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

Academic Program and Course Description Guide

2024-2025

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.

Academic Program Description Form

University Name: ….Mosul…………

Faculty/Institute: …….. Literature……….

Scientific Department: . Information and knowledge technologies.............

Academic or Professional Program Name: ....

Final Certificate Name: . Bachelor's and Master's degrees............

Academic System: …Annual and quarterly………

Description Preparation Date: 8/1/2025

File Completion Date:5/5/2025

Signature: **Signature**:

Head of Department Name: **Scientific Associate Name**:

Date: **Date**:

The file is checked by:

Department of Quality Assurance and University Performance

Director of the Quality Assurance and University Performance Department:

Date:

Signature:

                                                                              Approval of the Dean

1. **Program Vision**
Program vision is written here as stated in the university's catalogue and website.
To be a global leader and excel academically through our knowledge, culture,

and values in linguistic, philosophical, social, media, information, and digital studies and their applications in information institutions to provide effective information services.

2. Program Mission

Preserving our trust, values and identity is the foundation of our belief in education, learning, scientific research and community service. Our college works to develop basic and advanced academic programs in various non-humanities disciplines according to globally and regionally studied standards that contribute to the qualification of competent graduates to support their communities in the field of information and knowledge specializations, as well as paper and digital information, ensuring its availability to the beneficiary at the appropriate time and place. This is achieved by producing scientific competencies and expertise that contribute to making this information available to them, so that they become information specialists and experts in it and development the AI

3. Program Objectives

1. Strengthening the University of Mosul's ranking and positioning it among international rankings by continuing to produce and publish sound research in global institutions, reflecting our leadership and excellence.

2. Innovating, developing, and continuously updating undergraduate and graduate academic curricula in line with developments and innovations in our college's field of specialization, ensuring academic and programmatic accreditation.

3. Empowering academically and professionally distinguished faculty members in all our college's specializations, including rare ones.

4. Preparing competent graduates who possess knowledge, skills, and societal cultures that enhance their intellectual and professional capabilities to meet the demands of the labor market.

5. Focusing on finding scientific and sound solutions to societal problems by promoting and marketing the results of applied and future research in our college's various specializations.

6. Adopting contemporary quality systems in higher education, leading institutional and methodological programs for international and national accreditation to enhance university performance.

7. Employing e-government and its requirements in our college to improve administrative and academic work procedures, while also updating the work tasks of the organizational structure units in accordance with these developments.

8. Searching for and diversifying sources of financial funding for our college through the effective use of its resources, ensuring the highest community benefit.

9. Developing an integrated educational environment for our college that supports students, faculty members, and administrative staff in innovation and creativity.

10. Adopting human, ethical, and professional values in the curriculum and instilling these values in the behavior of college members, thus developing a spirit of cooperation, a sense of citizenship, responsibility, and awareness toward their community.

11. Promoting social responsibility and community service initiatives through partnerships and relationships, developing academic consultations, improving continuing education programs, and supporting information institutions.

12. Activating cooperation between the department and information institutions inside and outside the university through field visits to examine the current status of these institutions, studying them, and finding ways to develop them in accordance with scientific trends in the field of global information and informatics, knowledge openness, free access to information, and communicating it to beneficiaries wherever they may be.

13. Teaching modern educational techniques and methods in teaching information science and knowledge technologies.

It also aims to achieve the goals of sustainable development and artificial

intelligence by integrating modern technologies with development concepts to ensure sustainable knowledge management and enhance library and information services in line with digital transformation. The following is a clarification of each:

First: The Goal of Sustainable Development in the Department of Information and Libraries

1. Ensuring continuous access to knowledge for current and future generations.

2. Improving the management of information resources in line with environmental, economic, and social dimensions.

3. Raising awareness of sustainable development principles through information services and educational programs.

4. Supporting education and scientific research through sustainable digital information resources.

5. Developing libraries as community centers that contribute to achieving sustainable development goals (e.g., eradicating poverty, quality education, equality).

Second: The Goal of Using Artificial Intelligence in the Department of Information and Knowledge Technologies

6. Enhancing cataloging and retrieval processes using machine learning and automated classification techniques.

7. Analyzing user behavior to provide customized and efficient information services.

8. Managing library collections intelligently through recommendation systems and AI-based predictions.

9. Automating library services such as responding to user inquiries via chatbots.

10. Facilitating access to information for people with disabilities using advanced

technologies such as text-to-speech conversion.

4. **Program Accreditation**
1- Outputs of the Knowledge Resources Development and Modernization Committee / Curricula of Information and Knowledge Technology Departments in Iraqi Universities 2- Osama Al-Sayed Mahmoud. Reference Standard for Library and Information Programs in Iraqi Universities (Bachelor's/Bachelor's Degree) Cairo: Arab Federation for Libraries and Information, 2016

5. **Other external influences**
Central Admission / Labor Market

6. Program Structure

Program Structure	Number of Courses	Credit hours	Percentage	Reviews*
Institution Requirements	5	148		
College Requirements	–			
Department Requirements	34	148		
Summer Training				
Other				

* This can include notes whether the course is basic or optional.

7. Program Description

Year/Level	Course	Course Name	Credit Hours

	Code			
2024–2025	ITKL–11	Arabic	theoretical	2
2024–2025	ITKL–12	English	theoretical	2
2024–2025	ITKL–13	ACometer	Theoretical/practical	4
2024–2025	ITKL–14	Demorcracy	Theoretical	2
2024–2025	ITKL_15	Professional ethics	Theoretical	3
2024–2025	ITKL–16	Introduction to information Science	Theoretical	3
2024–2025	ITKL–17	Specific information institutions	Theoretical	3
2024–2025	ITKL–18	Sorces of paper Information	Theoretical/ practical	3
2024–2025	ITKL–19	Relax data processing	Theoretical/ practical	4
2024–2025	ITKL–110	Objective data processing	Theoretical/ practical	4
2024–2025	ITKL–111	Database management systems	Theoretical/ practical	3
2024–2025	ITKL21	English	Theoretical	2
2024–2025	ITKL–22	Principles of data managment	Theoretical	2
2024–2025	ITKL–23	Knowledge management	Theoretical	2
2024–2025	ITKL–24	Digital information souces	Theoretical/ practical	3
2024–2025	ITKL–25	Objective data processing	Theoretical/ practical	4
2024–2025	ITKL–26	Description And available scorces	Theoretical/ practical	4
2024–2025	ITKL–27	Specific information insitiuions	Theoretical	2
2024–2025	ITKL–28	Research ethics and intellectual property	Theoretical	2
2024–2025	ITKL–29	Iformation economics	Theoretical	2
2024–2025	ITKL–220	Basth partycrimes	Theoretical	2
2024–2025	ITKL–20	Arabic	Theoretical	2
2024–2025	ITKL–221	specialzation	Theoretical	2
2024–2025	ITKL–31	Communcation and scientific media	Theoretical	2
2024–2025	ITKL–32	Digital content management system	Theoretical	2
2024–2025	ITKL–33	Administrative information	Theoretical	2

		system		
2024-2025	ITKL-34	Resarch urcula	Theoretical	2
2024-2025	ITKL-35	Information Techniques	Theoretical	2
2024-2025	ITKL-36	English term	Theoretical	2
2024-2025	ITKL-37	Quantiative marsurements	Theoretical	2
2024-2025	ITkL-38	Information vessels regulatiog tools	Theoretical/ practical	4
2024-2025	ITKL-39	Electronic systems to manage information institons	Theoretical	2
2024-2025	ITKL-30	Practical application	practical	4
2024-2025	ITKL-41	English text	Theoretical	2
2024-2025	ITKL-42	Legisslation and Standards	Theoretical	2
2024-2025	ITKL-43	Storege and Retreval	Theoretical	2
2024-2025	ITKL-44	Resarch urcula Information Techniques	Theoretical	2
2024-2025	ITKL-45	Digital resort techniques	Theoretical	2
2024-2025	ITKL-46	Multmedia	Theoretical	2
2024-2025	ITKL-47	Information networks	Theoretical	2
2024-2025	ITKL-48	Documentation and archivg	Theoretical	2
2024-2025	ITKL-49	Knowlrdge economics	Theoretical	2
2024-2025	ITKL-40	Publlshing industry	Theoretical	2
2024-2025	ITKL-401	Digital warehoues	Theoretical	2
2024-2025	ITKL-402	Information system	Theoretical	2
2014-2025	ITKL-403	Practical application	practical	4

8. Expected learning outcomes of the program	
Knowledge	
Learning Outcomes 1	Cognitive Objectives 1. Develop students' cognitive abilities and enhance the basic concepts of the Information Science major. 2. Enhance students' theoretical and applied knowledge, which qualifies them to work in various types of information institutions. 3. Develop students' cognitive abilities to identify the latest technologies and tools used in storing, processing, and retrieving information.

| | 4. Gain a comprehensive understanding of the concepts, theories, foundations, and philosophy of the Information Science major. |
| | 5. Develop practical and technical skills for handling, digitizing, storing, and retrieving information. |

Skills	
Learning Outcomes 2	. The program contributes to enhancing and developing the following skills: 1. Contributing to facilitating the work of various types of information institutions and managing them to achieve their objectives. 2. Contributing to the development of information resource groups through the ability to select and evaluate all types of information sources. 3. Using objective analysis tools for knowledge materials and investing in them to facilitate access and availability. 4. Using software applications and utilizing them to provide services and simplify procedures. 5. Managing digital content and digital repositories. 6. Conducting searches of internet resources and organizing digital knowledge for the purpose of presenting it to beneficiaries. 7. Working with educational platforms and managing educational content to serve e-learning programs. 8. Working with beneficiaries and studying their information needs. 9. Building and developing scientific research skills and writing scientific and administrative reports. 10. The ability to manage databases available on local servers or available on the internet, in terms of entering, processing, retrieving, and presenting information to beneficiaries.
Learning Outcomes 3	Learning Outcomes Statement 3
Ethics	
Learning Outcomes 4	1. Strengthening a sense of belonging to the specialty and fostering a desire to work in information institutions. 2. Enhancing the desire for self-development and keeping up with the latest developments in the field of information institutions. 3. Strengthening the sense of belonging to the organization's work team and the desire to deliver the best. 4. Fostering a spirit of cooperation and humility in providing service to the beneficiary community. Fostering the desire for competition and self-development to enhance efficiency and productivity.
Learning Outcomes 5	

9. Teaching and Learning Strategies

1. Periodic field visits to information institutions.

2. Experience, practical experience, and interaction with staff through practical applications in which students interact with beneficiaries in information institutions.

3. Awareness lectures and cultural seminars.

4. Educational and guidance films.

5. Academic advisor and role model.

6. Psychological and emotional stimulation through open and direct discussions with students.

7.Using modern methods for delivering lectures, such as the smart board and PowerPoint.

10. Evaluation methods

1. Distinguishing quality research and reports.

2. Continuous student observation by the instructor.

3. Ongoing student–instructor interviews and meetings.

4. Student interaction with the lecturer.

5. Continuous guidance of students by the instructor during daily lectures.

6. Open discussions between students and instructors.

7. Academic field trips to learn about successful experiences.

8. Use of the Internet in education through dedicated websites that publish full texts and facilitate discussions.

9. Use of information technology in lecture delivery.

10. Practical application of automated systems and databases used to organize information resources.

11. Faculty

Faculty Members

Academic Rank	Specialization		Special Requirements/Skills (if applicable)	Number of the teaching staff	
	General	Special		Staff	Lecturer

Professor Dr. Mahmoud Saleh Ismail	Information and Libraries	Information Technology in Objective Analysis			Permanent	
Professor Dr. Ammar Abdul Latif Zain Al–Abidin	Information and Libraries	Scientific Information and Communication Services			Permanent	
Assistant Professor Samia Younis Saeed	Information and Libraries	Information Services			Permanent	
Assistant Professor Dr. Wassan Sami Saadallah	Information and Libraries	Information sources and services			Permanent	
Assistant Professor Rafel Nizar Abdul Qader	Information and Libraries	Technical Procedures			Permanent	
Assistant Professor Hamsa Maan Mohammed	Statistics	Operations Research			Permanent	
Professor Dr. Omar Tawfiq Abdel Qader	Information and Libraries				Permanent	
Lecturer Dr. Nour Fares Ghanem	Information and Libraries	Technical Procedures			Permanent	
Lecturer Dr. Heba Saadallah Younis	Information and Libraries	Information sources			Permanent	
Teacher Sarmed Siddiq	Information and Libraries	Information and Libraries			Permanent	
Assistant Teacher	Information and	Information and			Permanent	

Shaima Hashem Youssef	Libraries	Libraries				
Assistant Professor Rami Rakan Arab	Information and Libraries	Information and Libraries			Permanent	
Assistant Professor Majd Maysar	Information and Libraries	Information and Libraries			Permanent	
Assistant teacher Raafat Rajab	Information and Libraries	Information and Libraries			Permanent	
Assistant Professor Deema Aydin	Information and Libraries	Information and Libraries			Permanent	
Assistant Professor Asmaa Ghanem	Information and Libraries	Information and Libraries			Permanent	

Professional Development

Mentoring new faculty members

Briefly describes the process used to mentor new, visiting, full-time, and part-time faculty at the institution and department level.

Professional development of faculty members

Briefly describe the academic and professional development plan and arrangements for faculty such as teaching and learning strategies, assessment of learning outcomes, professional development, etc.

12. Acceptance Criterion

Annual plans developed by the department's scientific committee and department council to develop the performance of both the instructor and the course instructor and their use of more modern vocabulary at a rate ranging between 15-20% of the material.

13.	**The most important sources of information about the program**
State briefly the sources of information about the program.	

14.	Program Development Plan

Program Skills Outline															
				Required program Learning outcomes											
Year/Level	Course Code	Course Name	Basic or optional	Knowledge				Skills				Ethics			
				A1	A2	A3	A4	B1	B2	B3	B4	C1	C2	C3	C4
2024-2025	**ITKM3**	Advanced Cataloging	**essential**		√			√	√			√			
2024-2025	**ITKL38**	Tools for organizing information container	**essential**		√			√	√			√			
2024-2025	**ITKM8**	Organization of information containers	**essential**		√			√	√			√			
2024-2025	**ITKL25**	Subjective data processing	**essential**		√			√	√			√			

2024-2025	ITKL-41	**English texts**	**optional**	√				√	√		√		
2024-2025	ArIn25F11 04	Democracy and human rights	**essential**	√				√	√		√		
2024-2025	ArIn25F12 04	The crimes of the baath regime in Iraq	**essential**	√				√	√		√		
2024-2025	ITKL-12	English Language	**optional**	√				√	√		√		
2024-2025	ITKL-402	Management Information Systems	**essential**	√				√	√		√		
2024-2025	ArIn25F110 8	Qualitative Information Institutions	**essential**	√				√	√		√		
2024-2025	ITKL-32	Digital content management systems	**essential**	√				√	√		√		

2024-2025	ArIn25Fm202	Research Methodology	essential	√					√	√			√				
2024-2025	**ITKL-21**	**English term**	optional	√					√	√			√				
2024-2025	ITKL-18	Information sources	essential	√					√	√			√				
2024-2025	ITKL-22	Principles of data science	essential	√					√	√			√				
2024-2025	ArIn25Fm201	Advanced information services	essential	√					√	√			√				
2024-2025	**Arln25F1408**	Building Groups	essential	√					√	√			√				
2024-2025	**Arln25F1303**	Research Methodology	essential	√					√	√			√				
2024-2025	ArIn25F11106	Objective processing of information	essential	√					√	√			√				
2024-2025	**Arln25F1403**	AComputer	optional	√					√	√			√				
2024-2025	<mark>**ITKL-408**</mark>	Parameter measurements	essential	√					√	√			√				

2024-2025	ArIn25F1308	Information Technology	essential	√					√	√		√			
2024-2025	ITKL-401	digital repositories	essential	√					√	√		√			
2024-2025	Arln25F1409	AFor practical application	essential	√					√	√		√			
2024-2025	ITKL-320	Website management	essential	√					√	√		√			
2024-2025	Arln25F1105 -15	EthicsProfession	essential	√					√	√		√			
2024-2025	ITKM-9	programming systems	essential	√					√	√		√			
2024-2025	ArIn25F1201	Arabic	optional	√					√	√		√			
2024-2025	ITKL-11	Arabic	optional	√					√	√		√			
2024-2025	ITKL-111	Computer	optional	√					√	√		√			
2024-2025	ITKM-4	Bibliometrics	essential	√					√	√		√			
2024-2025	ITKL_29	Information economics and	essential	√					√	√		√			

2024-2025		marketing													
2024-2025	ArIn25F1208	**Information Institutions Management**	**essential**	√				√	√		√			
2024-2025	ArIn25F1301	**Communication and Media**	**essential**	√				√	√		√			
2024-2025	ITKL-19	Rules of bibliographic description	**essential**	√				√	√		√			
2024-2025	ITKL-26	Resource Description and Access	**essential**	√				√	√		√			
2024-2025	**ITKL_48**	**Electronic documentation and archiving**	**essential**	√				√	√		√			
2024-2025	**ITKL-1207**	**Introduction to the Study of Public Relations and Media**	**essential**	√				√	√		√			
2024-2025	**ITKL_403**	Practical	**essential**	√				√	√		√			

		application														
2024-2025	**ITKL-46**	**Networks**	essential	√				√	√		√			
2024-2025	**ITKL-43**	**Storage /andRetr**	essential	√				√	√		√			
2024-2025	**ITKM-6**	**Master's / Second Semester**	essential	√				√	√		√			
2024-2025	**Arln25F1 407**	**Multimedia / Stage Four**	essential	√				√	√		√			

