Northern Technical University

Kirkuk Technical Institute

Ministry of Higher Education and Scientific Research

Ministry of Higher Education and Scientific Research
Supervision and Scientific Evaluation Authority
Department of Quality Assurance and Academic Accreditation

Academic Programme Description Guide and Syllabus



Department of Materials Management Techniques

Kirkuk Technical Institute

Northern Technical University

Academic Year 2025 – 2026

Quality
Our Commitment

Accreditation
Towards a Better Future

Building Skills ... Supplying Opportunities

Logistics Today ...
A Sustainable Tomorrow

Ministry of higher education and scientific research
Scientific supervision and evaluation directorate
Quality assurance and academic accreditation

ACADEMIC PROGRAM SPECIFICATION FORM

University: Northern Technical University
College: Kirkuk Polytechnic College
Department: Department of Materials Management Technologies.
Date of form:2025/10/12

Prof. Dr. Ashty M. Arif
The Dean
Date: / /

Asist.prof. Zuhair shakur
Dean's Assistant for scientific Affairs
Date: / /

Head of Department: Fatimah Nadhem Mahmood
Date: 12 / 10 /2025

Asist. lecturer. Alaa AbdulWahhab Aziz
Quality Assurance And University Performance Manager
Date: 12/2025

Overview of the Materials Management Technologies Department

The department was established in 1978, when the institute was founded under the name Department of Warehouse Management. It admitted graduates of both the scientific and literary branches of secondary school, as well as graduates of commercial preparatory schools.

In the academic year 2006–2007, the department's name was changed to Department of Materials Management Techniques in line with modern developments in the business environment and the requirements of the labor market. The new name more comprehensively reflects the nature of the specialization and the various fields in which its graduates can work.

The department aims to prepare qualified technical personnel who possess the knowledge and skills required in the fields of materials and inventory management, purchasing, and supply chain management, thereby contributing to meeting the needs of various institutions and organizations.

Introduction:

The educational program is a well-planned set of courses that include procedures and experiences arranged in the form of an academic syllabus. Its main goal is to improve and build graduates' skills so they are ready for the job market. The program is reviewed and evaluated every year through internal or external audit procedures and programs like the External Examiner Program.

The academic program description is a short summary of the main features of the program and its courses. It shows what skills students are working to develop based on the program's goals. This description is very important because it is the main part of getting the program accredited, and it is written by the teaching staff together under the supervision of scientific committees in the scientific departments.

This guide, in its second version, includes a description of the academic program after updating the subjects and paragraphs of the previous guide in light of the updates and developments of the educational system in Iraq, which included the description of the academic program in its traditional form (annual, quarterly), as well as the adoption of the academic program description circulated according to the letter of the Department of Studies T 3/2906 on 3/5/2023 regarding the programs that adopt the Bologna Process as the basis for their work.

In this regard, we can only emphasize the importance of writing an academic programs and course description to ensure the proper functioning of the educational process

Concepts and terminology:

Academic Program Description: The academic program description provides a brief summary of its vision, mission and objectives, including an accurate description of the targeted learning outcomes according to specific learning strategies.

Course Description: Provides a brief summary of the most important characteristics of the course and the learning outcomes expected of the students to achieve, proving whether they have made the most of the available learning opportunities. It is derived from the program description.

Program Vision: An ambitious picture for the future of the academic program to be sophisticated, inspiring, stimulating, realistic and applicable.

Program Mission: Briefly outlines the objectives and activities necessary to achieve them and defines the program's development paths and directions.

Program Objectives: They are statements that describe what the academic program intends to achieve within a specific period of time and are measurable and observable.

Curriculum Structure: All courses / subjects included in the academic program according to the approved learning system (quarterly, annual, Bologna Process) whether it is a requirement (ministry, university, college and scientific department) with the number of credit hours.

Learning Outcomes: A compatible set of knowledge, skills and values acquired by students after the successful completion of the academic program and must determine the learning outcomes of each course in a way that achieves the objectives of the program.

Teaching and learning strategies: They are the strategies used by the faculty members to develop students' teaching and learning, and they are plans that are followed to reach the learning goals. They describe all classroom and extra-curricular activities to achieve the learning outcomes of the program.

