

COURSE SYLLABUS

MANAGEMENT INFORMATION SYSTEMS

Course code: 220146

1. General information

<i>Course type</i>		<i>Number of credits</i>	<i>Number of learning periods</i>
General	<input type="checkbox"/>	Theory: 2	Theory: 30
Basic	<input checked="" type="checkbox"/>		
Specialized	<input type="checkbox"/>	Exercise: 0	Exercise: 0
Required	<input checked="" type="checkbox"/>	Practice: 1	Practice: 30
Elective	<input type="checkbox"/>		

Learners:

Level	Bachelor
Discipline	Information Technology

Course requirements:

Prerequisites	N/A	Course code:
Parallels	N/A	Course code:
Other requirements	N/A	

2. Learning resources

Prescribed textbooks	[1] Phạm Thị Thanh Hồng (2010). <i>Hệ thống thông tin quản lý</i> . Nhà xuất bản Bách khoa Hà Nội.
Recommended textbooks	[1] Kenneth C. Laudon, Jane P. Laudon (2019). <i>Essentials of MIS 13th Edition</i> . Pearson.
Other learning materials	

3. Course description

The course provides students basic and specialized knowledge on concepts of management information systems. The course also train students professional skills in developing and operating management information systems. Additionally, the course develops students'

appropriate awareness and attitudes on information security policies and ethical issues in deploying and operating management information systems.

4. Course learning outcomes (CLOs)

After finishing the course, students will be able to:

		<i>Satisfy LOs of the program</i>	<i>Satisfy LOs of the ABET</i>
❖ Topic 1: Disciplinary Knowledge and Reasoning			B.1.1 B.1.2 B.1.3 B.1.4 B.1.5 B.1.6
L1.	Present an overview of the management information system concept and its components	1.2.3	
L2.	Identify requirements of the development/operation of management information systems	2.1.1	
L3.	Present strategies for developing management information systems.	2.1.3 2.2.1	
L4.	Present ethical constraints and security issues of management information systems	2.5.1 2.5.3 2.5.4	
❖ Topic 2: Personal and Professional Skills and Attributes			
L5.	Determine essential steps to develop management information systems	4.2.1 4.2.2 4.3.4 4.3.5	
L6.	Deploy/govern/use management information systems.	4.4.1 4.4.2 4.4.3 4.5.2 4.5.3	
❖ Topic 3: Interpersonal Skills: Teamwork and Communication			
L7.	Work in groups effectively.	3.1.2 3.1.5	

L8.	Look for resources, create reports, and present them	3.2.3 3.2.5	
❖ Topic 4: Conceiving, Designing, Implementing and Operating Systems in The Enterprise, Societal and Environmental Context – The Innovation Process			
L9.	Be aware of the important role of management information systems in digital era.	4.1.2 4.1.5 4.1.6	
L10.	Evaluate the impacts of management information systems on enhancing enterprise competitive advantages.	4.1.3 4.1.7	
L11.	Present benefits/risks of the application of management information systems in business and its social impacts.	4.1.5 4.1.7	

5. Course content

Course contents	CLOs	Number of learning periods		
		Theory	Practice	Others
Chapter 1. Information systems in digital era	L4, L9, L10, L11	6	0	0
1.1. Digital Era				
1.2. Digital business and global collaboration				
1.3. Competitive advantage of information systems				
1.4. Ethical and social issues in information systems				
<input type="checkbox"/> <i>Personal and Professional Skills and Attributes</i>				
<input type="checkbox"/> <i>Interpersonal Skills: Teamwork and Communication</i>				
<input type="checkbox"/> <i>CDIO in the enterprise, societal and environmental context</i>				
Chapter 2. IT Infrastructure for Information Systems	L1, L2, L4	6	5	

2.1. IT Infrastructure: Hardware and Software				
2.2. Business Intelligence Platforms: Database and Information Systems				
2.3. Communication, Internet, and Wireless Technology				
2.4. Information Systems Security				
<input type="checkbox"/> <i>Personal and Professional Skills and Attributes</i>				
<input type="checkbox"/> <i>Interpersonal Skills: Teamwork and Communication</i>				
<input type="checkbox"/> <i>CDIO in the enterprise, societal and environmental context</i>				
Chapter 3. Typical Information Systems in Digital Era	L1, L2, L3, L9, L10	6	10	
3.1. Enterprise systems				
3.2. e-Commerce systems: Digital markets and products				
3.3. Decision support systems and knowledge management				
<input type="checkbox"/> <i>Personal and Professional Skills and Attributes</i>				
<input type="checkbox"/> <i>Interpersonal Skills: Teamwork and Communication</i>				
<input type="checkbox"/> <i>CDIO in the enterprise, societal and environmental context</i>				
Chapter 4. Development and management of Information Systems	L5, L6, L7, L8	6	15	
4.1. Information systems development process				
4.2. Information systems development methods				