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

Course Description Form

Course Name:	
Advanced Cataloging / Master's degree- First course	
Course Code:	
ITKM3	
Semester / Year: Academic Year 2024-2025	
Academic Year 2024-2025	
Description Preparation Date:	
10/9 /2024	
Available Attendance Forms: On campus / Electronic Platform	
On campus / Electronic Platform	
Number of Credit Hours () / Number of Units ():	
2	
Course administrator's name (mention all, if more than one name)	
Name: Name: Rafal Nizar Abdel Qader / Assistant Professor Email: rafal.n.k@uomosul.edu.iq	

Course Objectives	
Course Objectives	● .. Identify the importance of organizing information sources in the field of libraries and information centers and their modern methods in the Internet environment ● Introducing the tools of organizing information and their role in determining the descriptive and objective aspect of the various sources of information Identify the most important developments in the field of descriptive analysis according to the rules of RDA and objectivity, especially in light of the digital environment
Teaching and Learning Strategies	
Strategy	Brainstorming Group Teaching Practical Application Reciprocal Teaching
Course Structure	

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	2	Masters	Introduction to contemporary cataloging Definition of curriculum vocabulary	Theoretical and practical	Oral and written
2	2	Masters	Recent developments in information technology and their implications and direct effects on indexing and catalogues	Theoretical and practical	Oral and written
3	2	Masters	Reviews and amendments to AACR2, 2005 Update, compatibility with electronic and online sources, and tracking developments in the rules.	Theoretical and practical	Oral and written
4	2	Masters	Efforts and activities of the Joint Cataloging Committee (JSC) Efforts of the International Federation (AFLA) in the field of indexing	Theoretical and practical	Oral and written
5	2	Masters	Online bibliographic databases and general catalogs (OCLC - OPACs)	Theoretical and practical	Oral and written
6	2	Masters	MARC 21 bibliographic record	Theoretical and practical	Oral and written
7	2	Masters	Main record fields according to AACR2 rules	Theoretical and practical	Oral and written
8	2	Masters	Using MARC 21 to prepare bibliographic records for general information sources	Theoretical and practical	Oral and written
9	2	Masters	A practical application on using MARC 21 in	Theoretical and	Oral and written

			preparing records for various materials other than books	practical	
10	2	Masters	A practical application on indexing electronic and Internet resources according to the MARC 21 record	Theoretical and practical	Oral and written
11	2	Masters	FRBR Functional Requirements Model	Theoretical and practical	Oral and written
12	2	Masters	Metadata standards developments	Theoretical and practical	Oral and written
13	2	Masters	Mark's ontology	Theoretical and practical	Oral and written
14	2	Masters	Practical applications for indexing	Theoretical and practical	Oral and written
15	2	Masters	Conclusion of the curriculum	Theoretical and practical	Oral and written

.Course Evaluation

1- Conducting written tests (Midyear and final) through some questions on the subject of the study material to know the extent of their comprehension of the subject
2-Quiz (short exam)

3-Practical

4- Attendance of students and assessment through interactive learning

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Required textbooks (curricular books, if any)	nothing
Main references (sources)	1- Al-Shaloul, Wasfi Arif. Modern trends in indexing. - Amman: Jordan Library and Information Association, 2017 2- Mark 21 Record Guide, 2020

Recommended books and references (scientific journals, reports...)	Sources from the Internet

Course Name:
Tools for organizing information container / Third degree
Course Code:
ITKL38
Semester / Year: Academic Year 2024-2025
Academic Year 2024-2025
Description Preparation Date:
16/9 /2023
Available Attendance Forms: On campus / Electronic Platform
On campus / Electronic Platform
Number of Credit Hours () / Number of Units ():
3
Course administrator's name (mention all, if more than one name)
Name: Name: Rafal Nizar Abdel Qader / Assistant Professor Email: rafal.n.k@uomosul.edu.iq

Course Objectives	
Course Objectives	● Recognizing the importance of organizing tools for organizing information sources ● Introducing information organization tools and their role in determining the descriptive and objective aspects of various information sources ● Identifying the most important developments in the field of descriptive and objective analysis, especially in light of the digital environment
Teaching and Learning Strategies	
Strategy	Brainstorming Group Teaching Practical Application

			Reciprocal Teaching		
Course Structure					
Week	**Hours**	**Required Learning Outcomes**	**Unit or subject name**	**Learning method**	**Evaluation method**
1	3	Bachelors	Types of bibliographic codifications: beginnings and origins	Theoretical and practical	Oral and written
2	3	Bachelors	Rules for describing sources and making them available by RDA. Origins and beginnings	Theoretical and practical	Oral and written
3	3	Bachelors	Differences between AACR and RDA rules	Theoretical and practical	Oral and written
4	3	Bachelors	Direct availability indexes	Theoretical and practical	Oral and written
5	3	Bachelors	Talk about the Mark 21 standard	Theoretical and practical	Oral and written
6	3	Bachelors	And how to apply it	Theoretical and practical	Oral and written
7	3	Bachelors	BIBFRAME model	Theoretical and practical	Oral and written
8	3	Bachelors	Written exam	Theoretical and practical	Oral and written
9	3	Bachelors	The basic tags for RDA rules, indicators and subfields	Theoretical and practical	Oral and written
10	3	Bachelors	ISBN field 020	Theoretical and practical	Oral and written
11	3	Bachelors	The main entrance field, an explanation of it and the rules for its use	Theoretical and practical	Oral and written
12	3	Bachelors	The title field, an explanation of it and the	Theoretical and	Oral and written

			rules for its use	practical	
13	3	Bachelors	The rest of the other fields for registration	Theoretical and practical	Oral and written
14	3	Bachelors	Carrier Type, Content, and Source fields 336, 337, and 338	Theoretical and practical	Oral and written
15	3	Bachelors	Review and evaluate theoretical and practical assignments	Theoretical and practical	Oral and written
16	3	Bachelors	Definition of curriculum vocabulary Resource description and availability rules (RDA).	Theoretical and practical	Oral and written
17	3	Bachelors	A comparison between the rules for describing sources and making them available by RDA and the Anglo-American cataloging rules RDA's relationship with other technologies	Theoretical and practical	Oral and written
18	3	Bachelors	MARC 21 record and applications of source description and availability rules Practical application: for various fields in the MARC21 record according to RDA rules	Theoretical and practical	Oral and written
19	3	Bachelors	Functional requirements model for the FRBR bibliographic record and its relationship to the rules for describing and making sources available	Theoretical and practical	Oral and written
20	3	Bachelors	Functional requirements for FRAD authority data	Theoretical and practical	Oral and written
21	3	Bachelors	Functional requirements for FRSAD subject authority data	Theoretical and practical	Oral and written

22	3	Bachelors	Machine-readable indexing format: MARC21 format for authority data	Theoretical and practical	Oral and written
23	3	Bachelors	Properties of MARC authority fields Components of the MARC21 authority record	Theoretical and practical	Oral and written
24	3	Bachelors	MARC21 authority data types and fields	Theoretical and practical	Oral and written
25	3	Bachelors	● Setting fields The rest of the fields and references in the authority record	Theoretical and practical	Oral and written
26	3	Bachelors	● Various practical examples and solutions for authority recording	Theoretical and practical	Oral and written
27	3	Bachelors	BIBFRAME data model	Theoretical and practical	Oral and written
28	3	Bachelors	The relationship of the bibliographic framework data model to the rules for describing sources and making them available	Theoretical and practical	Oral and written
29	3	Bachelors	BIBFRAME fields and elements	Theoretical and practical	Oral and written
30	3	Bachelors	Community indexing	Theoretical and practical	Oral and written

.Course Evaluation

1- Conducting written tests (Midyear and final) through some questions on the subject of the study material to know the extent of their comprehension of the subject

2-Quiz (short exam)

3-Practical

4- Attendance of students and assessment through interactive learning

.	
Required textbooks (curricular books, if any)	nothing
Main references (sources)	1- Al-Shaloul, Wasfi Arif. Modern trends in indexing. - Amman: Jordan Library and Information Association, 2017 2- Mark 21 Record Guide, 2020
Recommended books and references (scientific journals, reports...)	Sources from the Internet

Course Name:
Organization of information containers / Master's degree-second course
Course Code:
ITKM8
Semester / Year: Academic Year 2024-2025
Academic Year 2024-2025
Description Preparation Date:
9/2 /2025
Available Attendance Forms: On campus / Electronic Platform
On campus / Electronic Platform
Number of Credit Hours () / Number of Units ():
2
Course administrator's name (mention all, if more than one name)
Name: Name: Rafal Nizar Abdel Qader / Assistant Professor Email: rafal.n.k@uomosul.edu.iq

Course Objectives	
Course Objectives	● .. Identify the importance of organizing information sources in the field of libraries and information centers and their modern methods in the Internet environment ● Introducing the tools of organizing information and their role in determining the descriptive and objective aspect of the various sources of information Identify the most important developments in the field of descriptive analysis according to the rules of RDA and objectivity, especially in light of the digital environment

Teaching and Learning Strategies

Strategy	Brainstorming
	Group Teaching
	Practical Application
	Reciprocal Teaching

Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	2	Masters	● Definition of curriculum vocabulary ● Resource description and availability rules (RDA).	Theoretical and practical	Oral and written
2	2	Masters	● A comparison between the rules for describing sources and making them available by RDA and the Anglo-American cataloging rules ● RDA's relationship with other technologies	Theoretical and practical	Oral and written
3	2	Masters	● MARC 21 record and applications of source description and availability rules ● Practical application: for various fields in the MARC21 record according to RDA rules	Theoretical and practical	Oral and written
4	2	Masters	Functional requirements model for the FRBR bibliographic record and its relationship to the rules for describing and making sources available	Theoretical and practical	Oral and written
5	2	Masters	Functional requirements for FRAD authority data	Theoretical and practical	Oral and written

6	2	Masters	Functional requirements for FRSAD subject authority data	Theoretical and practical	Oral and written
7	2	Masters	● Machine-readable indexing format: MARC21 format for authority data	Theoretical and practical	Oral and written
8	2	Masters	● Properties of MARC authority fields ● Components of the MARC21 authority record	Theoretical and practical	Oral and written
9	2	Masters	MARC21 authority data types and fields	Theoretical and practical	Oral and written
10	2	Masters	● Setting fields The rest of the fields and references in the authority record	Theoretical and practical	Oral and written
11	2	Masters	● Various practical examples and solutions for authority recording	Theoretical and practical	Oral and written
12	2	Masters	BIBFRAME data model	Theoretical and practical	Oral and written
13	2	Masters	The relationship of the bibliographic framework data model to the rules for describing sources and making them available	Theoretical and practical	Oral and written
14	2	Masters	BIBFRAME fields and elements	Theoretical and practical	Oral and written
15	2	Masters	Community indexing	Theoretical and practical	Oral and written

.Course Evaluation
1- Conducting written tests (Midyear and final) through some questions on the subject of the study material to know the extent of their comprehension of the subject 2-Quiz (short exam)

3-Practical	
4- Attendance of students and assessment through interactive learning	

.	
Required textbooks (curricular books, if any)	nothing
Main references (sources)	1- Al-Shaloul, Wasfi Arif. Modern trends in indexing. - Amman: Jordan Library and Information Association, 2017 2- Mark 21 Record Guide, 2020
Recommended books and references (scientific journals, reports...)	مكتبةhttps://www.loc.gov/ الكونكرس •https://repository.ifla.org/ الاتحاد الدولي لجمعيات المكتبات https://www.oclc.org/en/home.html •فهارس المكتبات المحوسبة

Course Name:	
Subjective data processing / Second degree	
Course Code:	
ITKL25	
Semester / Year:	
Academic Year 2024-2025	
Description Preparation Date:	
16/9 /2024	
Available Attendance Forms: On campus / Electronic Platform	
On campus / Electronic Platform	
Number of Credit Hours () / Number of Units ():	
4	
Course administrator's name (mention all, if more than one name)	
Name: Name: Rafal Nizar Abdel Qader / Assistant Professor Email: rafal.n.k@uomosul.edu.iq Name: Majd Muyasir Abdelbaaqi	
Course Objectives	
Course Objectives	● The course aims to enable the student to possess the cognitive and applied skills necessary to deal with various sources of information, challenge their objective content, and express it through codified subject headings. ● Formulating and installing subject headings and dealing with the

			objective content of various information sources.		

Teaching and Learning Strategies	
Strategy	Brainstorming
	Group Teaching
	Practical Application
	Reciprocal Teaching

Course Structure					
Week	**Hours**	**Required Learning Outcomes**	**Unit or subject name**	**Learning method**	**Evaluation method**
1	4	Bachelors	Lists of subject headings: concept, beginnings and development	Theoretical and practical	Oral and written
2	4	Bachelors	Foreign lists: general and specialized	Theoretical and practical	Oral and written
3	4	Bachelors	Arabic lists: general and specialized	Theoretical and practical	Oral and written
4	4	Bachelors	Thesaurus: the concept	Theoretical and practical	Oral and written
5	4	Bachelors	comparison between lists of subject headings and thesauruses	Theoretical and practical	Oral and written
6	4	Bachelors	beginnings, characteristics	Theoretical and practical	Oral and written
7	4	Bachelors	functions and types	Theoretical and practical	Oral and written
8	4	Bachelors	Thesaurus sections	Theoretical and practical	Oral and written
9	4	Bachelors	steps for preparing thesauruses	Theoretical and practical	Oral and written
10	4	Bachelors	practical applications	Theoretical and	Oral and written

					practical	
11	4	Bachelors	Taksheef: concept	Theoretical and practical	Oral and written
12	4	Bachelors	practical applications.	Theoretical and practical	Oral and written
13	4	Bachelors	Traditional systems: an introduction	Theoretical and practical	Oral and written
14	4	Bachelors	Kaiser's methodological indexing	Theoretical and practical	Oral and written
15	4	Bachelors	practical applications	Theoretical and practical	Oral and written
16	4	Bachelors	Ranganathan Categories	Theoretical and practical	Oral and written
17	4	Bachelors	Practical Applications	Theoretical and practical	Oral and written
18	4	Bachelors	Coates system	Theoretical and practical	Oral and written
19	4	Bachelors	practical applications	Theoretical and practical	Oral and written
20	4	Bachelors	Sequential cataloging	Theoretical and practical	Oral and written
21	4	Bachelors	practical applications	Theoretical and practical	Oral and written
22	4	Bachelors	Non-traditional systems	Theoretical and practical	Oral and written
23	4	Bachelors	free indexing and the use of free descriptors	Theoretical and practical	Oral and written
24	4	Bachelors	practical applications	Theoretical and practical	Oral and written

25	4	Bachelors	Restricted indexing and the use of restricted descriptors	Theoretical and practical	Oral and written
26	4	Bachelors	practical applications	Theoretical and practical	Oral and written
27	4	Bachelors	Thematic reference file: concept	Theoretical and practical	Oral and written
28	4	Bachelors	importance, organization	Theoretical and practical	Oral and written
29	4	Bachelors	practical applications.	Theoretical and practical	Oral and written
30	4	Bachelors	Recent developments in the field of subject headings	Theoretical and practical	Oral and written

.Course Evaluation

1- Conducting written tests (Midyear and final) through some questions on the subject of the study material to know the extent of their comprehension of the subject

2-Quiz (short exam)

3-Practical

4- Attendance of students and assessment through interactive learning

.	
Required textbooks (curricular books, if any)	Subject indexing: a study in Arabic subject headings / Muhammad Fathi Abdel Hadi. - nd edition, expanded and revised.
Main references (sources)	1-Libraries and Information Studies in Professional Bibliographic Preparation / Muhammad Fathi Abdel Hadi. - 1993. 2-Shaaban Abdel Aziz Khalifa. List of standard Arabic subject headings for libraries, information centers, and databases. - Cairo: Dar Al-Shorouk, 2001.
Recommended books and references (scientific journals, reports...)	Sources from the Internet

1. Course name and academic level
English texts , Fourt Year

2. Course code
<mark>ITKL-41</mark>

3. Semester/Year
2024-2025 Annual

4. Date this description was prepared
2024/9/12

.5. Available forms of attendance
On site

6. (of units (total Number of study hours (total) / Number
2 hours / 2 units

7. Name of the course supervisor (if more than one name is mentioned) and academic title.
Name: M.M. Ali Yousef Mohammed Email: ali.yousif@uomosul.edu.iq

8. objectives Course
Course objectives	students with the linguistic knowledge and technological skills necessary to interact effectively in modern digital work environments, by developing their skills in reading, writing, analysis, and professional communication, with a focus on contemporary topics as artificial intelligence, cybersecurity, social such media, digital libraries, and data applications, thus contributing to their academic and professional qualifications for the labor market.