1. Program Vision

The program aims to academically and practically prepare students by providing them with specialized knowledge and skills in the fields of materials management, inventory management, and supply chain management, while developing competent human resources capable of meeting the needs of the labor market in both the public and private sectors. The program also focuses on developing students' abilities to use modern technologies and apply scientific methods in management, enabling them to perform their duties efficiently and effectively and contribute to supporting economic development and serving the community.

2. Program Mission

The program seeks to achieve leadership and excellence in the field of technical education and practical training in Materials Management Technologies by preparing graduates with administrative, technical, and creative skills who are capable of competing in the local and regional labor markets and contributing effectively to the development of productive and service institutions.

3. Program Objectives

- Providing students with theoretical and practical knowledge in the fields of materials management, inventory management, purchasing, warehousing, and distribution.
- Developing students' skills in data analysis and managerial decision-making using modern methods and technologies.
- Preparing graduates capable of designing and implementing effective materials management plans in industrial and service organizations.

- Developing students' abilities to evaluate the performance of supply chains and improve their efficiency according to established performance indicators and standards.
- Enhancing teamwork skills and effective oral and written communication in various work environments.
- Developing students' skills in using computer-based systems and modern applications related to materials management and logistics operations.
- Preparing technical personnel capable of keeping pace with scientific and technological developments and meeting the requirements of the labor market.

Program Curriculum/Modules

No.	Module Code	Module Name in English	Language	SSWL (hr/w)		Exam hr/sem	SSWL	USSWL	SWL	ECTS	Module Type
				CL (hr/w)	Lab (hr/w)		hr/sem	hr/sem	hr/sem		
1	NTU100	Democracy and Human Rights	Arabic	2		3	33	17	50	2.00	S
2	NTU101	English Language	English	2		3	33	17	50	2.00	S
3	TIK 102	Computer Principles	Arabic	1	2	3	48	27	75	3.00	S
4	TIM101	Principles of Management	Arabic	2	3	3	78	72	150	6.00	B
5	MTM 105	principles of Accounting	Arabic	2	3	3	78	72	150	6.00	B
6	MTM 102	Storage Technologies	Arabic	2	3	3	78	72	150	6.00	B
7	MTM 104	Time Management	Arabic	1	3	3	63	62	125	5.00	S
			Total	12	14	21	411	339	750	30	

Semester 2 | 30 ECTS | 1 ECTS = 30 hrs

No.	Module Code	Module Name in English	Language	SSWL (hr/w)		Exam hr/sem	SSWL	USSWL	SWL	ECTS	Module Type
				CL (hr/w)	Lab (hr/w)		hr/sem	hr/sem	hr/sem		
1	NTU102	Computer I	Arabic	1	2	3	48	27	75	3.00	S
2	NTU103	Arabic Language I	Arabic	2		3	33	17	50	2.00	S
3	TIM010	Principle of Statistics	Arabic	1	2	3	48	102	150	6.00	B
4	TIK 101	Materials Management	Arabic	2	3	3	78	72	150	6.00	C
5	MTM 107	Storage Accounting	Arabic	2	3	3	78	22	100	4.00	B
6	MTM 100	Specialized English Reading	English	1	2	3	48	52	100	4.00	B
7	MTM 110	Logistic Mangment	Arabic	1	3	3	63	62	125	5.00	C
			Total	10	15	21	396	354	750	30	

Semester 3 | 30 ECTS | 1 ECTS = 30 hrs

No.	Module Code	Module Name in English	Language	SSWL (hr/w)		Exam hr/sem	SSWL	USSWL	SWL	ECTS	Module Type
				CL (hr/w)	Lab (hr/w)		hr/sem	hr/sem	hr/sem		
1	NTU 201	English Language	English	2		3	33	17	50	2.00	S
2	NTU 200	Crimes of the baath regime in Iraq	Arabic	2		3	33	17	50	2.00	S
3	TIM020	Quality Management	Arabic	1	2	3	48	52	100	4.00	C
4	MMT 200	Basic of Planing & Monitoring Storage	Arabic	2	3	3	78	72	150	6.00	B
5	MMT 201	Principles Of operations Management	Arabic	2	3	3	78	72	150	6.00	C
6	MMT 202	Marketing Management	Arabic	2	2	3	63	87	150	6.00	C
7	MMT 204	Application of Storage system	Arabic	1	4	3	78	22	100	4.00	B
			Total	12	14	21	411	339	750	30	

