- *Contents:*
  - *A Framework for IT Systems Development*
    - *Strategic planning is the process of identifying long-term organizational goals, strategies, and resources.*
    - *A strategic plan looks beyond day-to-day activities and focuses on a horizon that is three, five, ten, or more years in the future.*
    - *A company requires information technology to support its strategic goals.*
    - *Because the firm's IT group will be expected to deliver IT resources, IT managers must understand and participate in strategic planning.*

## Analyzing the Business Case

- *Contents:*
  - *A Framework for IT Systems Development*
    - *Why should a systems analyst be interested in strategic planning?*
  - *it can be with information technology:*
    - *One analyst might say, "I am using a CASE tool," while another might say, "I am helping the company succeed in a major new business venture."*
    - *The difference is clear: Systems analysts should focus on the larger, strategic role of IT even as they carry out their day-to-day tasks.*

## Analyzing the Business Case

- *Contents:*
  - *A Framework for IT Systems Development*
    - *Strategic planning starts with a mission statement that reflects the firm's vision, purpose, and values.*
    - *Mission statements usually focus on long-term challenges and goals, the importance of the firm's stakeholders, and a commitment to the firm's role as a corporate citizen.*

*"At PepsiCo, "Performance with Purpose" means delivering sustainable growth by investing in a healthier future for people and our planet"*

## Analyzing the Business Case

- Contents:
  - A Framework for IT Systems Development