Teaching and learning strategies	
Strategy	brainstorming education group

10.Course structure

kwee	watches	Required learning outcomes	Name of unit or topic	Learning method	Evaluation method
1	2	s' Bachelor	English Texts: an introduction to developing essays	Theoretical	Written and oral

2	2	Bachelor's	Artificial intelligence: Readings	Theoretical	Written and oral
3	2	Bachelor's	Artificial intelligence: exercises	Theoretical	Written and oral
4	2	Bachelor's	Social media collaboration: Reading	Theoretical	Written and oral
5	2	Bachelor's	LinkedIn: Use and application	Theoretical	Written and oral
6	2	Bachelor's	LinkedIn: Exercises	Theoretical	Written and oral
7	2	Bachelor's	Creating Effective LinkedIn Profiles (English Focus)	Theoretical	Written and oral
8	2	Bachelor's	Data visualization	Theoretical	Written and oral
9	2	Bachelor's	Data visualization application	Theoretical	Written and oral
10	2	Bachelor's	Data Visualization Types	Theoretical	Written and oral
11	2	Bachelor's	Visual reality: Readings	Theoretical	Written and oral
12	2	Bachelor's	Visual Reality applications	Theoretical	Written and oral
13	2	Bachelor's	Questions comprehension activity	Theoretical	Written and oral
14	2	Bachelor's	Quiz activity	Theoretical	Written and oral
15	2	Bachelor's	Semester Exam	Theoretical	Written and oral
16	2	Bachelor's	Text structure and grammar	Theoretical	Written and oral
17	2	Bachelor's	Cyber security: Readings	Theoretical	Written and oral
18	2	Bachelor's	Data security	Theoretical	Written and oral
19	2	Bachelor's	Security challenges and strategies	Theoretical	Written and oral
20	2	Bachelor's	Questions activity	Theoretical	Written and oral
21	2	Bachelor's	ISBN and ISNN: readings	Theoretical	Written and oral
22	2	Bachelor's	ISBN and ISSN applications	Theoretical	Written and oral
23	2	Bachelor's	Exercise activity	Theoretical	Written and oral
24	2	Bachelor's	Quiz activity	Theoretical	Written and oral
25	2	Bachelor's	Digital Libraries: Readings	Theoretical	Written and oral

26	2	Bachelor's	Digital Libraries: Structure and Functions	Theoretical	Written and oral
27	2	Bachelor's	Digital libraries: visual presentation	Theoretical	Written and oral
28	2	Bachelor's	E-Learning: Readings	Theoretical	Written and oral
29	2	Bachelor's	E-learning: questions activity	Theoretical	and Written oral
30	2	Bachelor's	Semester Exam	Theoretical	Written and oral

11. Course Evaluation and Grade Divisions
The grade is distributed out of 100 based on the tasks assigned to the exams, student, such as daily preparation, daily, oral, monthly and written reports, etc.

12. Learning and teaching resources	
Required textbooks methodology if) (any	
Main References (Sources)	*English for Information Technology* (Pearson Longman)
Recommended supporting books and references scientific) journals‹ (...reports	
Electronic references , websites	

1. Course name and academic stage:
Democracy and human rights / the first stage

2. Course code
An25F1104

3. Semester/Year
2025-2024

4. Date this description was prepared
12/9/2024

5. Available forms of attendance
Individual group

6. Number of study hours (total) / Number of units (total)
2 hours / 2 units

7. Name of the course supervisor (if more than one name is mentioned) and academic title.
the name: Dr. marwa mohammed ameen / marwa.ameen@uomosul.edu.iq

8 course objectives	
Subject objectives	• Raising students awareness of human rights • Directing students to demand their human rights • Directing his request to apply the principles of democracy • Contribute to the protection and promotion of human rights

9. Teaching and learning strategies	
Strategy	• brainstorming and group learning

10. Course Structure

week	Hours	Required learning outcomes	Name of the unit or topic	Learning method	Evaluation method
1	2	Bachelor's	The concept of human rights	Theory	Written and oral
2	2	Bachelor's	Generations of human rights	Theory	Written and oral
3	2	Bachelor's	Principles of low of eshnunna	theory	Written and oral
4	2	Bachelor's	Exam	theory	Written and oral
5	2	Bachelor's	Principles of urgaginas law	theory	Written and oral
6	2	Bachelor's	Principles of the law of lipit–ishtar	theory	Written and oral
7	2	Bachelor's	Features of hammurabis code	theory	Written and

						oral
8		2	Bachelor's	human rights in greek civilization	theory	Written and oral
9		2	Bachelor's	human rights in roman civilization	theory	Written and oral
10		2	Bachelor's	human rights in judaisn	theory	Written and oral
11		2	Bachelor's	Exam	theory	Written and oral
12		2	Bachelor's	human rights in christiaity	theory	Written and oral
13		2	Bachelor's	human rights in islam	theory	Written and oral
14		2	Bachelor's	womens rights in islam	theory	Written and oral
15		2	Bachelor's	human rights in ancient times	theory	Written and oral
16		2	Bachelor's	human rights in england	Theory	
17		2	Bachelor's	human rights in france		
18		2	Bachelor's	Exam		
19		2	Bachelor's	Gironda project		
20		2	Bachelor's	United nations charter on human rights		
21		2	Bachelor's	Principles of the universal declaration of human rights		
22			Bachelor's	The concept of the democratic system		
23		2	Bachelor's	Features of the democratic system		
24		2	Bachelor's	Characteristics of the democratic system		
25		2	Bachelor's	Foundations of democracy		
26		2	Bachelor's	Digital democracy		
27		2	Bachelor's	Aspects of Digital democracy		
28		2	Bachelor's	How do we judge the democracy of society		
29		2	Bachelor's	Exam		
30		2	Bachelor's	Review the material		

11	Course Evaluation and Grade Divisions

The grade is distributed out of 100 according to the tasks assigned to the student, such as daily preparation, daily, oral, monthly and written exams, reports, etc.
1- Theoretical exams inside the hall
2- Daily exams
3- Preparing the activity inside the classroom
4- Questions answers and participation
5- Monthly exam

12	Learning and teaching resources

Required textbooks	There is no textbook

(methodology if any)	
Main References (Sources)	Hamid hanoun , human rights and judicial guarantees 2015
Recommended supporting books and references (scientific journals, reports...)	
Electronic references, websites	1. Iraqi Unified Catalog - Al-Abbas's Holy Shrine / https://iquc.org/ 2. Iraqi Digital Repository / https://iqdr.iq/ 3. Iraqi Digital Library / https://www.ivsl.org/ 4. OCLC / tps://www.oclc.org/en/home.html?redirect=true 5. Wordcat / https://www.oclc.org/en/worldcat.html 6. MARC / https://www.loc.gov/marc/ 7. Directory of Open Access Periodicals / https://doaj.org/ 8. Library of Congress https://www.loc.gov/ 9. International Federation of Library Associations https://repository.ifla.org/ 10. Computerized Library Catalogs https://www.oclc.org/en/home.html

1. Course name and academic stage:
The crimes of the baath regime in Iraq / the second stage
2. Course code
Arn25F1204
3. Semester/Year
2025-2024
4. Date this description was prepared
12/9/2024
5. Available forms of attendance

Individual group						

6. Number of study hours (total) / Number of units (total)

2 hours / 2 units

7. Name of the course supervisor (if more than one name is mentioned) and academic title.

the name: Dr. marwa mohammed ameen / marwa.ameen@uomosul.edu.iq

8 course objectives

Subject objectives	• Educating students about the crimes committed by the Baath regime in Iraq …………. • Guiding students to familiarize themselves With crimes………… • Educating students about the seriousness of crimes…………

9. Teaching and learning strategies

Strategy	• brainstorming and group learning

10. Course Structure

week	Hours	Required learning outcomes	Name of the unit or topic	Learning method	Evaluation method
1	2	Bachelor's	The concept of crimes and their types	theory	Written and oral
2	2	Bachelor's	Definition of crimes in language and terminologyy	theory	Written and oral
3	2	Bachelor's	Crime sections	theory	Written and oral
4	2	Bachelor's	exam	theory	Written and oral
5	2	Bachelor's	Crimes of the baath regime according to the Iraqi supreme criminal court law 2005	theory	Written and oral
6	2	Bachelor's	Types of international crimes	theory	Written and oral
7	2	Bachelor's	Decisions issued by the criminal court	theory	Written and oral
8	2	Bachelor's	Psychological crimes	theory	Written and oral
9	2	Bachelor's	Mechanisms of psychological crimes	theory	Written and oral
10	2	Bachelor's	Psychological effects of crimes	theory	Written and oral

11	2	Bachelor's	exam		theory	Written and oral
12	2	Bachelor's	Social crimes		theory	Written and oral
13	2	Bachelor's	Violations of Iraqi laws		theory	Written and oral
14	2	Bachelor's	Environmental crimes		theory	Written and oral
15	2	Bachelor's	War and radioactive pollution		theory	Written and oral
16	2	Bachelor's	The effects of the chemical attack on halabja			
17	2	Bachelor's	Destruction of cities and villages			
18	2	Bachelor's	exam			
19	2	Bachelor's	Burning oil wells			
20	2	Bachelor's	Draining the marches			
21	2	Bachelor's	Theeffects of draining the marches			
22		Bachelor's	Orchird clearing			
23	2	Bachelor's	Environmental impacts of orchard clearing			
24	2	Bachelor's	Mass grave crimes			
25	2	Bachelor's	the Shaaban uprising			
26	2	Bachelor's	Genocide graves events			
27	2	Bachelor's	Events of the iran-iraq war			
28	2	Bachelor's	Chronological classification of the genocide graves			
29	2	Bachelor's	Exam			
30	2	Bachelor's	Review the material			

11	Course Evaluation and Grade Divisions

The grade is distributed out of 100 according to the tasks assigned to the student, such as daily preparation, daily, oral, monthly and written exams, reports, etc.
1-Theoretical exams inside the hall
2-daily exams
3-preparing the activity inside the classroom
4-questions answers and participation
5-monthly exam

12	Learning and teaching resources

Required textbooks (methodology if any)	Crimes of the baath regime in iraq
Main References (Sources)	Hamid hannon, human rights and legal guarantees 2015
Recommended supporting books and references (scientific journals, reports...)	

Electronic references, websites	1. Iraqi Unified Catalog - Al-Abbas's Holy Shrine / https://iquc.org/
	2. Iraqi Digital Repository / https://iqdr.iq/
	3. Iraqi Digital Library / https://www.ivsl.org/
	4. OCLC / tps://www.oclc.org/en/home.html?redirect=true
	5. Wordcat / https://www.oclc.org/en/worldcat.html
	6. MARC / https://www.loc.gov/marc/
	7. Directory of Open Access Periodicals / https://doaj.org/
	8. Library of Congress https://www.loc.gov/
	9. International Federation of Library Associations https://repository.ifla.org/
	10. Computerized Library Catalogs https://www.oclc.org/en/home.html

1. Course name and academic stage:
Management Information Systems / Third Stage
2. Course code
ITKL-402
3. Semester/Year
2025-2024
4. Date this description was prepared
2024 /9 /12
5. Available forms of attendance
My presence
6. Number of study hours (total) / Number of units (total)
3 hours / 5 units
7. Name of the course supervisor (if more than one name is mentioned) and academic title.
the name: Dr. Heba Saadallah Younis   Email: Heba.sy@uomosul.edu.iq

8	Course objectives	
Subject objectives	• 1. Define management information systems and their importance in facilitating work and saving effort and time. • 2. Introduce students to the importance of information systems for libraries and information centers.	

9. Teaching and learning strategies

Strategy	• Brainstorming • Social Education • Reciprocal teaching

10. Course Structure

week	Hours	Required learning outcomes	Name of the unit or topic	Learning method	Evaluation method
1	3	Bachelor's	Information Technology, Its Trends	theory	Written and oral
2	3	Bachelor's	Information Technology Hardware	theory	Written and oral
3	3	Bachelor's	Information Systems, Information Systems Infrastructure	theory	Written and oral
4	3	Bachelor's	Types of information, methods of collecting it	theory	Written and oral
5	3	Bachelor's	Features and Characteristics of Information	theory	Written and oral
6	3	Bachelor's	Elements and Components of the System	theory	Written and oral
7	3	Bachelor's	Types of Information Systems and Their Forms	theory	Written and oral
8	3	Bachelor's	Fundamentals of Management Information Systems	theory	Written and oral
9	3	Bachelor's	Development of Management Information Systems	theory	Written and oral
10	3	Bachelor's	Emergence of Digital Organizations with Electronic Applications	theory	Written and oral
11	3	Bachelor's	Concept of Management Information Systems	theory	Written and oral
12	3	Bachelor's	Characteristics and Features of Management Information Systems	theory	Written and oral
13	3	Bachelor's	Elements and Requirements for Operating Management Information Systems	theory	Written and oral
14	3	Bachelor's	Benefits of Management Information Systems	theory	Written and oral
15	3	Bachelor's	Student Tests	theory	Written and oral
16	3	Bachelor's	Negative Effects of Using Management		

			Information Systems		
17		3	Bachelor's	Determinants and Components of Management Information Systems		
18		3	Bachelor's	Challenges of Management Information Systems		
19		3	Bachelor's	Difficulties in Successfully Implementing Management Information Systems in Organizations		
20		3	Bachelor's	Information Transfer Methods in Management Information Systems		
21		3	Bachelor's	Types of Management Information Systems		
22			Bachelor's	Management Information Systems by Administrative Level		
23		3	Bachelor's	Information Systems Supporting Senior Management Executives: Definition and Advantages		
24		3	Bachelor's	Decision support information systems and group decision support systems: definition and advantages		
25		3	Bachelor's	Decision support information systems and group decision support systems: definition and advantages		
26		3	Bachelor's	Transaction processing systems, definition, and types		
27		3	Bachelor's	Office information systems, definition, and benefits		
28		3	Bachelor's	Types of Office Information Systems		
29		3	Bachelor's	Document processing systems, communication and messaging systems, teleconferencing systems, office organization systems		
30		3	Bachelor's	Student testing for course material		

11	Course Evaluation and Grade Divisions

The grade is distributed out of 100 according to the tasks assigned to the student, such as daily preparation, daily, oral, monthly and written exams, reports, etc.

12	Learning and teaching resources

Required textbooks (methodology if any)	There are no methodological books
Main References (Sources)	Management Information Systems: A Technological Perspective / Mazhar Shaaban Al-Ani. - Amman: Wael Publishing House, 2009.
Recommended supporting books and references (scientific journals, reports...)	Management Information Systems / Iman Fadel Al-Samarrai, Haitham Mohammed Al-Zaghbi. - Amman: Al-Safa Publishing and Distribution House, 2004.
Electronic references, websites	1. Iraqi Unified Catalog - Al-Abbas's Holy Shrine / https://iquc.org/ 2. Iraqi Digital Repository / https://iqdr.iq/

3. Iraqi Digital Library / https://www.ivsl.org/

4. OCLC / tps://www.oclc.org/en/home.html?redirect=true

5. Wordcat / https://www.oclc.org/en/worldcat.html

6. MARC / https://www.loc.gov/marc/

7. Directory of Open Access Periodicals / https://doaj.org/

8. Library of Congress https://www.loc.gov/

9. International Federation of Library Associations

https://repository.ifla.org/

10. Computerized Library Catalogs

https://www.oclc.org/en/home.html

1. Course name and academic level
Qualitative Information Institutions/First Phase
2. Course code
ArIn25F1108
3. Semester/Year
2024/2025
4. Date this description was prepared
11/21/2024
5. Available forms of attendance
In-person and online
6. Number of study hours (total) / Number of units (total)
4
7. Name of the course supervisor (if more than one name is mentioned) and academic title.
Name: M. Sarmed Siddiq Ghazi Email:sarmad.sg@uomosul.edu.iq
8. Course objectives

			Subject objectives
Introducing students to the types of libraries	•		
Introducing students to the administrative system of each library	•		
Learn about the most important services provided by libraries to their beneficiaries	•		

9. Teaching and learning strategies	
Brainstorming Group education Reciprocal teaching	Strategy

10. Course Structure					
Evaluation method	Learning method	Name of the unit or topic	Required learning outcomes	Watches	The week
Written and oral	theory	National Library Concept	Bachelor's	4	1
Written and oral	theory	National Library Jobs	Bachelor's	4	2
Written and oral	theory	Organizational and administrative structure of the National Library	Bachelor's	4	3
Written and oral	theory	Legal Deposit	Bachelor's	4	4
Written and oral	theory	Examples of global national libraries	Bachelor's	4	5
Written and oral	theory	The concept of university libraries	Bachelor's	4	6

Written and oral	theory	The importance of university libraries	Bachelor's	4	7
Written and oral	theory	Objectives and duties of university libraries	Bachelor's	4	8
Written and oral	theory	Office Formation at University Level	Bachelor's	4	9
Written and oral	theory	The concept of a specialized library	Bachelor's	4	10
Written and oral	theory	Specialized Library Jobs	Bachelor's	4	11
Written and oral	theory	Features of the specialized library	Bachelor's	4	12
Written and oral	theory	Basic components of specialized libraries	Bachelor's	4	13
Written and oral	theory	Specialized Library Services	Bachelor's	4	14
Written and oral	theory	a test	Bachelor's	4	15
Written and oral	theory	The concept of public libraries and their importance	Bachelor's	4	16
Written and oral	theory	Objectives of public libraries	Bachelor's	4	17
Written and oral	theory	Public Library Building	Bachelor's	4	18
Written and oral	theory	Public Libraries Organization	Bachelor's	4	19
Written and	theory	Office Group	Bachelor's	4	20

Written and oral	theory	Public library workforce	Bachelor's	4	21
Written and oral	theory	Public library services	Bachelor's	4	22
Written and oral	theory	The concept and objectives of school libraries	Bachelor's	4	23
Written and oral	theory	School library jobs	Bachelor's	4	24
Written and oral	theory	Elements of school libraries	Bachelor's	4	25
Written and oral	theory	Office collaboration concept	Bachelor's	4	26
Written and oral	theory	Barriers to collaboration between libraries	Bachelor's	4	27
Written and oral	theory	What are digital libraries?	Bachelor's	4	28
Written and oral	theory	Advantages of digital library	Bachelor's	4	29
Written and oral	theory	a test	Bachelor's	4	30

11. Course Evaluation and Grade Divisions
The grade is distributed out of 100 according to the tasks assigned to the student, such as daily preparation, daily, oral, monthly and written exams, reports, etc.
12. Learning and teaching resources

Muhammad Awda Aliwi, Mujbil Lazem Al-Maliki, Qualitative	Required textbooks (methodology if any)

Libraries	
	Main References (Sources)
Children's Library / Mohammed Diab	Recommended supporting books and references (scientific journals, reports...)
1. https://www.noor-book.com/ 2. https://books-library.ne 3. https://www.bibalex.org/ar/	Electronic references, websites

Course Name:
Digital content management systems / Third class
Course Code:
ITKL-32
Semester / Year: Academic Year 2023-2024
Description Preparation Date:
22/9/2024
Available Attendance Forms: On campus / Electronic Platform
On campus and Electronic Platform
Number of Credit Hours () / Number of Units ():
4/4
Course administrator's name (mention all, if more than one name)
Name: Rami Rakan Arab   Email: ramieakan86@uomosul.edu.iq
Course Objectives

Course Objectives	The course aims to identify the concepts of digital content and its characteristics, as well as identify the types of systems and models of them and work on them

Teaching and Learning Strategies	
Strategy	Learning and Teaching Strategies Modern education strategies aim to achieve specific goals to provide opportunities for students to increase their learning abilities and diversity in

the methods and implementation of curricula in teaching processes that take into account individual circumstances and the abilities and potential of learners. Learning and teaching are carried out according to the latest self-education tools using the computer and through modern programs in the fields of education.

Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	4	Bachelor's	Basic concepts of digital content	Conceptual material	Written exam and Oral exam
2	4	Bachelor's	Digital content and its creation	Conceptual material	Written exam and Oral exam
3	4	Bachelor's	Characteristics of content and digital content	Conceptual material	Written exam and Oral exam
4	4	Bachelor's	Types of digital content	Conceptual material	Written exam and Oral exam
5	4	Bachelor's	Dimensions and motivations for the trend towards content creation	Conceptual material	Written exam and Oral exam
6	4	Bachelor's	Key trends in the content industry sector	Conceptual material	Written exam and Oral exam
7	4	Bachelor's	Resources for creating digital content	Conceptual material	Written exam and Oral exam
8	4	Bachelor's	Features and characteristics of digital content	Conceptual material	Written exam and Oral exam
9	4	Bachelor's	Digital content industry requirements	Conceptual material	Written exam and Oral exam
10	4	Bachelor's	Primary digital content sources	Conceptual material	Written exam and Oral exam
11	4	Bachelor's	Classifications of digital content management systems	Conceptual material	Written exam and Oral exam
12	4	Bachelor's	Open source systems and proprietary commercial systems and the difference between them	Conceptual material	Written exam and Oral exam
13	4	Bachelor's	Characteristics of digital content	Conceptual	Written exam

			management systems	material	and Oral exam
14	4	Bachelor's	Security of digital content management systems	Conceptual material	Written exam and Oral exam
15	4	Bachelor's	Disadvantages and advantages of digital content management systems	Conceptual material	Written exam and Oral exam
16	4	Bachelor's	WordPress System - Introduction	Conceptual material	Written exam and Oral exam
17	4	Bachelor's	Features and characteristics of the WordPress system	Conceptual material	Written exam and Oral exam
18	4	Bachelor's	Installing the WordPress system	Conceptual material	Written exam and Oral exam
19	4	Bachelor's	Practical application on WordPress	Practical	Written exam and Oral exam
20	4	Bachelor's	Joomla System - Introduction	Conceptual material	Written exam and Oral exam
21	4	Bachelor's	Features and characteristics of the Joomla system	Conceptual material	Written exam and Oral exam
22	4	Bachelor's	Joomla system installation	Conceptual material	Written exam and Oral exam
23	4	Bachelor's	Practical application on Joomla system	Practical	Written exam and Oral exam
24	4	Bachelor's	Practical exam for the two systems	Practical	Written exam and Oral exam
25	4	Bachelor's	pmb system introduction	Conceptual material	Written exam and Oral exam
26	4	Bachelor's	Features and characteristics of the PMB system	Conceptual material	Written exam and Oral exam
27	4	Bachelor's	Installation and application on the PMB system	Conceptual material	Written exam and Oral exam
28	4	Bachelor's	opendocman system – introduction and features	Conceptual material	Written exam and Oral exam
29	4	Bachelor's	Installing the opendocman system	Conceptual material	Written exam and Oral exam
30	4	Bachelor's	Practical application of opendocman system	Practical	Written exam and Oral exam

.Course Evaluation

1- Conducting written tests (Midyear and final) through some questions on the subject of the study material to know the extent of their comprehension of the subject

2-Quiz (short exam)

3-Practical

4- Attendance of students and assessment through interactive learning

.	
Required textbooks (curricular books, if any)	
Main references (sources)	Digital Content Management Systems Talal Al-Zuhairi
Recommended books and references (scientific journals, reports...)	Abdul Latif Hashem. To benefit from digital content management systems in providing services and making documents available in government institutions Amr Saeed. Content management systems for online forums: a comparative analytical study
Electronic References, Websites	Systems : WordPress – Joomla- pmb

.Course Name:	
Research Methodology/Masters	
.Course Code:	
.ArIn25Fm202	
.Semester / Year: Academic Year	
2024-2025	
.Description Preparation Date:	
5/5/2025	
.Available Attendance Forms: On campus / Electronic Platform	
My presence and Electronic	
.Number of Credit Hours () / Number of Units ():	
2	
.Course administrator's name (mention all, if more than one name) Assistant professor	
Name: Sumaya yonis Saeed Email: sumayaalkafaf@yahoo.com	
.Course Objectives	
.Introducing the student to scientific research methods and how to write solid scientific research. Introducing the student to the most important scientific methods and how to use sources and data collection tools and writing the final research report.	
.	

Course Objectives	

.Teaching and Learning Strategies

Strategy	Learning and Teaching Strategies
	Modern education strategies aim to achieve specific goals to provide opportunities for students to increase their learning abilities and diversity in the methods and implementation of curricula in teaching processes that take into account individual circumstances and the abilities and potential of learners. Learning and teaching are carried out according to the latest self-education tools using the computer and through modern programs in the fields of education.

Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	2	Masters	The concept of scientific research and its characteristics	theory	Oral and Written
2	2	Masters	Motivations for conducting research and studies and what are the types of scientific research	theory	Oral and Written
3	2	Masters	The concept of scientific research methods and the historical method	theory	Oral and Written
4	2	Masters	Descriptive method, survey method, and content analysis method	theory	Oral and Written
5	2	Masters	Experimental, inductive, deductive and comparative method	theory	Oral and Written
6	2	Masters	Introduction to the research title, research problem, and hypotheses	theory	Oral and Written
7	2	Masters	Explaining the importance	theory	Oral and Written

			of research, the scientific research methodology, and how to write it		
8	2	Masters	Introducing the study population, study limitations, and previous studies	theory	Oral and Written
9	2	Masters	Introducing the study terminology and the structure of scientific research	theory	Oral and Written
10	2	Masters	How to write sources and references	theory	Oral and Written
11	2	Masters	How to analyze information and derive results with scientific research	theory	Oral and Written
12	2	Masters	What are primary and secondary sources and how to use them in research	theory	Oral and Written
13	2	Masters	What are the data collection tools in research?	theory	Oral and Written
14	2	Masters	Using questionnaire, interview and observation in research	theory	Oral and Written
15	2	Masters	What are samples and how to select them for research, along with how to write the final research report	theory	Oral and Written

.Course Evaluation

1- Conducting written tests (Midyear and final) through some questions on the subject of the study material to know the extent of their comprehension of the subject
2-Quiz (short exam)

3-Practical

4- Attendance of students and assessment through interactive learning

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Required textbooks (curricular books, if any)	Scientific research methods / Dr. Muhammad Sarhan Ali Al Mahmoudi / 2019
Main references (sources)	Lectures on Advanced Research Methodology
Recommended books and references (scientific journals, reports...)	Book and Refernces by Samira Satouyah Anf Written by Muhammad AL Fatheh Hsmdi
Electronic References, Websites	A large variety of articles for scientific journals taken from the Internet

.1. Course name and academic level
English term Third stage
2.Course code
ITKL-21
3. Semester/Year
2024-2025 Annual
4. Date this description was prepared
2024/9/12
5. Available forms of attendance
On site
6. (study hours (total) / Number of units (total Number of
2 hours / 2 units
7. Name of the course supervisor (if more than one name is mentioned) and academic .title
Name: Asst. Lect. :Ali Yousef Mohammed Email . ali.yousif@uomosul.edu.iq
8. Course objectives

Course objectives	1. Learn technical terms related to information systems, databases, knowledge management, artificial intelligence, networks, software, and digital storage.
	2. Use these terms correctly in both oral and written contexts.
	3. Distinguish the subtle differences between similar terms and idiomatic versus general meanings.
	4. Using terminology in preparing presentations, reports, and summaries in English.

			5. dents' proficiency in reading and Raising stu understanding technical documents and specialized references in English.		

9. Teaching and learning strategies

Strategy	brainstorming group education

10. Course structure

week	Hours	Required learning outcomes	unit or topic Name of	Learning method	Evaluation method
1	2	s' Bachelor	An introduction to terminology	Theoretical	Written and oral
2	2	Bachelor's	Defining data, information, and knowledge	Theoretical	Written and oral
3	2	Bachelor's	Alphabetization and book card in library browsing	Theoretical	Written and oral
4	2	Bachelor's	Seminar presentation	Theoretical	Written and oral
5	2	Bachelor's	Virtual reality and metaverse	Theoretical	Written and oral
6	2	Bachelor's	Internet of things applications :	Theoretical	Written and oral
7	2	Bachelor's	Quiz activity	Theoretical	Written and oral
8	2	Bachelor's	International standard book number and international standard serial number	Theoretical	Written and oral
9	2	Bachelor's	Library policy	Theoretical	Written and oral
10	2	Bachelor's	Lacuna, library instruction round table	Theoretical	Written and oral
11	2	Bachelor's	Seminar presentation	Theoretical	Written and oral
12	2	Bachelor's	Monthly exam	Theoretical	Written and oral
13	2	Bachelor's	Library management system	Theoretical	Written and oral
14	2	Bachelor's	Hologram: applications	Theoretical	Written and oral

15	2	Bachelor's	Review and practice	Theoretical	Written and oral
16	2	Bachelor's	Social media applications	Theoretical	Written and oral
17	2	Bachelor's	Knowledge discovery in database	Theoretical	Written and oral
18	2	Bachelor's	Artificial intelligence and learning management system	Theoretical	Written and oral
19	2	Bachelor's	Data taxonomy	Theoretical	Written and oral
20	2	Bachelor's	Seminar presentation	Theoretical	Written and oral
21	2	Bachelor's	Academic library American society for Information Science and Technology	Theoretical	Written and oral
22	2	Bachelor's	Addendum and Appendix	Theoretical	Written and oral
23	2	Bachelor's	Book auction, book card, book fair	Theoretical	Written and oral
24	2	Bachelor's	CD-ROM, Code of ethics	Theoretical	Written and oral
25	2	Bachelor's	Computer-based communication	Theoretical	Written and oral
26	2	Bachelor's	Monthly exam	Theoretical	Written and oral
27	2	Bachelor's	Data compression, data visualization	Theoretical	Written and oral
28	2	Bachelor's	Distance learning, encryption	Theoretical	Written and oral
29	2	Bachelor's	Fire wall, focus group	Theoretical	Written and oral
30	2	Bachelor's	Review and presentation	Theoretical	Written and oral

11. Course Evaluation and Grade Divisions
The grade is distributed out of 100 based on the tasks assigned to the student, such as daily preparation, daily, oral, monthly and written exams‹ reports, etc.
12. Learning and teaching resources
Required	

textbooks methodology if) (any	
Main References (Sources)	ODLIS Online Dictionary for Library and Information Science by Joan M. Reitz
Recommended supporting books and references scientific) journals, (...reports	
Electronic references , websites	https://www.loc.gov/ Library of Congress .1 Computerized Library Catalogs .2 https://www.oclc.org/en/home.html

. Course Name:

Information sources

. Course Code:

ITKL-18

. Semester / Year: Academic Year 2023-2024

The First

. Description Preparation Date:

12/11/2024- 30/6/2025

. Available Attendance Forms: On campus / Electronic Platform

In-person

. Number of Credit Hours () / Number of Units ():

6 Hours / 6 Units

. Course administrator's name (mention all, if more than one name)

Name: wasan sami sadaahl
Email: wasansami@uomosul.edu.iq

. Course Objectives

Course Objectives	
	Identifying the sources of reference information in libraries, how to arrange them, methods of searching in them, their types, and methods of evaluating them with examples of sources, then moving to electronic and digital sources and how to retrieve them

Teaching and Learning Strategies

Strategy	Learning and Teaching Strategies
	Modern education strategies aim to achieve specific goals to provide opportunities for students to increase their learning abilities and diversity in the methods and implementation of curricula in teaching processes that take into account individual circumstances and the abilities and potential of learners. Learning and teaching are carried out according to the latest self-education tools using the computer and through modern programs in the fields of education.

Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	6	Information Specialist	**The concept of the reference source, its features, functions and work of the reference department, organization in reference sources, their types, and evaluation criteria.**	Theoretical and practical	exam
2	6	Information Specialist	**Linguistic dictionaries, their concept, stages of collecting language words, criteria for evaluating them, and examples**	Theoretical and practical	exam
3	6	Information Specialist	**Arabic encyclopedias: their concept, features and organization, problems and sources, types, examples and evaluation criteria.**	Theoretical and practical	exam
4	6	Information Specialist	**Dictionaries of translations, their concept and importance, types and**	Theoretical and practical	exam

				evaluation criteria, and examples		
5		6	Information Specialist	**Practical application on how to use references**	Theoretical and practical	exam
6		6	Information Specialist	**Semester test**	Theoretical and practical	exam
7		6	Information Specialist	**Geographic sources: their concept, importance, types, evaluation criteria and examples**	Theoretical and practical	exam
8		6	Information Specialist	**Arabic evidence: its concept, importance, features, types and examples**	Theoretical and practical	exam
9		6	Information Specialist	**Manual books, their concept, sections, types and examples**	Theoretical and practical	exam
10		6	Information Specialist	**Yearbooks and calendars, their concept and features, the difference between them and yearbooks, their evaluation points, types and examples**	Theoretical and practical	exam
1		6	Information Specialist	**practical application**	Theoretical and practical	exam
11		6	Information Specialist	**Practical books, their concept, terms and divisions, and examples**	Theoretical and practical	exam
1		6	Information Specialist	**Series and periodicals: their concept, importance, types, organization and problems, types and examples**	Theoretical and practical	exam
14		6	Information Specialist	**Flashlights, their concept and importance, their forms and types, steps for preparing them and criteria for evaluating them, examples.**	Theoretical and practical	exam
1		6	Information Specialist	**practical application**	Theoretical and practical	exam
1		6	Information Specialist	**Abstracts, their concept and importance, types**	Theoretical and	exam

				and examples, those responsible for the extraction work	practical	
17	6	Information Specialist	**Bibliographies, their concept and importance, criteria for evaluating them, how to prepare an objective bibliography, and their examples.**	Theoretical and practical	exam	
18	6	Information Specialist	**practical application**	Theoretical and practical	exam	
19	6	Information Specialist	**Semester test**	Theoretical and practical	exam	
20	6	Information Specialist	**The use of computers in reference sections, the trend towards direct connection services, CDs and the Internet**	Theoretical and practical	exam	
21	6	Information Specialist	**Electronic reference sources, their concept, disadvantages and negative impact**	Theoretical and practical	exam	
22	6	Information Specialist	**Common characteristics and characteristics between electronic and printed reference sources. A comparison between the electronic and printed source**	Theoretical and practical	exam	
23	6	Information Specialist	**The concept of electronic publishing, its features and patterns, the difference between electronic publishing and traditional publishing**	Theoretical and practical	exam	
24	6	Information Specialist	**Types of electronic references available online**	Theoretical and practical	exam	
25	6	Information Specialist	**Digital sources, their types, advantages and disadvantages**	Theoretical and practical	exam	
26	6	Information Specialist	**Semester test**	Theoretical and practical	exam	
27	6	Information Specialist	**Criteria for evaluating**	Theoretical and practical	exam	

28	6	Information Specialist	**digital sources, types of digital sources, encyclopedias, dictionaries and references**	Theoretical and practical	exam
29	6	Information Specialist	**Bibliographic and textual databases**	Theoretical and practical	exam
30	6	Information Specialist	**Search engines, their purpose, types, examples and models**	Theoretical and practical	exam

.Course Evaluation

1- Conducting written tests (Midyear and final) through some questions on the subject of the study material to know the extent of their comprehension of the subject.(20 / 20/ - 40) Exam 60

2-Quiz (short exam)

3- Practical.