semester 4 | 30 ECTS | 1 ECTS = 30 hrs

No.	Module Code	Module Name in English	Language	SSWL (hr/w)		Exam hr/sem	SSWL	USSWL	SWL	ECTS	Module Type
				CL (hr/w)	Lab (hr/w)		hr/sem	hr/sem	hr/sem		
1	NTU 203	Arabic Language	Arabic	2		3	33	17	50	2.00	S
2	NTU 202	Computer	Arabic	1	2	3	48	27	75	3.00	B
3	NTU 204	Professional Ethics	Arabic	2		3	33	17	50	2.00	S
4	MMT207	Planning & Monitoring Storage	Arabic	2	3	3	78	72	150	6.00	C
5	MMT208	Operations Management	Arabic	2	3	3	78	97	175	7.00	C
6	MMT209	Human Resource	Arabic	2	3	3	78	97	175	7.00	B
7	TIK 200	E - Bussnis Administration	Arabic	1	2	3	48	27	75	3.00	B
8		Practical Training									
			Total	12	13	21	396	354	750	30	

4. Expected learning outcomes of the program

Knowledge	
Learning Outcomes 1	Demonstrate knowledge of materials management, inventory, warehousing, purchasing, logistics, and supply chain management.
Skills	
Learning Outcomes 2	Apply techniques for planning, controlling, and managing materials, inventories, warehouses, and storage systems.
Learning Outcomes 3	Analyze materials management problems and use information technology to support effective decision-making.
Ethics	
Learning Outcomes 4	Demonstrate professional ethics, responsibility, integrity, accuracy, quality, and safety in materials management.
Learning Outcomes 5	Demonstrate professional responsibility, ethical conduct, teamwork, and commitment to applying professional knowledge in materials management practices.

5. Teaching and Learning Strategies

Teaching and learning strategies adopted in the implementation of the program include lectures, practical training, laboratory activities, group discussions, case studies, problem-solving activities, field visits, and the use of information technology and electronic learning resources. These strategies aim to develop students' knowledge, practical skills, critical thinking, communication, teamwork, and professional competencies in materials management.

6. Evaluation methods

Students are evaluated through written and oral examinations, quizzes, assignments, practical training, laboratory activities, reports, presentations, class participation, individual and group projects, and continuous assessment. Evaluation methods are implemented at all stages of the program to assess students' knowledge, practical skills, problem-solving abilities, and professional competencies in materials management.

7. Faculty

Faculty Members

Academic Rank	Specialization		Special Requirements/Skills (if applicable)	Number of the teaching staff	
	General	Special		Staff	Lecturer
Assistant Professor	Political Science	Political Science	N/A	1	-
Assistant Lecturer	Business Administration	Management and Economics	N/A	4	-
Lecturer	Arabic Language	Arabic Language	Master's Degree	-	1
Lecturer	History	Contemporary History	Master's Degree	-	1
Total				**5**	**2**

Professional Development

Mentoring new faculty members

New faculty members are supported through orientation, guidance, and mentoring by experienced faculty members at the college and department levels.

Professional development of faculty members

Faculty members participate in training courses, workshops, seminars, conferences, and academic development activities to improve teaching and learning strategies, assessment methods, and professional competencies.

7. Acceptance Criterion

(Setting regulations related to enrollment in the college or institute, whether central admission or others)

8. The most important sources of information about the program

State briefly the sources of information about the program.

Program Skills Outline

Please put a tick (✓) in the appropriate squares to match the individual program learning outcomes for assessment

