

ITT Technical Institute

BU1410

Management Information Systems

Onsite and Online Course

SYLLABUS

Credit hours: 4.5


Contact/Instructional hours: 56 (34 Theory Hours, 22 Lab Hours)

Prerequisite(s) and/or Corequisite(s):

Prerequisites: BU1110 Introduction to Business or equivalent

Course Description:

This course examines fundamentals of information systems used in business. Topics include choice of hardware and software, security, backup, virus protection, and the use of internal and external communication to solve business problems.



COURSE SUMMARY

COURSE DESCRIPTION

This course examines fundamentals of information systems used in business. Topics include choice of hardware and software, security, backup, virus protection, and the use of internal and external communication to solve business problems.

MAJOR INSTRUCTIONAL AREAS

1. Business Information Systems
2. Databases Uses in Business
3. Information Systems Selection
4. Information Systems and Ethics
5. Internal and External Communication

COURSE LEARNING OBJECTIVES

By the end of this course, you should be able to:

1. Explain the factors that influence how an organization selects information systems.
2. Explain how enterprise systems provide value to an organization.
3. Describe how databases are used in business to improve decision making.
4. Explain how the Internet impacts the way organizations use information systems.
5. Describe roles and responsibilities associated with information systems management.
6. Explain how businesses manage ethical considerations with respect to information systems.
7. Describe how an organization can protect against various information system threats.

COURSE OUTLINE

MODULE 1: MANAGEMENT INFORMATION SYSTEMS TODAY

COURSE LEARNING OBJECTIVES COVERED

- Explain the factors that influence how an organization selects information systems.
- Describe roles and responsibilities associated with information systems management.

TOPICS COVERED

- Role of Information Systems
- Types of Information Systems
- Functions of Information Systems
- Use of Information Systems to Achieve Competition Advantage

MODULE LEARNING ACTIVITIES	GRADED	OUT-OF-CLASS TIME
Reading: Laudon & Laudon, Chapters 1, 2 (pp. 37-52), and 3.	No	4.5 hr
Lesson: Study the lesson for this module.	No	1.5 hr
Discussion: Participate in the discussion titled “Business Information Systems in the Contemporary World.”	Yes	N/A
Analysis: Submit the analysis titled “Role of Information Systems in Improving Business.”	Yes	2.5 hr
Project: Read and begin the project.	No	1 hr

Total Out-Of-Class Activities: 9.5 Hours

MODULE 2: ENTERPRISE APPLICATIONS AND DECISION MAKING

COURSE LEARNING OBJECTIVES COVERED

- Explain how enterprise systems provide value to an organization.
- Describe how databases are used in business to improve decision making.
- Explain how the Internet impacts the way organizations use information systems.

TOPICS COVERED

- Systems for Collaboration and Social Business
- Enterprise Systems
- Customer Relationship Management
- E-Commerce Business and Technology

MODULE LEARNING ACTIVITIES	GRADE D	OUT-OF- CLASS TIME
Reading: Laudon & Laudon, Chapters 2 (pp. 52-72), 9, and 10.	No	8 hr
Lesson: Study the lesson for this module.	No	2 hr
Analysis: Submit the analysis titled “Utilizing Enterprise Applications.”	Yes	3 hr
Lab 1: Complete the lab titled “Improving Operational Performance Using Enterprise Applications.”	Yes	N/A
Lab 2: Complete the lab titled “E-Commerce and the Internet.”	Yes	1.5 hr
Project: Continue work on Project Part 1.	No	5 hr

Total Out-Of-Class Activities: 19.5 Hours

MODULE 3: INTERNET AND INFORMATION SYSTEMS

COURSE LEARNING OBJECTIVES COVERED

- Explain the factors that influence how an organization selects information systems.
- Explain how enterprise systems provide value to an organization.
- Describe how databases are used in business to improve decision making.
- Explain how the Internet impacts the way organizations use information systems.

TOPICS COVERED

- Information Technology Infrastructure
- Hardware and Software Management
- Database Management Systems
- Data Resource Management

MODULE LEARNING ACTIVITIES	GRADE D	OUT-OF- CLASS TIME
Reading: Laudon & Laudon, Chapters 5, 6, and 7.	No	7 hr
Lesson: Study the lesson for this module.	No	2 hr
Analysis 1: Submit the analysis titled “Google, Apple, and Facebook Struggle for Your Internet Experience.”	Yes	3 hr
Analysis 2: Submit the analysis titled “American Water Keeps Data Flowing.”	Yes	3 hr
Project: Submit Project Part 1.	Yes	5 hr

Total Out-Of-Class Activities: 20 Hours

MODULE 4: SECURING ORGANIZATIONS AND MANAGING ETHICAL BEHAVIOR

COURSE LEARNING OBJECTIVES COVERED

- Explain how businesses manage ethical considerations with respect to information systems.
- Describe how an organization can protect against various information system threats.

TOPICS COVERED

- Ethical and Social Issues Related to Systems
- Moral Dimensions of Information
- System Vulnerability and Abuse
- Tools for Protecting Information Resources

MODULE LEARNING ACTIVITIES	GRADE D	OUT-OF- CLASS TIME
Reading: Laudon & Laudon, Chapters 4 and 8.	No	5 hr
Lesson: Study the lesson for this module.	No	2 hr
Discussion: Participate in the discussion titled “Big Data Gets Personal: Behavioral Targeting.”	Yes	1 hr
Analysis: Submit the analysis titled “BYOD: It’s Not So Safe.”	Yes	3 hr
Lab: Complete the lab titled “Platform Security and Risk Assessment.”	Yes	1 hr
Project: Continue work on Project Part 2.	No	5 hr

Total Out-Of-Class Activities: 17 Hours

MODULE 5: KNOWLEDGE MANAGEMENT AND DECISION MAKING

COURSE LEARNING OBJECTIVES COVERED

- Explain the factors that influence how an organization selects information systems.
- Explain how enterprise systems provide value to an organization.
- Describe how databases are used in business to improve decision making.