4- Attendance of students and assessment through interactive learning . 5%

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Required textbooks (curricular books, if any)	**General and specialized Arabic and English references**
Main references (sources)	**Lectures on traditional and digital Arabic references**
Recommended books and references (scientific journals, reports...)	-
Electronic References, Websites 1. مكتبة النور / https://www.noor-book.com/ 2. مكتبة الكتب / https://books-library.ne 3. مكتبة الاسكندرية / https://www.bibalex.org/ar/ 4. الفهرس – الوطنية فهد الملك مكتبة / https://kfnl.gov.sa/ar/Pages/default.aspx 5. مكتبة جامعة بغداد / https://clib.uobaghdad.edu.iq/ 6. الفهرس العربي الموحد / https://www.aruc.org/ar 7. الفهرس العراقي الموحد- العتبة العباسية / https://iquc.org/ 8. المستودع الرقمي العراقي / https://iqdr.iq/ 9. المكتبة الرقمية العراقية / https://www.ivsl.org/ 10.OCLC / https://www.oclc.org/en/home.html?redirect=true	Reference sites available on databases **-www.alwaraq.net** **www.arab-ency.com** – www.alwaraq.net – www.devdir.org – **www.aaru.edu.jo** – www.stl.comtn/stt-Zamege. **www.chamber.org.sa**

11. Word cat/ https://www.oclc.org/en/worldcat.html
12. MARC / https://www.loc.gov/marc/
13. دليل الدوريات المفتوحة المصدر / https://doaj.org/
14. مكتبة الكونكرس https://www.loc.gov/
15. الاتحاد الدولي لجمعيات المكتبات https://repository.ifla.org/
16. فهارس المكتبات المحوسبة https://www.oclc.org/en/home.html
17. قاموس علم المعلومات والمكتبات المباشر https://products.abc-clio.com/ODLIS/odlis_about.aspx
18. كوها ديمو https://koha-community.org/demo/
19. المكتبة الافتراضية العلمية العراقية: https://www.ivsl.org/?language=ar
20. المجلات الاكاديمية العلمية العراقية: https://www.iasj.net

.Course Name:
Principles of data science / Second class
.Course Code:
ITKL-22
.Semester / Year: Academic Year 2024-2025
.Description Preparation Date:
22/9/2024
.Available Attendance Forms: On campus / Electronic Platform
On campus and Electronic Platform
.Number of Credit Hours () / Number of Units ():
4/4
.Course administrator's name (mention all, if more than one name)
Name: Rami Rakan Arab
Email: ramieakan86@uomosul.edu.iq
.Course Objectives

Course Objectives	The course aims to identify the concepts of data science, its types, data science tools, and data mining, in addition to the world of data and its functions.

.Teaching and Learning Strategies

Strategy	Learning and Teaching Strategies
	Modern education strategies aim to achieve specific goals to provide opportunities for students to increase their learning abilities and diversity in the methods and implementation of curricula in teaching processes that take into account individual circumstances and the abilities and potential of

learners. Learning and teaching are carried out according to the latest self-education tools using the computer and through modern programs in the fields of education.

Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	4	Bachelor's	Basic concepts of data science	Conceptual material	Written exam and Oral exam
2	4	Bachelor's	Types of data and their sources	Conceptual material	Written exam and Oral exam
3	4	Bachelor's	Data classification, data collection, data understanding	Conceptual material	Written exam and Oral exam
4	4	Bachelor's	History of data science, importance of data science	Conceptual material	Written exam and Oral exam
5	4	Bachelor's	Areas of use of data science + practical	Conceptual material	Written exam and Oral exam
6	4	Bachelor's	Data science methodology, data science tools	Conceptual material	Written exam and Oral exam
7	4	Bachelor's	The role of data scientists	Conceptual material	Written exam and Oral exam
8	4	Bachelor's	Data working skills	Conceptual material	Written exam and Oral exam
9	4	Bachelor's	Data analysis, data collection	Practical	Written exam and Oral exam
10	4	Bachelor's	Data collection, data cleaning	Conceptual material	Written exam and Oral exam
11	4	Bachelor's	Data exploration, data transformation	Conceptual material	Written exam and Oral exam
12	4	Bachelor's	Data transformation, data modeling	Practical	Written exam and Oral exam
13	4	Bachelor's	Data visualization, data investigation	Conceptual material	Written exam and Oral exam
14	4	Bachelor's	Data storage, data analyst skills	Conceptual material	Written exam and Oral exam
15	4	Bachelor's	Data verification	Conceptual	Written exam

					material	and Oral exam
16	4	Bachelor's	Big data		Conceptual material	Written exam and Oral exam
17	4	Bachelor's	Big data management tools		Conceptual material	Written exam and Oral exam
18	4	Bachelor's	Big data applications		Conceptual material	Written exam and Oral exam
19	4	Bachelor's	Data flow, data display		Conceptual material	Written exam and Oral exam
20	4	Bachelor's	Data mining		Conceptual material	Written exam and Oral exam
21	4	Bachelor's	Data mining relationships		Conceptual material	Written exam and Oral exam
22	4	Bachelor's	The relationship between big data and data mining		Conceptual material	Written exam and Oral exam
23	4	Bachelor's	The relationship between knowledge discovery in databases and data mining		Conceptual material	Written exam and Oral exam
24	4	Bachelor's	Advantages of data mining and its goals		Conceptual material	Written exam and Oral exam
25	4	Bachelor's	Data mining applications and their examples		Practical	Written exam and Oral exam
26	4	Bachelor's	Databases (their concept, types, and life cycle)		Conceptual material	Written exam and Oral exam
27	4	Bachelor's	Metadata: its concept, benefits and characteristics		Conceptual material	Written exam and Oral exam
28	4	Bachelor's	Areas of using metadata and challenges facing the use and application of metadata		Conceptual material	Written exam and Oral exam
29	4	Bachelor's	Information security, its goals, forms and techniques		Conceptual material	Written exam and Oral exam
30	4	Bachelor's	Data security, privacy, and protection methods		Conceptual material	Written exam and Oral exam

.Course Evaluation

1- Conducting written tests (Midyear and final) through some questions on the subject of the study material to know the extent of their comprehension of the subject

2-Quiz (short exam)

3-Practical

4- Attendance of students and assessment through interactive learning

.

Required textbooks (curricular books,

if any)	
Main references (sources)	Talal Nazim Al-Zuhairi. Introduction to Data Science, Baghdad: Mataleza Zaki, 2023
Recommended books and references (scientific journals, reports...)	Rabhi Mustafa Alyan. DATA SCIENCE, Science of the future. Jordan: Safaa House, 2022
Electronic References, Websites	

.Course Name:

Advanced information services /Masters

.Course Code:

ArIn25Fm201

.Semester / Year: Academic Year

2024-2025

.Description Preparation Date:

5/5/2025

.Available Attendance Forms: On campus / Electronic Platform

My presence and Electronic

.Number of Credit Hours () / Number of Units ():

2

.Course administrator's name (mention all, if more than one name) Assistant professor

Name: Sumaya yonis Saeed
Email: sumayaalkafaf@yahoo.com

.Course Objectives Introducing the student to information technology in the field of information services and the most important modern applications in the field of information. Focusing on advanced information services and the most important developments in this field.

.

Course Objectives	

.Teaching and Learning Strategies

Strategy	Learning and Teaching Strategies
	Modern education strategies aim to achieve specific goals to provide opportunities for students to increase their learning abilities and diversity in the methods and implementation of curricula in teaching processes that take into account individual circumstances and the abilities and potential of learners. Learning and teaching are carried out according to the latest self-education tools using the computer and through modern programs in the

			fields of education.		

Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	2	Masters	Advanced information services What is information, why do we need it and its importance	theory	Oral and Written
2	2	Masters	Types of advanced information services and definition of research and analysis services	theory	Oral and Written
3	2	Masters	What are the benefits of using advanced information services?	theory	Oral and Written
4	2	Masters	Roles of advanced information services and how to analyze information	theory	Oral and Written
5	2	Masters	System for searching, organizing and retrieving information services	theory	Oral and Written
6	2	Masters	Search engines and their role in information services.	theory	Oral and Written
7	2	Masters	Social networking sites and activating the role of information services therein	theory	Oral and Written

8	2	Masters	Smart phones and their importance in modern information services	theory	Oral and Written
9	2	Masters	Employing web applications to provide information services	theory	Oral and Written
10	2	Masters	Information revolutions and the changes they have brought about in the field of information services	theory	Oral and Written
11	2	Masters	Using metaverse technology and augmented reality to provide information services	theory	Oral and Written
12	2	Masters	Websites and portals and how they can be used for information	theory	Oral and Written
13	2	Masters	Electronic publishing and a course in providing electronic information services	theory	Oral and Written
14	2	Masters	Smart libraries and the use of modern technologies in providing information services	theory	Oral and Written
15	2	Masters	Discussing everything new in the field of information services, especially in the technical field	theory	Oral and Written
.Course Evaluation					
1- Conducting written tests (Midyear and final) through some questions on the subject of the study material to know the extent of their comprehension of the subject 2-Quiz (short exam) 3-Practical					

4- Attendance of students and assessment through interactive learning	

Required textbooks (curricular books, if any)	Information services in light of the emerging electronic environment and artificial intelligence / 2023 / written by Faten Bamfleh Information services in the digital environment / Dr. Amjad Al-Jawahiri
Main references (sources)	Lectures on Advanced information services
Recommended books and references (scientific journals, reports...)	Book and Refernces by Hashmat QasimAA
Electronic References, Websites	A large variety of articles for scientific journals taken from the Internet

1. Course name and academic level
Building Groups / Stage Four
2. Course code
Arln25F1408
3. Semester/Year
2024-2025/ Annual
4. Date this description was prepared
22/9/ 2024
5. Available forms of attendance
In-person and online
6. Number of study hours (total) / Number of units (total)
4
7. Name of the course supervisor (if more than one name is mentioned) and academic title. Name: M.M. Majd Maysar Abdel-Baqi Email: majd.moayser@uomosul.edu.iq
8. Course objectives

	• Introducing students to the different types of beneficiary communities and training them on how to plan to build a library collection that suits the community served by the library, in addition to preparing and planning to form an acquisition and supply policy, evaluating collections, planning to share resources with other parties, and inventorying and excluding collections. And learn how to acquire electronically, how to create electronic groups, and how to choose the appropriate ones.	Course objectives

9. Teaching and learning strategies

brainstorming group education	Strategy

10. Course structure

Evaluation method	Learning method	Name of unit or topic	Required learning outcomes	watches	week
Written and oral	theory	Choice and its concept	Bachelor'sS	4	1
Written and oral	theory	Supply	Bachelor's	4	2
Written and oral	theory	Thanks for the information sources	Bachelor's	4	3
Written and oral	theory	Selection criteria	Bachelor's	4	4
Written and oral	theory	Selection criteria	Bachelor's	4	5

Written and oral	theory	Selection plan and policy	Bachelor's	4	6
Written and oral	theory	Factors affecting the selection process	Bachelor's	4	7
Written and oral	theory	General principles of selection	Bachelor's	4	8
Written and oral	theory	Selection aids	Bachelor's	4	9
Written and oral	theory	National and International Bibliographies	Bachelor's	4	10
Written and oral	theory	semester exam	Bachelor's	4	11
Written and oral	theory	Reference guides, trade lists, and publisher directories	Bachelor's	4	12
Written and oral	theory	Selection of different types of libraries	Bachelor's	4	13
Written and oral	theory	The most important problems facing the selection process	Bachelor's	4	14
Written and oral	theory	Factors affecting the selection process	Bachelor's	4	15
Written and oral	theory	Group evaluation	Bachelor's	4	16
Written and oral	theory	Group evaluation objectives	Bachelor's	4	17
Written and oral	theory	Group evaluation methods	Bachelor's	4	18
Written and oral	theory	Selection of cultural materials other than books	Bachelor's	4	19
Written and oral	theory	Supply methods	Bachelor's	4	20
Written and	theory	purification or	Bachelor's	4	21

oral		exclusion or weeding			
Written and oral	theory	Formulating an electronic collections development policy	Bachelor's	4	22
Written and oral	theory	Evaluation of electronic resources	Bachelor's	4	23
Written and oral	theory	Electronic supply features	Bachelor's	4	24
Written and oral	theory	semester exam	Bachelor's	4	25
Written and oral	theory	Obstacles to electronic supply	Bachelor's	4	26
Written and oral	theory	The concept of electronic publishing and its objectives	Bachelor's	4	27
Written and oral	theory	Types of electronic publishing	Bachelor's	4	28
Written and oral	theory	Stages of electronic publishing	Bachelor's	4	29
Written and oral	theory	Advantages and characteristics of electronic publishing	Bachelor's	4	30

11. Course Evaluation and Grade Divisions
The grade is distributed out of 100 based on the tasks assigned to the student, such as daily preparation, daily, oral, monthly and written exams, reports, etc.
12. Learning and teaching resources

There are no textbooks.	Required textbooks (methodology if any)
1-Building Collections in	Main References (Sources)

Libraries and Information Centers / Ghania Khamas Saleh-2014 2-Collection Building and Development Policy in University Libraries: The Central Library of the University of Mosul as a Model / Ghufran Abdul Karim Faraj Al-Taie-Master's thesis-2014 3-Desktop and electronic publishing / Walid Abdel Fattah-2019	
Information and Library Journals	Recommended supporting books and references (scientific journals, reports...)
Information and resources available on websites about group development	Electronic references, websites

1. Course name and academic level
Research Methodology / Third Stage
2. Course code
Arln25F1303
3. Semester/Year

	2024-2025/ Annual
	4. Date this description was prepared
	22/9/2025
	5. Available forms of attendance
	In-person and online
	6. Number of study hours (total) / Number of units (total)
	6
	7. Name of the course supervisor (if more than one name is mentioned) and academic title.
	Name: Shaima Hashem Youssef Email: shimah.hy@uomosul.edu.iq
	8. Course objectives
• Introducing the student to how to prepare research and theses and familiarizing him with the different research methods, their types and uses	Course objectives
	9. Teaching and learning strategies
brainstorming group education	Strategy
	10. Course structure

Evaluation method	Learning method	Name of unit or topic	Required learning outcomes	watches	week
Written and oral	Theory and practice	Basic concepts of research and the scientific method and their applications to libraries and information	Bachelor'sS	6	1
Written and oral	theoryAnd the process	Research steps and how to find a topic to research	Bachelor's	6	2

Written and oral	theoryAnd the process	General components of a research proposal	Bachelor's	6	3
Written and oral	theoryAnd the process	Analysis of intellectual production in research methods in library and information science	Bachelor's	6	4
Written and oral	theoryAnd the process	Stages of scientific research	Bachelor's	6	5
Written and oral	theoryAnd the process	Elements of a scientific research plan	Bachelor's	6	6
Written and oral	theoryAnd the process	Research plan preparation stage	Bachelor's	6	7
Written and oral	theoryAnd the process	Research problem, its conditions and characteristics	Bachelor's	6	8
Written and oral	theoryAnd the process	The importance of the study and the reasons for choosing the topic	Bachelor's	6	9
Written and oral	theoryAnd the process	Study assumptions, concept, characteristics and types	Bachelor's	6	10
Written and oral	theoryAnd the process	semester exam	Bachelor's	6	11
Written and oral	theoryAnd the process	Study of links and interrelationships	Bachelor's	6	12
Written and oral	theoryAnd the process	Correlational studies	Bachelor's	6	13
Written and oral	theoryAnd the process	Practical exercises on preparing a research plan	Bachelor's	6	14
Written and oral	theoryAnd the process	Periodic review of the material	Bachelor's	6	15
Written and	theoryAnd	Survey and	Bachelor's	6	16

Written and oral	theoryAnd the process	statistical research, study of sampling methods and data collection tools			
Written and oral	theoryAnd the process	Experimental research in libraries and information	Bachelor's	6	17
Written and oral	theoryAnd the process	The historical approach in library science research	Bachelor's	6	18
Written and oral	theoryAnd the process	Descriptive approach	Bachelor's	6	19
Written and oral	theoryAnd the process	Case study approach	Bachelor's	6	20
Written and oral	theoryAnd the process	Data collection tools	Bachelor's	6	21
Written and oral	theoryAnd the process	Questionnaires: Types, Advantages and Disadvantages	Bachelor's	6	22
Written and oral	theoryAnd the process	Interviews, their types, advantages and disadvantages	Bachelor's	6	23
Written and oral	theoryAnd the process	Note	Bachelor's	6	24
Written and oral	theoryAnd the process	semester exam	Bachelor's	6	25
Written and oral	theoryAnd the process	Samples and their types	Bachelor's	6	26
Written and oral	theoryAnd the process	Modern methods of collecting and obtaining data	Bachelor's	6	27
Written and oral	theoryAnd the process	Studies of the beneficiaries of libraries and information centers: their justifications, methods and problems	Bachelor's	6	28
Written and oral	theoryAnd the process	Practical exercises on preparing and	Bachelor's	6	29

		drafting questionnaires			
Written and oral	theoryAnd the process	Discussion sessions for training research prepared by students in the field of research preparation	Bachelor's	6	30

11. Course Evaluation and Grade Divisions
The grade is distributed out of 100 based on the tasks assigned to the student, such as daily preparation, daily, oral, monthly and written exams, reports, etc.

	12. Learning and teaching resources
There are no textbooks.	Required textbooks (methodology if any)
1-Research Methods in Information Science and Libraries / Ahmed Badr, 1988 2-Scientific Research Methods / Rabhi Abdel Qader Al-Jadali, 2011 3Scientific Research Between Theory and Practice / Muhammad Jalal Al-Ghandour, 2015	Main References (Sources)
Information and library journals and scientific research books	Recommended supporting books and references (scientific journals, reports...)