Program Learning Outcomes

Year / Level	Course Code	Course Name	Basic or Optional	Knowledge and Understanding				Subject-Specific Skills				Thinking Skills				General and Transferable Skills (Other skills related to employability and personal development)			
				A1	A2	A3	A4	B1	B2	B3	B4	C1	C2	C3	C4	D1	D2	D3	D4
First Year	NTU1	Materials Management Techniques	Basic	✓	✓			✓	✓			✓	✓			✓	✓		
	NTU2	Materials Storage	Basic	✓	✓	✓		✓	✓			✓	✓			✓			
	NTU4	Purchasing	Basic	✓	✓			✓	✓			✓				✓	✓		
	NTU3	Mathematics	Basic			✓			✓	✓		✓		✓		✓			
	NTU18	Engineering Drawings	Basic		✓		✓			✓				✓		✓	✓		
	NTU17	Technical Applications	Basic				✓			✓	✓		✓				✓	✓	
	NTU102	English Language	Basic											✓	✓	✓	✓		
	NTU301	Computer Applications	Basic				✓			✓	✓			✓		✓	✓	✓	
Second Year	NTU2	Basic Management	Basic	✓	✓			✓	✓			✓	✓			✓	✓		
	NTU3	Risk Management	Basic		✓	✓		✓	✓				✓	✓		✓	✓		
	NTU15	Specialized Readings	Basic	✓	✓				✓	✓				✓		✓		✓	
	NTU4	Administration	Basic	✓	✓			✓	✓			✓	✓			✓			
	NTU5	Accounting	Basic	✓		✓			✓	✓			✓			✓	✓		
	NTU176	Statistics	Basic		✓	✓			✓	✓		✓		✓			✓	✓	
	NTU100	Human Rights	Basic									✓	✓		✓	✓			✓

- **Please tick the boxes corresponding to the individual program learning outcomes under evaluation.**

Course Description Form

Module 1

Code	Course/Module Title	ECTS	Semester
NTU100 NTU102	Human rights and democracy	2	1
Class (hr/w)	**Lect/Lab./Prac./Tutor**	**SSWL (hr/sem)**	**USWL (hr/w)**
2	3	33	17
Description			
This course introduces the fundamental concepts of democracy, human rights, and civic participation. It explores the historical evolution of democratic systems, the role of citizens in governance, and international human rights frameworks that promote justice and equality.			

Module 2

Code	Course/Module Title	ECTS	Semester
NTU101	English Language	3	1
Class (hr/w)	**Lect/Lab./Prac./Tutor**	**SSWL (hr/sem)**	**USWL (hr/w)**
3	3	33	17
Description			
This course focuses on improving students' proficiency in reading, writing, listening, and speaking English. It emphasizes academic vocabulary, grammar, and communication skills necessary for professional and academic settings.			

Module 2

Code	Course/Module Title	ECTS	Semester
NTU103	Introduction to Computers	3	1
Class (hr/w)	**Lect/Lab./Prac./Tutor**	**SSWL (hr/sem)**	**USWL (hr/w)**
3	3	48	27
Description			
This course provides an introduction to computer systems and information technology. Topics include computer hardware and software, operating systems, data representation, and the basics of programming and networking.			

Module 3

Code	Course/Module Title	ECTS	Semester
TIM010	Principles of Management	5	1
Class (hr/w)	**Lect/Lab./Prac./Tutor**	**SSWL (hr/sem)**	**USWL (hr/w)**
2	3	78	72
Description			
This course examines the core concepts and functions of management, including planning, organizing, leading, and controlling. Students learn about managerial decision-making, motivation, leadership styles, and effective organizational practices.			

Module 4

Code	Course/Module Title	ECTS	Semester
MTM105	Principles of Accountin	6	1
Class (hr/w)	**Lect/Lab./Prac./Tutor**	**SSWL (hr/sem)**	**USWL (hr/w)**
2	3	78	72
Description			
This course introduces the fundamental principles and techniques of financial accounting. It covers accounting cycles, journal entries, financial statements, and the use of accounting information in business decision-making.			

Module 5

Code	Course/Module Title	ECTS	Semester
MTM102	Storage Technologies	6	1
Class (hr/w)	**Lect/Lab./Prac./Tutor**	**SSWL (hr/sem)**	**USWL (hr/w)**
2	3	78	72
Description			
This course explores modern data storage systems and technologies used in computing environments. Topics include storage architecture, file systems, data backup, cloud storage, and information security management.			

Module 6

Code	Course/Module Title	ECTS	Semester
MTM104	Time Management	2	1
Class (hr/w)	**Lect/Lab./Prac./Tutor**	**SSWL (hr/sem)**	**USWL (hr/w)**
2		63	62
Description			
This course teaches strategies and techniques for effective personal and professional time management. Students learn how to set priorities, plan tasks, manage deadlines, and increase productivity in academic and workplace contexts.			

Module 7

Code	Course/Module Title	ECTS	Semester
NTU102	**Computer I**	2	1
Class (hr/w)	**Lect/Lab./Prac./Tutor**	**SSWL (hr/sem)**	**USWL (hr/w)**
2	3	48	27
Description			
This course introduces the basic concepts of computer science, including hardware components, operating systems, and fundamental software applications. Students gain practical skills in word processing, spreadsheets, and internet use.			