4.3. Managing information systems development projects				
<input type="checkbox"/> <i>Personal and Professional Skills and Attributes</i>				
<input type="checkbox"/> <i>Interpersonal Skills: Teamwork and Communication</i>				
<input type="checkbox"/> <i>CDIO in the enterprise, societal and environmental context</i>				
Chapter 5. Management Information Systems Development Strategies	L3, L5, L6, L7, L8	6	0	
5.1. IT Applying Strategies				
5.2. Digital Transformation Strategies				
5.3. Critical success factors of information systems				
<input type="checkbox"/> <i>Personal and Professional Skills and Attributes</i>				
<input type="checkbox"/> <i>Interpersonal Skills: Teamwork and Communication</i>				
<input type="checkbox"/> <i>CDIO in the enterprise, societal and environmental context</i>				
Summary of skills in course level				
<input type="checkbox"/> <i>Personal and Professional Skills and Attributes</i>				
<input type="checkbox"/> <i>Interpersonal Skills: Teamwork and Communication</i>				
<input type="checkbox"/> <i>CDIO in the enterprise, societal and environmental context</i>				

6. Teaching and learning methods:

ID	Teaching method/technique		Description
M1.	Lecturing	<input checked="" type="checkbox"/>	
M2.	Questions – Answers	<input checked="" type="checkbox"/>	

M3.	Group-based Learning	<input checked="" type="checkbox"/>	
M4.	Problem-based Learning	<input checked="" type="checkbox"/>	
M5.	Project-based Learning	<input checked="" type="checkbox"/>	
M6.	Case studies	<input checked="" type="checkbox"/>	
M7.	Role play	<input type="checkbox"/>	
M8.	Demo	<input checked="" type="checkbox"/>	
M9.	Simulations	<input type="checkbox"/>	
M10.	Debate	<input checked="" type="checkbox"/>	
M11.	Game	<input checked="" type="checkbox"/>	
M12.	Brainstorming	<input checked="" type="checkbox"/>	
M13.	Think-Pair-Share	<input type="checkbox"/>	

7. Course assessment

ID	Assessment activity		Quantity	Weight	LOs assessed
T1.	Text-based midterm exam	<input checked="" type="checkbox"/>	1	20%	L1-L11
T2.	Text-based final exam	<input checked="" type="checkbox"/>	1	50%	L1-L11
T3.	Practice midterm exam	<input type="checkbox"/>			
T4.	Practice final exam	<input type="checkbox"/>			
T5.	Report	<input checked="" type="checkbox"/>	1		L1-L11
T6.	In-class exercises	<input checked="" type="checkbox"/>	4	10%	L5, L6
T7.	Homework assignments	<input checked="" type="checkbox"/>	2	10%	L5, L6
T8.	Question – Answer	<input checked="" type="checkbox"/>	1	10%	L1-L11
T9.	Term Project	<input type="checkbox"/>			
T10.	Final Exam	<input type="checkbox"/>			
Formula for Overall score		$((T1+T6+T7+T8)+T2)/2$			

8. Course requirements and expectations

8.1. Requirements on attendance

- Students are responsible for attending all classes. In case of absence due to force majeure circumstances, there must be sufficient and reasonable evidence.
- Students who do not attend more than 20% of the class sections, whether for reason or not, are deemed not to have completed the course and must re-enroll in the following semester.

8.2. Requirements and expectations on student behaviors

- Students must show their respects for teachers and other learners.
- Students must be on time. Students who are late more than five minutes will not be allowed to attend the class.
- Students should not make noises and interfere with others in the learning process.
- Students should not eat, chew gum, and use devices such as cell phones, music players during class hours.
- Laptops and tablets can only be used in class for the purpose of learning.
- Students who violate the above principles will be asked to leave the class and considered absent from the class.

8.3. Requirements on learning issues

Issues related to applying for score reservation, scoring complaints, scoring, exam disciplines are done according to the Learning Regulation of Tra Vinh University.

9. Tentative course instructor

Nguyễn Bảo Ân

DEAN

DEPARTMENT HEAD

LECTURER

Nguyễn Bảo Ân