Information and sources available on websites about scientific research methods	Electronic references, websites

1. Course name and academic level
Objective processing of information/first stage
2. Course code
ArIn25F1106
3. Semester/Year
Annual - 2024/2025
4. Date this description was prepared
21/9/2024
5. Available forms of attendance
9 attendance
6. Number of study hours (total) / Number of units (total)
8
7. Name of the course supervisor (if more than one name is mentioned) and academic title.
Name: Asmaa Ghanem Ramadan Email:asmaa2020@uomosul.edu.iq
8. Course objectives

	Course objectives
• Training students to classify different information sources according to the classification system and the basics of the Universal Decimal Classification. • Training students to classify various information sources according to the US Library	

of Congress classification system. • Training the student to classify different information sources according to the Dewey Decimal Classification system.	
9. Teaching and learning strategies	
Strategy	

10. Course structure					
Evaluation method	Learning method	Name of unit or topic	Required learning outcomes	watches	week
Feedback	Practical + Theoretical	Definition of classification and its functions	Bachelor's	4	1
Feedback	Practical + Theoretical	History of classification and types of classification systems	Bachelor's	4	2
Evaluation Cognitive	Practical + Theoretical	Features and specifications of a good classification system and the importance of classification for libraries	Bachelor's	4	3
Daily test	Practical + Theoretical	Dewey Decimal Classification System: General Features and Characteristics of the System	Bachelor's	4	4
direct question	Practical + Theoretical	Components of the Dewey Decimal Classification System	Bachelor's	4	5
Self-assessment	Practical + Theoretical	Symbol definition, types of	Bachelor's	4	6

		symbols and symbol functions			
Feedback	Practical + Theoretical	Scout: definition, functions and types	Bachelor's	4	7
Cognitive assessment	Practical + Theoretical	General rules for practical classification	Bachelor's	4	8
Feedback	Practical + Theoretical	Practical classification steps practical application in the department library	Bachelor's	4	9
		First monthly exam	Bachelor's		10
Feedback	Practical + Theoretical	Practical application of classification using the three extracts and main tables	Bachelor's	4	11
Cognitive assessment	Practical + Theoretical	Construct classification numbers using the notes in the classification plan.	Bachelor's	4	12
Cognitive assessment	Practical + Theoretical	Practical examples of using the Add Note	Bachelor's	4	13
Daily test	Practical + Theoretical	Practical application	Bachelor's	4	14
Cognitive assessment	Practical + Theoretical	Practical application of classification numbers and auxiliary tables	Bachelor's	4	15
Evaluation Al-Mahari	Practical + Theoretical	Second monthly exam	Bachelor's	4	16
Cognitive assessment	Practical + Theoretical	Composing numbers using Auxiliary	Bachelor's	4	17

		Table No. 1: Table of Uniform Divisions			
Creative Evaluation	Practical + Theoretical	Practical examples of using auxiliary table No. A	Bachelor's	4	18
Cognitive assessment	Practical + Theoretical	Assembling numbers using auxiliary table No. 2	Bachelor's	4	19
Self-assessment	Practical + Theoretical	Table of geographical regions, historical sources, and biographies of people	Bachelor's	4	20
Daily test	Practical + Theoretical	Practical examples of using Auxiliary Table No. 2	Bachelor's	4	21
		Monthly exam	Bachelor's		22
Cognitive assessment	Practical + Theoretical	Number formation using auxiliary table No. 3, sections A, B, C	Bachelor's	4	23
Creative Evaluation	Practical + Theoretical	Practical examples of using the auxiliary table 3	Bachelor's	4	24
Cognitive assessment	Practical + Theoretical	Combining numbers using Auxiliary Table 4 and Table 5	Bachelor's	4	25
Self-assessment	Practical + Theoretical	Practical application on number composition using table 5 and 6. Practical application in the library.	Bachelor's	4	26
Feedback	Practical + Theoretical	Combining numbers	Bachelor's	4	27

		using auxiliary tables 6 and 7			
Skill assessment	Practical + Theoretical	Practical application of number composition using the table	Bachelor's	4	28
Cognitive assessment	Practical + Theoretical	Basics of the Universal Decimal Classification System	Bachelor's	4	29
Feedback	Practical + Theoretical	Composing numbers using auxiliary tables in the Universal Decimal System	Bachelor's	4	30

11. Course Evaluation and Grade Divisions
The grade is distributed out of 100 based on the tasks assigned to the student, such as daily preparation, daily, oral, monthly and written exams, reports, etc.
12. Learning and teaching resources

	Required textbooks (methodology if any)
Dewey Decimal Classification System 22nd Edition .1 A notebook prepared by the subject teacher .2	Main References (Sources)
Universal Decimal Classification System .1 Library of Congress Classification System .2	Recommended supporting books and references (scientific journals, reports...)

Electronic references, websites	Internet sources
	مكتبة الملك فهد الوطنية – الفهرس. https://kfnl.gov.sa/ar/Pages/default.aspx / https://www.aruc.org/ar / الفهرس العربي الموحد
	الفهرس العراقي الموحد- العتبة العباسية https://iquc.org/ / المكتبة الافتراضية العلمية العراقيةhttps://www.ivsl.org/?language=ar :

1. Course name and academic level
AComputer / Second Stage
2. Course code
Arln25F1403
3. Semester/Year
2024-2025/ Annual
4. Date this description was prepared
22/9/ 2024
5. Available forms of attendance
In-person and online
6. Number of study hours (total) / Number of units (total)
4
7. Name of the course supervisor (if more than one name is mentioned) and academic title.
Name: M.M. Majd Maysar Abdel-Baqi Email: majd.moayser@uomosul.edu.iq
8. Course objectives

			Course objectives
1. Learn to use Microsoft tools (Word, Excel, PowerPoint). 2. Develop computer skills and productivity. 3. Improve problem-solving and communication skills. 4. Preparing students for the labor market			

9. Teaching and learning strategies	
brainstorming group education	Strategy

10. Course structure

Evaluation method	Learning method	Name of unit or topic	Required learning outcomes	watches	week
Written and oral	theory+ Operation	conceptWord program	Bachelor's S	4	1
Written and oral	theory+ Operation	Explanation of the file tab in Word	Bachelor's	4	2
Written and oral	theory+ Operation	Explanation of the Home tab in Word	Bachelor's	4	3
Written and oral	theory+ Operation	Explanation of the Insert tab in Word	Bachelor's	4	4
Written and oral	theory+ Operation	Explanation of the Design tab in Word	Bachelor's	4	5
Written and oral	theory+ Operation	Explanation of the Layout tab in Word	Bachelor's	4	6
Written and oral	theory+ Operation	Format tab explanation	Bachelor's	4	7
Written and oral	theory+ Operation	Explanation of the References tab in Word	Bachelor's	4	8
Written and oral	theory+ Operation	Explanation of the Correspondence tab in Word	Bachelor's	4	9

Written and oral	theory+ Operation	Explanation of the Review tab in Word	Bachelor's	4	10
Written and oral	theory+ Operation	Explanation of the View tab in Word	Bachelor's	4	11
Written and oral	theory+ Operation	semester exam	Bachelor's	4	12
Written and oral	theory+ Operation	Excel program concept	Bachelor's	4	13
Written and oral	theory+ Operation	Explanation of the file tab in Excel	Bachelor's	4	14
Written and oral	theory+ Operation	Explanation of the Home tab in Excel	Bachelor's	4	15
Written and oral	theory+ Operation	Explanation of the Insert tab in Excel	Bachelor's	4	16
Written and oral	theory+ Operation	Explanation of the Page Layout tab in Excel	Bachelor's	4	17
Written and oral	theory+ Operation	Explanation of the Design tab in Excel	Bachelor's	4	18
Written and oral	theory+ Operation	Explanation of the Layout tab in Excel	Bachelor's	4	19
Written and oral	theory+ Operation	Explanation of the Format tab in Excel	Bachelor's	4	20
Written and oral	theory+ Operation	Explanation of the References tab in Excel	Bachelor's	4	21
Written and oral	theory+ Operation	Explanation of the Correspondence tab in Excel	Bachelor's	4	22
Written and oral	theory+ Operation	Explanation of the Review tab in Excel	Bachelor's	4	23
Written and oral	theory+ Operation	Explanation of the View tab in Excel	Bachelor's	4	24
Written and oral	theory+ Operation	semester exam	Bachelor's	4	25

Written and oral	theory+ Operation	Program conceptthePowerPoint	Bachelor's	4	26
Written and oral	theory+ Operation	Home drawers	Bachelor's	4	27
Written and oral	theory+ Operation	Design + Movements	Bachelor's	4	28
Written and oral	theory+ Operation	Slideshow + Review + Show	Bachelor's	4	29
Written and oral	theory+ Operation	semester exam	Bachelor's	4	30

11. Course Evaluation and Grade Divisions
The grade is distributed out of 100 based on the tasks assigned to the student, such as daily preparation, daily, oral, monthly and written exams, reports, etc.

12. Learning and teaching resources	
There are no textbooks.	Required textbooks (methodology if any)
Ziad Mahmoud Abboud ... and others. Computer Basics and Office Applications	Main References (Sources)
	Recommended supporting books and references (scientific journals, reports...)
	Electronic references, websites

1. Course name and academic level
Parameter measurements/stageSecond

2. Course code
<mark>ITKL-408</mark>

3. Semester/Year
2024-2025   annual

4. Date this description was prepared
12/9/2024

5. Available forms of attendance
My presence

6. Number of study hours (total) / Number of units (total)
5hour / 5 units

7. Name of the course supervisor (if more than one name is mentioned) and academic title.
Name: Omar Tawfiq Abdel Qader Email:omof80@uomosul.edu.iq

8. Course objectives

6. Review of information metrics related to information and library studies and their laws 7. Discuss the most important laws and their application	Course objectives

9. Teaching and learning strategies

brainstorming group education	Strategy

10. Course structure

Evaluation method	Learning method	Name of unit or topic	Required learning outcomes	watches	week
Written and oral	theory	The concept of information measurements	Bachelor'sS	4	1
Written and oral	theory	The importance of information measurements	Bachelor's	4	2
Written and oral	theory	Factors affecting information measurements	Bachelor's	4	3
Written and oral	theory	Historical development of terms	Bachelor's	4	4
Written	theory	Areas of application of	Bachelor's	4	5

and oral		information measurements			
Written and oral	theory	Information Society Measurements	Bachelor's	4	6
Written and oral	theory	Information measurement laws	Bachelor's	4	7
Written and oral	theory	Stroop's law	Bachelor's	4	8
Written and oral	theory	Booth's Law	Bachelor's	4	9
Written and oral	theory	Brooks' Law	Bachelor's	4	10
Written and oral	theory	Pareto's Law	Bachelor's	4	11
Written and oral	theory	Lotka's Law of Scientific Productivity	Bachelor's	4	12
Written and oral	theory	Bradford's law of dispersion	Bachelor's	4	13
Written and oral	theory	Zieve's Law of Linguistics	Bachelor's	4	14
Written and oral	theory	The relationship between laws	Bachelor's	4	15
Written and oral	theory	Reference citations	Bachelor's	4	16
Written and oral	theory	Sites that mention cited sources	Bachelor's	4	17
Written and oral	theory	Martyrdom and non-martyrdom	Bachelor's	4	18
Written and oral	theory	Citation analysis	Bachelor's	4	19
Written and oral	theory	Reference citation rate	Bachelor's	4	20
Written and oral	theory	Impact factor	Bachelor's	4	21
Written and oral	theory	Measuring mutual influence	Bachelor's	4	22
Written and oral	theory	Reference citation exchange	Bachelor's	4	23
Written and oral	theory	Measuring the impact of intellectual production on the time factor	Bachelor's	4	24
	theory	Citations in the electronic environment	Bachelor's	4	25
Written and oral	theory	Hyperlinks and interlinks	Bachelor's	4	26
Written and oral	theory	The difference between citation and links	Bachelor's	4	27
Written	theory	Hyperlink analysis	Bachelor's	4	28

and oral					
Written and oral	theory	Web Impact Factor	Bachelor's	4	29
Written and oral	theory	Link analysis applications	Bachelor's	4	30

11. Course Evaluation and Grade Divisions
The grade is distributed out of 100 based on the tasks assigned to the student, such as daily preparation, daily, oral, monthly and written exams, reports, etc.

12. Learning and teaching resources	
There are no textbooks.	Required textbooks (methodology if any)
Hasnaa Mahmoud Mahgoub, Information Measurements, Alexandria, Scientific Culture House, 2009	Main References (Sources)
	Recommended supporting books and references (scientific journals, reports...)
3. a baseFor the Unified Iraqi Index - Al-Abbas's Holy Shrine/https://iquc.org/ 4. Iraqi Digital Repository/https://iqdr.iq/ 5. Iraqi Digital Library/https://www.ivsl.org/ 6. OCLC /https://www.oclc.org/en/home.html?redirect=true 7. Word cat/https://www.oclc.org/en/worldcat.html 8. MARC /https://www.loc.gov/marc/ 9. Directory of Open Access Journals/https://doaj.org/ 10. Library of Congresshttps://www.loc.gov/ 11. International Federation of Library Associationshttps://repository.ifla.org/ 12. Computerized library catalogshttps://www.oclc.org/en/home.html	Electronic referencesAndInternet sites

1. Course name and academic level	
Information Technology/ Third Stage	
2. Course code	
ArIn25F1308	
3. Semester/Year	
Annual - 2024/2025	
4. Date this description was prepared	
21/9/2024	
5. Available forms of attendance	
9 attendance	
6. Number of study hours (total) / Number of units (total)	
4	
7. Name of the course supervisor (if more than one name is mentioned) and academic title.	
Name: Asmaa Ghanem Ramadan Email:asmaa2020@uomosul.edu.iq	
8. Course objectives	
Course objectives	• The material is being edited.supplyStudentsWith the knowledge and technical skills that qualify them to efficiently navigate the modern work environment in information institutions, such as libraries, documentation centers, and archives. The most important objectives are as follows: • Understanding Technical Basics: Introducing students to the concepts of information technology, its components,

and the types of software and hardware used in libraries.	
• Acquire practical technical skills: enable students to use computers and their applications, such as word processing programs, databases, and library management systems.	
• To identify the development of the use of information technology as a source of information in libraries..	
• Digital Transformation: Qualifying them to understand the digital transformation processes in libraries and the digital services provided to beneficiaries.	
• Preparing them for the job market: Preparing students for the evolving, technology-dependent job market and enabling them to interact with stakeholders through modern means.	

9. Teaching and learning strategies

	Strategy

10. Course structure

Evaluation method	Learning method	Name of unit or topic	Required learning outcomes	watches	week
Feedback	Theoretical	The concept of information technology	Bachelor's	2	1
Feedback	Theoretical	Advantages of using information technology, libraries and information centers	Bachelor's	2	2
Evaluation	Practical +	audio materials	Bachelor's	2	3

Cognitive	Theoretical				
Daily test	Theoretical	CDs and audio tapes as a source of information	Bachelor's	2	4
direct question	Practical + Theoretical	Visual information sources	Bachelor's	2	5
Self-assessment	Practical + Theoretical	TransparenciesAs a source of information	Bachelor's	2	6
Feedback	Theoretical	Film thumbnailsAs a source of information	Bachelor's	2	7
Cognitive assessment	Theoretical	Audiovisual resources	Bachelor's	2	8
Feedback	Practical + Theoretical	TV and videoAs a source of information	Bachelor's	2	9
		First monthly exam	Bachelor's	2	10
Feedback	Theoretical	Smart interactive whiteboard in libraries	Bachelor's	2	11
Cognitive assessment	Practical + Theoretical	Computers in Libraries	Bachelor's	2	12
Cognitive assessment	Theoretical	Reasons for using computers in libraries and information centers	Bachelor's	2	13
Daily test	Practical + Theoretical	Use of computers in the field of indexing	Bachelor's	2	14
Cognitive assessment	Theoretical	computer useinareaSupply	Bachelor's	2	15
Evaluation Al-Mahari	Practical + Theoretical	Second monthly exam	Bachelor's	2	16
Cognitive assessment	Theoretical	Use of computer in the field ofLoan	Bachelor's	2	17
Creative Evaluation	Practical + Theoretical	Use of computer in the field ofCurrent briefing	Bachelor's	2	18
Cognitive assessment	Practical + Theoretical	Information technology and its	Bachelor's	2	19

	l	role in libraries				
Self-assessment	Theoretical	The importance of information and the challenges of information technology in libraries	Bachelor's		2	20
Daily test	Practical + Theoretical	The impact of technology on libraries	Bachelor's		2	21
		Monthly exam	Bachelor's		2	22
Cognitive assessment	Theoretical	The most important technologies used in libraries	Bachelor's		2	23
Creative Evaluation	Theoretical	Concepts related to information technology in university libraries	Bachelor's		2	24
Cognitive assessment	Theoretical	The importance of using information technology in university libraries	Bachelor's		2	25
Self-assessment	Practical	Examples of information technology application in libraries	Bachelor's		2	26
Feedback	Practical + Theoretical	The impact of technology on university libraries	Bachelor's		2	27
Skill assessment	Practical + Theoretical	Artificial intelligence and its role in improving library efficiency	Bachelor's		2	28
Cognitive assessmen t	Practical + Theoretical	Benefits and applicationsartificial intelligenceIn libraries	Bachelor's		2	29
Feedback	Practical + Theoretical	Techniquesartificial intelligenceIn libraries	Bachelor's		2	30

	11. Course Evaluation and Grade Divisions
	The grade is distributed out of 100 based on the tasks assigned to the student, such as daily preparation, daily, oral, monthly and written exams, reports, etc.
	12. Learning and teaching resources
	Required textbooks (methodology if any)
Information Technology .3 information technology .4	Main References (Sources)
Artificial Intelligence in .3 Libraries	Recommended supporting books and references (scientific journals, reports...)
Iraqi Virtual Scientific .1 Library:https://www.ivsl.org/?language=ar Iraqi Digital .2 Repository/https://iqdr.iq/ Iraqi Digital .3 Library/https://www.ivsl.org/	Electronic references, websites

1. Course name and academic level
digital repositories/stageFourth

2. Course code
ITKL-401

3. Semester/Year
2024-2025   annual

4. Date this description was prepared
12/9/2024

5. Available forms of attendance
My presence

6. Number of study hours (total) / Number of units (total)

4hour / 5 units

7. Name of the course supervisor (if more than one name is mentioned) and academic title.

Name: Omar Tawfiq Abdel Qader Email:omof80@uomosul.edu.iq

8. Course objectives

	Course objectives
8. Defining the concept of digital repositories, their tools, models, and the most important initiatives they have achieved. 9. Study of digital repository systems, related software and applications, and their application in the field of libraries and information.	