Module 8

Code	Course/Module Title	ECTS	Semester
NTU103	**Arabic Language I**	8	2
Class (hr/w)	**Lect/Lab./Prac./Tutor**	**SSWL (hr/sem)**	**USWL (hr/w)**
2	3	33	17
Description			
This course focuses on developing proficiency in Modern Standard Arabic. It emphasizes grammar, reading comprehension, writing, and effective communication skills for academic and professional contexts.			

Module 9

Code	Course/Module Title	ECTS	Semester
TIM010	**Principle of Statistics**	6	2
Class (hr/w)	**Lect/Lab./Prac./Tutor**	**SSWL (hr/sem)**	**USWL (hr/w)**
2	3	48	102
Description			
This course covers the fundamental concepts of statistics, including data collection, organization, analysis, and interpretation. Students learn descriptive and inferential statistical methods used in business and research.			

Module 10

Code	Course/Module Title	ECTS	Semester
TIK 101	**Materials Management**	6	2
Class (hr/w)	**Lect/Lab./Prac./Tutor**	**SSWL (hr/sem)**	**USWL (hr/w)**
2	1	78	72
Description			
This course examines the planning, organizing, and controlling of material resources in an organization. Topics include procurement, inventory control, warehousing, and distribution strategies for efficient operations.			

Module 11

Code	Course/Module Title	ECTS	Semester
MTM 107	**Storage Accounting**	4	2
Class (hr/w)	**Lect/Lab./Prac./Tutor**	**SSWL (hr/sem)**	**USWL (hr/w)**
2	2	78	22
Description			
This course introduces accounting practices specific to inventory and storage operations. It focuses on cost tracking, valuation methods, and financial reporting related to stored goods and materials.			

Module 12

Code	Course/Module Title	ECTS	Semester
MTM 100	**Specialized English Reading**	2	2
Class (hr/w)	**Lect/Lab./Prac./Tutor**	**SSWL (hr/sem)**	**USWL (hr/w)**
2	2	48	52
Description			
This course develops students' reading and comprehension skills in specialized English texts related to their field of study. Emphasis is placed on technical vocabulary, critical analysis, and academic reading strategies.			

Module 13

Code	Course/Module Title	ECTS	Semester
MTM 110	**Logistic Mangment**	2	2
Class (hr/w)	**Lect/Lab./Prac./Tutor**	**SSWL (hr/sem)**	**USWL (hr/w)**
2	2	63	62
Description			
This course provides an overview of logistics and supply chain management. It covers transportation, warehousing, distribution, and the coordination of resources to ensure efficient product flow from suppliers to customers.			

Module 14

Code	Course/Module Title	ECTS	Semester
NTU 201	**English Language**	2	2
Class (hr/w)	**Lect/Lab./Prac./Tutor**	**SSWL (hr/sem)**	**USWL (hr/w)**
2		33	17
Description			
This course enhances students' English language skills with a focus on professional and academic communication. It covers advanced grammar, writing techniques, and oral presentation skills.			

Module 15

Code	Course/Module Title	ECTS	Semester
NTU 200	Crimes of the baath regime in Iraq	8	3
Class (hr/w)	**Lect/Lab./Prac./Tutor**	**SSWL (hr/sem)**	**USWL (hr/w)**
2	3	33	17
Description			
This course explores the historical, political, and social context of the Baath regime in Iraq. It examines documented human rights violations, political repression, and their impact on Iraqi society.			

Module 16

Code	Course/Module Title	ECTS	Semester
TIM020	Quality Management	8	3
Class (hr/w)	**Lect/Lab./Prac./Tutor**	**SSWL (hr/sem)**	**USWL (hr/w)**
2	3	48	52
Description			
This course introduces the principles and practices of quality management systems. It focuses on continuous improvement, quality assurance, performance measurement, and international quality standards such as ISO.			

Module 17

Code	Course/Module Title	ECTS	Semester
MMT 200	Basic of Planing & Monitoring Storage	6	3
Class (hr/w)	**Lect/Lab./Prac./Tutor**	**SSWL (hr/sem)**	**USWL (hr/w)**
2	3	78	72
Description			
This course covers the fundamental methods of storage planning, organization, and supervision. Students learn how to manage inventory levels, optimize storage capacity, and monitor warehouse operations effectively.			