TOPICS COVERED

- Decision Making and Information Systems
- Intelligent Systems
- Systems for Managing Knowledge

MODULE LEARNING ACTIVITIES	GRADED	OUT-OF-CLASS TIME
Reading: Laudon & Laudon, Chapter 11.	No	3.5 hr
Lesson: Study the lesson for this module.	No	2 hr
Discussion: Participate in the discussion titled “Knowledge Management Systems.”	Yes	N/A
Analysis: Submit the analysis titled “Using Knowledge Systems for Improving Decisions.”	Yes	3 hr
Lab: Complete the lab titled “Improving Sales.”	Yes	N/A
Project: Continue work on Project Part 2.	No	5 hr

Total Out-Of-Class Activities: 13.5 Hours

MODULE 6: INFORMATION SYSTEMS IN MOBILE DEVICES

COURSE LEARNING OBJECTIVES COVERED

- Explain the factors that influence how an organization selects information systems.
- Explain how enterprise systems provide value to an organization.
- Describe how databases are used in business to improve decision making.
- Explain how the Internet impacts the way organizations use information systems.
- Describe roles and responsibilities associated with information systems management.
- Explain how businesses manage ethical considerations with respect to information systems.
- Describe how an organization can protect against various information system threats.

TOPICS COVERED

- Problem Solving and Systems Development
- Modeling and Designing Systems
- Project Management

MODULE LEARNING ACTIVITIES	GRADED	OUT-OF-CLASS TIME
Reading: Laudon & Laudon, Chapter 12.	No	3 hr
Lesson: Study the lesson for this module.	No	2 hr
Discussion: Participate in the discussion titled “What Does It Take to Go Mobile?”	Yes	N/A
Project: Submit Project Part 2.	Yes	5 hr

Total Out-Of-Class Activities: 10 Hours

EVALUATION AND GRADING

EVALUATION CRITERIA

The graded assignments will be evaluated using the following weighted categories:

CATEGORY	WEIGHT
Discussion	25%
Lab	25%
Analysis	25%
Project	25%
TOTAL	100%

GRADE CONVERSION

The final grades will be calculated from the percentages earned in the course, as follows:

GRADE		PERCENTAGE
A	(4.0)	90–100%
B+	(3.5)	85–89%
B	(3.0)	80–84%
C+	(2.5)	75–79%
C	(2.0)	70–74%
D+	(1.5)	65–69%
D	(1.0)	60–64%
F	(0.0)	<60%

LEARNING MATERIALS AND REFERENCES

REQUIRED RESOURCES

COMPLETE TEXTBOOK PACKAGE

- Laudon, K., & Laudon, J. (2015). *Essentials of management information systems (11th ed.)*. Upper Saddle River, NJ: Prentice Hall.

RECOMMENDED RESOURCES

ITT Tech Virtual Library (accessed via Student Portal | <https://studentportal.itt-tech.edu>)

- School of Study> School of Business> Databases> EbscoHost Business Source Premier> Search>
- Salge, T. O., Kohli, R., & Barrett, M. (2015). *Investing in information systems: On the behavioral and institutional search mechanism underpinning hospitals' investment decisions*. *MIS Quarterly*, 39(1), 61-90.
- Toyasaki, F., Wakolbinger, T., & Kettinger, W. J. (2013). The value of information systems for product recovery management. *International Journal of Production Research*, 51(4), 1214-1235.

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INSTRUCTIONAL METHODS AND TEACHING STRATEGIES

The curriculum employs a variety of instructional methods that support the course objectives while fostering higher cognitive skills. These methods are designed to encourage and engage you in the learning process in order to maximize learning opportunities. The instructional methods include but are not limited to lectures, collaborative learning options, use of technology, and hands-on activities.

To implement the above-mentioned instructional methods, this course uses several teaching strategies, such as case studies, hands-on labs, and lessons. Your progress will be regularly assessed through a variety of assessment tools including discussion, lab, analysis, and a project.

OUT-OF-CLASS WORK

For purposes of defining an academic credit hour for Title IV funding purposes, ITT Technical Institute considers a quarter credit hour to be the equivalent of: (a) at least 10 clock hours of classroom activities and at least 20 clock hours of outside preparation; (b) at least 20 clock hours of laboratory activities; or (c) at least 30 clock hours of externship, practicum or clinical activities. ITT Technical Institute utilizes a “time-based option” for establishing out-of-class activities which would equate to two hours of out-of-class activities for every one hour of classroom time. The procedure for determining credit hours for Title IV funding purposes is to divide the total number of classroom, laboratory, externship, practicum and clinical hours by the conversion ratios specified above. A clock hour is 50 minutes.

A credit hour is an artificial measurement of the amount of learning that can occur in a program course based on a specified amount of time spent on class activities and student preparation during the program course. In conformity with commonly accepted practice in higher education, ITT Technical Institute has institutionally established and determined that credit hours awarded for coursework in this program course (including out-of-class assignments and learning activities described in the “Course Outline” section of this syllabus) are in accordance with the time-based option for awarding academic credit described in the immediately preceding paragraph.

ACADEMIC INTEGRITY

All students must comply with the policies that regulate all forms of academic dishonesty or academic misconduct. For more information on the academic honesty policies, refer to the Student Handbook and the School Catalog.

INSTRUCTOR DETAILS

Instructor Name	
Office Hours	
Contact Details	

(End of Syllabus)