9. Teaching and learning strategies

	Strategy
brainstorming group education	

10. Course structure					
Evaluation method	Learning method	Name of unit or topic	Required learning outcomes	watches	week
Written and oral	theory	Free access to information: its concept, characteristics and advantages	Bachelor'sS	4	1
Written and oral	theory	Global Open Access Initiatives	Bachelor's	4	2
Written and oral	theory	Open access tools for information	Bachelor's	4	3
Written and oral	theory	Paths and methods of open access to information	Bachelor's	4	4
Written and oral	theory	Challenges and limitations of free access to information	Bachelor's	4	5
Written and oral	theory	Digital repositories: concept, elements, and types	Bachelor's	4	6
Written and oral	theory	Types of digital repositories	Bachelor's	4	7

Written and oral	theory	Objectives, characteristics, advantages and disadvantages of digital repositories	Bachelor's	4	8
Written and oral	theory	Structuring digital repositories	Bachelor's	4	9
Written and oral	theory	Open source digital warehouse management systems	Bachelor's	4	10
Written and oral	theory	Basic services for digital warehouse management systems	Bachelor's	4	11
Written and oral	theory	Metadata in digital repositories	Bachelor's	4	12
Written and oral	theory	Digital Repository Evaluation Criteria	Bachelor's	4	13
Written and oral	theory	Stages of building and implementing a digital repository	Bachelor's	4	14
Written and oral	theory	Application of some software related to the digital repository	Bachelor's	4	15
Written and oral	theory	The concept of the green road and the golden road	Bachelor's	4	16
Written and oral	theory	Cambridge University Repository	Bachelor's	4	17
Written and oral	theory	University of Portsmouth Repository	Bachelor's	4	18
Written and oral	theory	Qatar University Repository	Bachelor's	4	19
Written and oral	theory	King Abdulaziz University Warehouse	Bachelor's	4	20
Written and oral	theory	Iraqi Scientific Repository	Bachelor's	4	21
Written and oral	theory	DSpace system	Bachelor's	4	22
Written and oral	theory	Fedora Repository System	Bachelor's	4	23
Written and oral	theory	iPrints Warehouse System	Bachelor's	4	24
	theory	Software supporting the construction of a digital repository	Bachelor's	4	25
Written and oral	theory	Database Tools	Bachelor's	4	26

Written and oral	theory	Programming language tools	Bachelor's	4	27
Written and oral	theory	Technical and software support tools	Bachelor's	4	28
Written and oral	theory	Proposal to build an integrated digital repository	Bachelor's	4	29
Written and oral	theory	Challenges and obstacles facing warehouse construction	Bachelor's	4	30

11. Course Evaluation and Grade Divisions
The grade is distributed out of 100 based on the tasks assigned to the student, such as daily preparation, daily, oral, monthly and written exams, reports, etc.

12. Learning and teaching resources	
There are no textbooks.	Required textbooks (methodology if any)
Ibrahim Karthio, Digital Repositories and Open Access to Information: A Project to Build and Implement a Digital Repository for Information and Library Studies, 2010	Main References (Sources)
	Recommended supporting books and references (scientific journals, reports...)
13. a baseFor the Unified Iraqi Index - Al-Abbas's Holy Shrine/https://iquc.org/ 14. Iraqi Digital Repository/https://iqdr.iq/ 15. Iraqi Digital Library/https://www.ivsl.org/ 16. OCLC /https://www.oclc.org/en/home.html?redirect=true 17. Word cat/https://www.oclc.org/en/worldcat.html 18. MARC /https://www.loc.gov/marc/ 19. Directory of Open Access Journals/https://doaj.org/ 20. Library of Congresshttps://www.loc.gov/ 21. International Federation of Library Associationshttps://repository.ifla.org/ 22. Computerized library catalogshttps://www.oclc.org/en/home.html	Electronic referencesAndInternet sites

1. Course name and academic level
AFor practical application / fourth stage
2. Course code
Arln25F1409
3. Semester/Year
2024-2025/ Annual
4. Date this description was prepared
22/9/ 2024
5. Available forms of attendance
In-person and online
6. Number of study hours (total) / Number of units (total)
4
7. Name of the course supervisor (if more than one name is mentioned) and academic title.

Name: M.M. Majd Maysar Abdel-Baqi Email:

majd.moayser@uomosul.edu.iq

Name: M.M. Shaza Ahmed Dhnoon Email:

shatha.thanon@uomosul.edu.iq

8. Course objectives	
• Developing student skills in technical procedures and user service activities in the library.	Course objectives
9. Teaching and learning strategies	
brainstorming group education	Strategy

Evaluation method	Learning method	Name of unit or topic	Required learning outcomes	watches	week
		10. Course structure			
Written and oral	Process + Theory	Introduction to the course material	Bachelor'sS	4	1
Written and oral	Process + Theory	Detailed explanation of the administrative and organizational structureThe main sections of the library	Bachelor's	4	2
Written and oral	Process + Theory	Detailed explanation of the dedication section	Bachelor's	4	3
Written and oral	practical	Practical application on how to record sources in dedication records	Bachelor's	4	4
Written and oral	practical	Detailed explanation of the supply section	Bachelor's	4	5
Written and oral	practical	Practical application for recording sources in supply records	Bachelor's	4	6
Written and oral	practical	Practical application on how to stamp various sources with library stamps and record the registration number	Bachelor's	4	7
Written and oral	practical	A detailed explanation of the Indexing and Classification Unit and its various activities	Bachelor's	4	8
Written and oral	practical	Practical training on indexing Arabic books	Bachelor's	4	9
Written and oral	practical	Practical training on indexing foreign books	Bachelor's	4	10
Written and oral	practical	Practical training on indexing	Bachelor's	4	11

		foreign books			
Written and oral	practical	Practical training on indexing Arabic theses and dissertations	Bachelor's	4	12
Written and oral	practical	Practical training on indexing foreign theses and dissertations	Bachelor's	4	13
Written and oral	practical	Practical training on classifying Arabic books and theses	Bachelor's	4	14
Written and oral	theory+ Operation	monthly test	Bachelor's	4	15
Written and oral	practical + Theory	Practical training on how to extract subject headings and use subject heading lists	Bachelor's	4	16
Written and oral	Process + Theory	Practical training on how to create assignment numbers (CTR) for Arabic and foreign author names.	Bachelor's	4	17
Written and oral	practical	Practical training on sorting and arranging index cards	Bachelor's	4	18
Written and oral	practical	Practical training on how to enter index cards according to author names, titles, and subject headings.	Bachelor's	4	19
Written and oral	practical	Practical training in the Reference Unit on how to arrange books on shelves and procedures for borrowing reference books.	Bachelor's	4	20
Written and oral	practical	Practical training in the dissertations unit on how to arrange dissertations on shelves and loan procedures	Bachelor's	4	21

Written and oral	practical	Practical training in the periodicals unit on how to record the number of periodicals in the registers and arrange the periodicals shelves.	Bachelor's	4	22
Written and oral	practical	Practical training in the lending unit on book return procedures and organizing library IDs.	Bachelor's	4	23
Written and oral	practical	Practical training in the book hall on external loan procedures and organizing book shelves according to classification numbers.	Bachelor's	4	24
Written and oral	practical	Practical training on automated indexing of Arabic books according to the MARC format	Bachelor's	4	25
Written and oral	practical	Practical training on importing foreign records from global catalogs	Bachelor's	4	26
Written and oral	practical	Practical training in the computer lab hall	Bachelor's	4	27
Written and oral	practical	A detailed explanation of the Iraqi Virtual Scientific Library	Bachelor's	4	28
Written and oral	practical	Preparing a report on the tasks and activities of the library units	Bachelor's	4	29
Written and oral	theory+ Operation	monthly test	Bachelor's	4	30

11. Course Evaluation and Grade Divisions

The grade is distributed out of 100 based on the tasks assigned to the student, such as daily preparation, daily, oral, monthly and written exams, reports, etc.	
12. Learning and teaching resources	
There are no textbooks.	Required textbooks (methodology if any)
A SERIES OF PRACTICAL ACTIVITIES ON LIBRARY TECHNICAL PROCEDURES, INCLUDING PRACTICAL TRAINING ON ACQUISITION, CATALOGING, CLASSIFICATION, DONATION, AND USER SERVICES.	Main References (Sources)
Information and Library Journals	Recommended supporting books and references (scientific journals, reports...)
The information and sources available on the sites aboutPractical application	Electronic references, websites

1. Course name and academic level
Website management/stageThird
2. Course code
ITKL-320
3. Semester/Year
2024-2025   annual
4. Date this description was prepared
12/9/2024
5. Available forms of attendance
My presence

6. Number of study hours (total) / Number of units (total)
4hour / 5 units

7. Name of the course supervisor (if more than one name is mentioned) and academic title.
Name: Omar Tawfiq Abdel Qader Email: omof80@uomosul.edu.iq

8. Course objectives

Course objectives
10. DefinitionWebsites, their management methods, challenges, obstacles, methods and advantages 11. Student definitionforThe most important software for managing websites and using artificial intelligence in them

9. Teaching and learning strategies

Strategy
brainstorming group education

10. Course structure

Evaluation method	Learning method	Name of unit or topic	Required learning outcomes	watches	week
Written and oral	theory	The concept of websites and their types	Bachelor'sS	4	1
Written and oral	theory	Stages of creating websites	Bachelor's	4	2
Written and oral	theory	Website design languages and programs	Bachelor's	4	3
Written and oral	theory	Technical considerations for websites	Bachelor's	4	4
Written and oral	theory	Website metadata	Bachelor's	4	5
Written and oral	theory	Reasons for creating a library website	Bachelor's	4	6
Written and oral	theory	Website evaluation	Bachelor's	4	7
Written and oral	theory	Evaluation difficulties	Bachelor's	4	8
Written and oral	theory	Website evaluation methods	Bachelor's	4	9
Written and oral	theory	Electronic assessment programs	Bachelor's	4	10

Written and oral	theory	Website evaluation criteria	Bachelor's	4	11
Written and oral	theory	Website management	Bachelor's	4	12
Written and oral	theory	Website Development Team	Bachelor's	4	13
Written and oral	theory	Strategic dimensions of websites	Bachelor's	4	14
Written and oral	theory	Website quality standards	Bachelor's	4	15
Written and oral	theory	The role of artificial intelligence in website design	Bachelor's	4	16
Written and oral	theory	Search engine optimization for the website	Bachelor's	4	17
Written and oral	theory	Browsing and indexing issues	Bachelor's	4	18
Written and oral	theory	Content input matching issues	Bachelor's	4	19
Written and oral	theory	Factors that influence website appearance in search engines	Bachelor's	4	20
Written and oral	theory	Mobile Optimization	Bachelor's	4	21
Written and oral	theory	Improve your website's visibility in search engines	Bachelor's	4	22
Written and oral	theory	The importance of artificial intelligence in improving the website's visibility on the Internet	Bachelor's	4	23
Written and oral	theory	Website quality	Bachelor's	4	24
	theory	Website quality characteristics	Bachelor's	4	25
Written and oral	theory	The importance of measuring the quality of websites	Bachelor's	4	26
Written and oral	theory	Website quality standards	Bachelor's	4	27
Written and oral	theory	Suggested models for website quality	Bachelor's	4	28
Written and oral	theory	Applying the schedule in the service aspect of the site	Bachelor's	4	29
Written and oral	theory	Comprehensive test and review	Bachelor's	4	30

11. Course Evaluation and Grade Divisions
The grade is distributed out of 100 based on the tasks assigned to the student, such as daily preparation, daily, oral, monthly and written exams, reports, etc.
12. Learning and teaching resources

There are no textbooks.	Required textbooks (methodology if any)
Bassem Shaheen, Website Management: A Real-Life Experience, Arab Administrative Development Organization, 2013	Main References (Sources)
	Recommended supporting books and references (scientific journals, reports...)
23. a baseFor the Unified Iraqi Index - Al-Abbas's Holy Shrine/https://iquc.org/ 24. Iraqi Digital Repository/https://iqdr.iq/ 25. Iraqi Digital Library/https://www.ivsl.org/ 26. OCLC /https://www.oclc.org/en/home.html?redirect=true 27. Word cat/https://www.oclc.org/en/worldcat.html 28. MARC /https://www.loc.gov/marc/ 29. Directory of Open Access Journals/https://doaj.org/ 30. Library of Congresshttps://www.loc.gov/ 31. International Federation of Library Associationshttps://repository.ifla.org/ 32. Computerized library catalogshttps://www.oclc.org/en/home.html	Electronic referencesAndInternet sites

1. Course name and academic level	
EthicsProfession / First stage	
2. Course code	
Arln25F1105 -15	
3. Semester/Year	
2024-2025 / Annual	
4. Date this description was prepared	

12/10/ 2024	
5. Available forms of attendance	
In-person and online	
6. Number of study hours (total) / Number of units (total)	
4	
7. Name of the course supervisor (if more than one name is mentioned) and academic title.	
Name: Shaima Hashem Youssef Email: shimah.hy@uomosul.edu.iq	
8. Course objectives	
• To understand the concept of professional ethics, its most important principles and sources, to understand the importance of professional ethics, the means of establishing professional ethics, the impact of commitment to ethics on job performance, to identify professional associations in the field of libraries and information, the new principles of the information specialist's job, the elements of administrative organization of the library profession, and the professional development of library workers, in addition to the rules of conduct, work ethics, and the most important	Course objectives

professional ethics for workers in the field of information and libraries.					

9. Teaching and learning strategies	
brainstorming group education	Strategy

10. Course structure					
Evaluation method	Learning method	Name of unit or topic	Required learning outcomes	watches	week
Written and oral	theory	The concept of professional ethics	Bachelor'sS	4	1
Written and oral	theory	The importance of professional ethics	Bachelor's	4	2
Written and oral	theory	Sources of professional ethics	Bachelor's	4	3
Written and oral	theory	Values that support the ethical principles of an individual's professional conduct	Bachelor's	4	4
Written and oral	theory	Arab Code of Professional Ethics	Bachelor's	4	5
Written and oral	theory	The emergence and development of the office profession	Bachelor's	4	6
Written and oral	theory	Challenges facing the office profession in the future	Bachelor's	4	7
Written and	theory	Professional	Bachelor's	4	8

oral		associations in the field of libraries and information			
Written and oral	theory	Information Specialist	Bachelor's	4	9
Written and oral	theory	Information Specialist Skills and Tasks	Bachelor's	4	10
Written and oral	theory	New principles for the information specialist job	Bachelor's	4	11
Written and oral	theory	semester exam	Bachelor's	4	12
Written and oral	theory	Some issues and values of dealing with the information profession	Bachelor's	4	13
Written and oral	theory	Elements of administrative organization of the office profession	Bachelor's	4	14
Written and oral	theory	Principles and foundations of office ethics and its most important axes	Bachelor's	4	15
Written and oral	theory	Information and Internet Ethics	Bachelor's	4	16
Written and oral	theory	The emergence and development of codes of professional ethics for the office profession	Bachelor's	4	17
Written and	theory	The most	Bachelor's	4	18

oral		prominent ethical charters and constitutions of the office profession			
Written and oral	theory	Professional Associations and Office Ethics	Bachelor's	4	19
Written and oral	theory	Elements of the Code of Ethics for the Office Profession	Bachelor's	4	20
Written and oral	theory	Professional competence and advancement of the profession	Bachelor's	4	21
Written and oral	theory	Information and Intellectual Property	Bachelor's	4	22
Written and oral	theory	Types of office codes of ethics	Bachelor's	4	23
Written and oral	theory	Professional development for library and information workers	Bachelor's	4	24
Written and oral	theory	The concept of professional development	Bachelor's	4	25
Written and oral	theory	semester exam	Bachelor's	4	26
Written and oral	theory	Distance learning and its role in professional development	Bachelor's	4	27
Written and oral	theory	New roles for training and human development	Bachelor's	4	28

| Written and oral | theory | Office professional services | Bachelor's | 4 | 29 |
| Written and oral | theory | General Principles of Professional Ethics for Library and Information Professionals | Bachelor's | 4 | 30 |

11. Course Evaluation and Grade Divisions
The grade is distributed out of 100 based on the tasks assigned to the student, such as daily preparation, daily, oral, monthly and written exams, reports, etc.

	12. Learning and teaching resources
There are no textbooks.	Required textbooks (methodology if any)
Al-Mu'tasim Billah 1- Hani Ali Abu Al-Kass Professional Ethics and Their Role in the Job Performance of Non-Governmental Organizations in the Gaza Strip / Al-Moatasem Bellah Hani Ali Abu Al-Kas - Master's Thesis 2015 2- Ammar Abdul Latif Abdul Ali, Mu'ayyad	Main References (Sources)

Yahya Khudair / Professional Ethics of Library and Information Workers: The Central Library at the University of Technology as a Model. Journal of Rafidain Literature / Ammar Abdul Latif Abdul Ali, Mu'ayyad Yahya Khudair. Special Issue for the year 2006 3- Fawzia Belalia, Belarabi Association / Information Specialist and Library Ethics in University Libraries: A Field Study in the Central University LibraryITALibrary of the Faculty of Economics, Commerce and Management Sciences, Abdelhamid Ben Badis University / Master's Thesis 2018 4- Zainab Bint Al-Tayeb / Library Ethics and the Reality of Adherence to	

Them in Algerian University Libraries, Batna University Libraries 1 as a Model / Al-Ihya Journal - Volume 22, Issue 31, 2022 5- Adila Ahmed / Library Ethics and its Role in Improving the Job Performance of University Libraries Workers: A Field Study at the Natural and Life Sciences Library at the University of Ouargla / Master's Thesis 2020 6- Baya Lakhal / Office Professional Ethics through Laws and Professional Associations in Algeria - Mentouri University of Constantine as a Model - Master's Thesis 2010	
Information and Library Journals	Recommended supporting books and references (scientific journals, reports...)
Information and sources	Electronic references, websites

available on websites about professional ethics	

.Course Name:
programming systems /Master's
.Course Code:
ITKM-9
.Semester / Year: Academic Year 2023-2024
Semester/Year 2024-2025
.Description Preparation Date:
18/9/2024 – 22/5/2025
.Available Attendance Forms: On campus / Electronic Platform
In-person and Online
.Number of Credit Hours () / Number of Units ():
2
.Course administrator's name (mention all, if more than one name)
Name: wasan sami saddallh Email: wasansami@uomosusl.edu.iq

.Course Objectives	
Course Objectives	**Introducing the student to some programming systems and the importance of using them in the field of specialization.** **• Enables the student to use the systems.**

.Teaching and Learning Strategies	
Strategy	Learning and Teaching Strategies Modern education strategies aim to achieve specific goals to provide opportunities for students to increase their learning abilities and diversity in the methods and implementation of curricula in teaching processes that take into account individual circumstances and the abilities and potential of learners. Learning and teaching are carried out according to the latest self-education tools using the computer and through modern programs in the fields of education.