Module 18

Code	Course/Module Title	ECTS	Semester
MMT 201	**Principles Of operations Management**	2	3
Class (hr/w)	**Lect/Lab./Prac./Tutor**	**SSWL (hr/sem)**	**USWL (hr/w)**
2	2	78	72
Description			
This course examines the key concepts and functions of operations management, including production planning, process design, capacity management, and efficiency improvement in business operations			

Module 19

Code	Course/Module Title	ECTS	Semester
MMT 202	**Marketing Management**	2	3
Class (hr/w)	**Lect/Lab./Prac./Tutor**	**SSWL (hr/sem)**	**USWL (hr/w)**
2		63	87
Description			
This course focuses on marketing principles and strategies for promoting products and services. Topics include market analysis, consumer behavior, product development, pricing, and digital marketing.			

Module 20

Code	Course/Module Title	ECTS	Semester
MMT 204	**Application of Storage system**	2	3
Class (hr/w)	**Lect/Lab./Prac./Tutor**	**SSWL (hr/sem)**	**USWL (hr/w)**
2		78	22
Description			
The student reviews the simplified basic rules of the English language that he/she has previously studied in previous stages, but at length, as well as gradually introducing the student to the atmosphere of technical terminology related to the civil profession in its various branches.			

Module 21

Code	Course/Module Title	ECTS	Semester
NTU 203	**Arabic Language**	2	3
Class (hr/w)	**Lect/Lab./Prac./Tutor**	**SSWL (hr/sem)**	**USWL (hr/w)**
2		33	17
Description			
This course focuses on developing students' proficiency in Modern Standard Arabic. It enhances skills in grammar, writing, reading comprehension, and formal communication for academic and professional use.			

Module 22

Code	Course/Module Title	ECTS	Semester
NTU 202	**Computer**	2	4
Class (hr/w)	**Lect/Lab./Prac./Tutor**	**SSWL (hr/sem)**	**USWL (hr/w)**
2		48	27
Description			
This course introduces students to essential computer concepts, including software applications, operating systems, and basic networking. Emphasis is placed on practical computer literacy and problem-solving skills.			

Module 23

Code	Course/Module Title	ECTS	Semester
NTU 204	Professional Ethics	8	4
Class (hr/w)	**Lect/Lab./Prac./Tutor**	**SSWL (hr/sem)**	**USWL (hr/w)**
2	2	33	17
Description			
This his course examines ethical principles and values in professional practice. It addresses moral responsibility, workplace integrity, and ethical decision-making in business and public administration.			

Module 24

Code	Course/Module Title	ECTS	Semester
MMT207	Planning & Monitoring Storage	7	4
Class (hr/w)	**Lect/Lab./Prac./Tutor**	**SSWL (hr/sem)**	**USWL (hr/w)**
2	2	78	72
Description			
This course provides knowledge and tools for planning, organizing, and controlling storage operations. It emphasizes inventory tracking, warehouse layout, and monitoring systems to ensure efficiency and accuracy.			

Module 25

Code	Course/Module Title	ECTS	Semester
MMT208	Operations Management	2	4
Class (hr/w)	**Lect/Lab./Prac./Tutor**	**SSWL (hr/sem)**	**USWL (hr/w)**
2	2	78	97
Description			
This course studies the processes that transform resources into goods and services. It covers production planning, process improvement, resource allocation, and performance optimization.			

Module 26

Code	Course/Module Title	ECTS	Semester
MMT209	**Human Resource**	2	4
Class (hr/w)	**Lect/Lab./Prac./Tutor**	**SSWL (hr/sem)**	**USWL (hr/w)**
2		78	97
Description			
This course introduces the fundamentals of managing people within organizations. Topics include recruitment, training, performance evaluation, motivation, and employee relations.			

Module 27

Code	Course/Module Title	ECTS	Semester
MMT210	**Application system**	**4**	**5**
Class (hr/w)	**Lect/Lab./Prac./Tutor**	**SSWL (hr/sem)**	**USWL (hr/w)**
		78	**47**
Description			
This course explores business application systems and their role in supporting organizational processes. It includes topics such as information systems integration, enterprise resource planning (ERP), and data management tools.			