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
Course Structure					
1	2	Master's	Definition of search engines, how search engines work.	Theory	Editorial and reports
2	2	Master's	Formal characteristics of digital documents, technical characteristics	Theory	Editorial and reports
3	2	Master's	Main reasons for digitization, technical and operational requirements	Theory	Editorial and reports
4	2	Master's	Use of metadata.	Theory	Editorial and reports
5	2	Master's	Legal aspects of digitization: copyright, reliability.	Theory	Editorial and reports
6	2	Master's	Budget: Cost Coverage, Spending Areas 1- Team Development 2- Facilities Management	Theory	Editorial and reports
7	2	Master's	Operating expenses include: source selection and preparation for digitization, digital conversion.	Theory	Editorial and reports
8	2	Master's	Cloud computing, its origins, definition, components, basic characteristics, service models in cloud computing	Theory	Editorial and reports
9	2	Master's	Cloud computing deployment models, benefits of cloud computing, its advantages and disadvantages, cloud computing services in libraries and information centers	Theory	Editorial and reports
10	2	Master's	Exam	Theory	Editorial

					and reports
11	2	Master's	WINISIS system and its applications	Theory	Editorial and reports
12	2	Master's	Koha System: Concept, Features, and Implementation Requirements	Theory	Editorial and reports
13	2	Master's	Koha Subsystems: Procurement, Indexing, and Reference	Theory	Editorial and reports
14	2	Master's	Practical application and entry of several forms of registrations into the system	Theory	Editorial and reports
15	2	Master's	Exam	Theory	Editorial and reports

Course Evaluation.

1- Conducting written tests (Midyear and final) through some questions on the subject of the study material to know the extent of their comprehension of the subject
2-Quiz (short exam)
3-Practical
4- Attendance of students and assessment through interactive learning

Required textbooks (curricular books, if any)	There are no textbooks.
Main references (sources)	Online lecture and research with systems application
Recommended books and references (scientific journals, reports...)	Magazines and reports
Electronic References, Websites مكتبة النور /https://www.noor-book.com/ مكتبة الكتب /https://books-library.ne 21. مكتبة الاسكندرية 1. /https://www.bibalex.org/ar/	

1. Course name and academic level

	Arabic	/stage Second

2. Course code
ArIn25F1201

3. Semester/Year
2024-2025   annual

4. Date this description was prepared
12/9/2024

5. Available forms of attendance
My presence

6. Number of study hours (total) / Number of units (total)
2hour / 2 units

7. Name of the course supervisor (if more than one name is mentioned) and academic title.
Name: M.M. Islam Siddiq Hamid Email: islam.s@uomosul.edu.iq

8. Course objectives	
the goal from teaching material the language Arabic Empowerment The student from use rules the language Arabic In use right And avoid falling in error verbal And spelling Please on development taste Literary I have The student until realizes Aspects aesthetics in Methods speech.	Course objectives

9. Teaching and learning strategies	
to explain The material Scientific For students In a way Detailed Storm mental group education	Strategy

10. Course structure					
Evaluation method	Learning method	Name of unit or topic	Required learning outcomes	watches	week
Written and oral	theory	Introductory lecture	Bachelor'sS	2	1
Written and oral	theory	Explanation of the types of	Bachelor's	2	2

		objects in the Arabic language			
Written and oral	theory	The object and its parts	Bachelor's	2	3
Written and oral	theory	Rules of the direct object	Bachelor's	2	4
Written and oral	theory	The object with it	Bachelor's	2	5
Written and oral	theory	The accusative case of the object with the preposition	Bachelor's	2	6
Written and oral	theory	exam	Bachelor's	2	7
Written and oral	theory	The object and its types	Bachelor's	2	8
Written and oral	theory	Types of circumstances	Bachelor's	2	9
Written and oral	theory	Adverbial accusative	Bachelor's	2	10
Written and oral	theory	Adverbial clause	Bachelor's	2	11
Written and oral	theory	Adverbial phrase	Bachelor's	2	12
Written and oral	theory	The inflected and uninflected adverbial	Bachelor's	2	13
Written and oral	theory	review	Bachelor's	2	14
Written and oral	theory	exam	Bachelor's	2	15
Written and oral	theory	The absolute object	Bachelor's	2	16
Written and oral	theory	Deletion of the absolute object factor	Bachelor's	2	17
Written and oral	theory	The purpose and its conditions	Bachelor's	2	18
Written and oral	theory	Conditions of the object for which	Bachelor's	2	19
Written and oral	theory	exam	Bachelor's	2	20
Written and oral	theory	Study of a literary prose text	Bachelor's	2	21

Written and oral	theory	Text analysis	Bachelor's	2	22
Written and oral	theory	Number and its parsing	Bachelor's	2	23
Written and oral	theory	Types of exception clauses	Bachelor's	2	24
	theory	The vocative and its grammatical cases	Bachelor's	2	25
Written and oral	theory	Say and don't say (common language mistakes).	Bachelor's	2	26
Written and oral	theory	Dependents / Adjectives / Affirmative	Bachelor's	2	27
Written and oral	theory	Compassion/substitution	Bachelor's	2	28
Written and oral	theory	exam	Bachelor's	2	29
Written and oral	theory	review	Bachelor's	2	30

11. Course Evaluation and Grade Divisions
The grade is distributed out of 100 based on the tasks assigned to the student, such as daily preparation, daily, oral, monthly and written exams, reports, etc.
40 degrees distributed as shown below:
10 on preparation and participation
10 on daily exams
20 on monthly exams
60 on the final exam

12. Learning and teaching resources	
There are no textbooks.	Required textbooks (methodology if any)
to explain son Aqil And with him book Scholarship Galilee By achieving to explain son Aqil-Composition:Abdullah son Aqil Al-Aqili-investigation:Mohammed eraser Religion slave The Praised	Main References (Sources)
_summary rules Arabic/Fouad blessing. _basics in the language Arabic rules And application.	Recommended supporting books and references (scientific journals, reports...)

	Electronic referencesAndInternet sites
1. a baseFor the Unified Iraqi Index - Al-Abbas's Holy Shrine/https://iquc.org/ 2. Iraqi Digital Repository/https://iqdr.iq/ 3. Iraqi Digital Library/https://www.ivsl.org/ 4. OCLC /https://www.oclc.org/en/home.html?redirect=true 5. Word cat/https://www.oclc.org/en/worldcat.html 6. MARC /https://www.loc.gov/marc/ 7. Directory of Open Access Journals/https://doaj.org/ 8. Library of Congresshttps://www.loc.gov/ 9. International Federation of Library Associationshttps://repository.ifla.org/ 10. Computerized library catalogshttps://www.oclc.org/en/home.html	

1. Course name and academic level
stage/ First
2. Course code ArIn25F1101
<mark>ITKL-11</mark>
3. Semester/Year
2024-2025 annual
4. Date this description was prepared
12/9/2024
5. Available forms of attendance
My presence
6. Number of study hours (total) / Number of units (total)
2hour / 2 units
7. Name of the course supervisor (if more than one name is mentioned) and academic title.
Name: M.M. Islam Siddiq Hamid Email: islam.s@uomosul.edu.iq
8. Course objectives

	Course objectives
the goal from teaching material the language Arabic Empowerment The student from use rules the language Arabic	

In use right And avoid falling in error verbal And spelling Please on development taste Literary I have The student until realizes Aspects aesthetics in Methods speech.

9. Teaching and learning strategies

Explaining the scientific material to students in detail group education brainstorming	Strategy

10. Course structure

Evaluation method	Learning method	Name of unit or topic	Required learning outcomes	watches	week
Written and oral	theory	Introduction to the Arabic language and its sciences	Bachelor'sS	2	1
Written and oral	theory	Parts of Arabic speech	Bachelor's	2	2
Written and oral	theory	Verbs / Past Tense	Bachelor's	2	3
Written and oral	theory	present tense verb	Bachelor's	2	4
Written and oral	theory	imperative verb	Bachelor's	2	5
Written and oral	theory	exam	Bachelor's	2	6
Written and oral	theory	punctuation marks	Bachelor's	2	7
Written and oral	theory	Punctuation completion	Bachelor's	2	8
Written and oral	theory	Sentence and its structure in the Arabic language	Bachelor's	2	9
Written and oral	theory	Types of subject and its rules	Bachelor's	2	10
Written and oral	theory	exam	Bachelor's	2	11
Written and oral	theory	Types of news and its types	Bachelor's	2	12
Written and oral	theory	Intransitive verbs	Bachelor's	2	13
Written and oral	theory	Verb–like letters	Bachelor's	2	14
Written and oral	theory	exam	Bachelor's	2	15

Written and oral	theory	Rules for writing the hamza	Bachelor's	2	16
Written and oral	theory	The medial and extreme hamza	Bachelor's	2	17
Written and oral	theory	Interrogative style	Bachelor's	2	18
Written and oral	theory	Open taa and closed taa	Bachelor's	2	19
Written and oral	theory	exam	Bachelor's	2	20
Written and oral	theory	How to find words in the dictionary	Bachelor's	2	21
Written and oral	theory	The difference between the letters Dhad and Tha	Bachelor's	2	22
Written and oral	theory	Characteristics of good style	Bachelor's	2	23
Written and oral	theory	The art of letters	Bachelor's	2	24
	theory	exam	Bachelor's	2	25
Written and oral	theory	Masculine and feminine number	Bachelor's	2	26
Written and oral	theory	Solar and lunar lam	Bachelor's	2	27
Written and oral	theory	Classical poetry and free verse	Bachelor's	2	28
Written and oral	theory	review	Bachelor's	2	29
Written and oral	theory	review	Bachelor's	2	30

11. Course Evaluation and Grade Divisions
The grade is distributed out of 100 based on the tasks assigned to the student, such as daily preparation, daily, oral, monthly and written exams, reports, etc.   40 degrees distributed as shown below: 10 on preparation and participation

10 on daily exams 20 on monthly exams 60 on the final exam	
12. Learning and teaching resources	
There are no textbooks.	Required textbooks (methodology if any)
to explain son Aqil And with him book Scholarship Galilee By achieving to explain son Aqil-Composition:Abdullah son Aqil Al-Aqili-investigation:Mohammed eraser Religion slave The Praised	Main References (Sources)
1- summary rules Arabic/Fouad blessing. 2- Basics in the language Arabic rules And application.	Recommended supporting books and references (scientific journals, reports...)
1. a baseFor the Unified Iraqi Index - Al-Abbas's Holy Shrine/https://iquc.org/ 2. Iraqi Digital Repository/https://iqdr.iq/ 3. Iraqi Digital Library/https://www.ivsl.org/ 4. OCLC /https://www.oclc.org/en/home.html?redirect=true 5. Word cat/https://www.oclc.org/en/worldcat.html 6. MARC /https://www.loc.gov/marc/ 7. Directory of Open Access Journals/https://doaj.org/ 8. Library of Congresshttps://www.loc.gov/ 9. International Federation of Library Associationshttps://repository.ifla.org/ 10. Computerized library catalogshttps://www.oclc.org/en/home.html	Electronic referencesAndInternet sites

.Course Name: computer
Computer / first class
.Course Code:
ITKL-111
.Semester / Year: Academic Year 2024-2025

.Description Preparation Date:	
19/11/2024	
.Available Attendance Forms: On campus / Electronic Platform	
On campus and Electronic Platform	
.Number of Credit Hours () / Number of Units ():	
4/4	
.Course administrator's name (mention all, if more than one name)	
Name: Rami Rakan Arab Email: ramirakan86@uomosul.edu.iq	
.Course Objectives	
Course Objectives	1. Computer Hardware Fundamentals 2. Types of Computers and Components 3. Computer Security and Viruses 4. Basic Computer Skills 5. Introduction to the Internet
.Teaching and Learning Strategies	
Strategy	1. Brainstorming 2. Collaborative Learning 3. Reciprocal Teaching

Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	4	Bachelor's	The Origin of Computers	Conceptual material	Written exam and Oral exam
2	4	Bachelor's	Types, Classifications, and Generations of Computers	Conceptual material	Written exam and Oral exam
3	4	Bachelor's	Computer Components	Conceptual	Written exam

					material	and Oral exam
4	4	Bachelor's	Main Parts of a Computer	Practical	Written exam and Oral exam
5	4	Bachelor's	Central Processing Unit (CPU) and Its Components	Conceptual material	Written exam and Oral exam
6	4	Bachelor's	Input and Output Devices	Conceptual material	Written exam and Oral exam
7	4	Bachelor's	Memory and Its Types	Conceptual material	Written exam and Oral exam
8	4	Bachelor's	Programming Languages, Their Levels, and Major Operating Systems	Conceptual material	Written exam and Oral exam
9	4	Bachelor's	How a Computer Works	Practical	Written exam and Oral exam
10	4	Bachelor's	Fields of Computer Use	Conceptual material	Written exam and Oral exam
11	4	Bachelor's	Computer Use in Information Management and Libraries	Conceptual material	Written exam and Oral exam
12	4	Bachelor's	Operating System	Conceptual material	Written exam and Oral exam
13	4	Bachelor's	Desktop Components	Conceptual material	Written exam and Oral exam
14	4	Bachelor's	Taskbar and Notification Area	Conceptual material	Written exam and Oral exam
15	4	Bachelor's	Working with a Computer	Conceptual material	Written exam and Oral exam
16	4	Bachelor's	Creating Folders, Cut and Paste Operations	Practical	Written exam and Oral exam
17	4	Bachelor's	Viewing Computer Specifications and Operating the System	Conceptual material	Written exam and Oral exam
18	4	Bachelor's	Keyboard Shortcuts	Conceptual material	Written exam and Oral exam
19	4	Bachelor's	Installing and Uninstalling Software	Conceptual material	Written exam and Oral exam
20	4	Bachelor's	Information Security	Conceptual material	Written exam and Oral exam
21	4	Bachelor's	Conditions and Methods for Information Protection	Conceptual material	Written exam and Oral exam
22	4	Bachelor's	Computer Security and Hacking	Conceptual material	Written exam and Oral exam
23	4	Bachelor's	Privacy and Data Protection	Conceptual material	Written exam and Oral exam
24	4	Bachelor's	Securing and Protecting Personal Computers	Conceptual material	Written exam and Oral exam

25	4	Bachelor's	Viruses, Their Types, and Protection Methods	Conceptual material	Written exam and Oral exam
26	4	Bachelor's	The Internet: Origin, Concept, and Features	Conceptual material	Written exam and Oral exam
27	4	Bachelor's	Networks and Their Types	Conceptual material	Written exam and Oral exam
28	4	Bachelor's	The World Wide Web (WWW)	Conceptual material	Written exam and Oral exam
29	4	Bachelor's	Web Browsers	Conceptual material	Written exam and Oral exam
30	4	Bachelor's	Search Engines	Conceptual material	Written exam and Oral exam

.Course Evaluation

1- Conducting written tests (Midyear and final) through some questions on the subject of the study material to know the extent of their comprehension of the subject

2-Quiz (short exam)

3-Practical

4- Attendance of students and assessment through interactive learning

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Required textbooks (curricular books, if any)	
Main references (sources)	Ziad Mahmoud Abboud ... and others. Computer Basics and Office Applications
Recommended books and references (scientific journals, reports...)	
Electronic References, Websites	

.Course Name:

Bibliometrics/Master's

.Course Code:

ITKM-4

.Semester / Year: Academic Year 2023-2024

Semester/Year 2024-2025

.Description Preparation Date:

18/9/2024 – 22/5/2025

.Available Attendance Forms: On campus / Electronic Platform

In-person and Online

	.Number of Credit Hours () / Number of Units ():				
	2				
	.Course administrator's name (mention all, if more than one name)				
	Name: wasan sami saddallh b				
	Email: wasansami@uomosusl.edu.iq				
	.Course Objectives				
Course Objectives	**The objectives of the course are to introduce students to the concept of information metrics, their types, the importance of metrics, the factors affecting metrics, the main trends in library metrics, and to identify the most important bibliometric metrics, reference citations, and spatial metrics. Electronic**				
0.	Teaching and Learning Strategies				
Strategy	Learning and Teaching Strategies

Modern education strategies aim to achieve specific goals to provide opportunities for students to increase their learning abilities and diversity in the methods and implementation of curricula in teaching processes that take into account individual circumstances and the abilities and potential of learners. Learning and teaching are carried out according to the latest self-education tools using the computer and through modern programs in the fields of education. | | | | |
| | .Course Structure | | | | |

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	2	Master's	The concept of information metrics and their importance to libraries	Theory	Editorial and reports
2	2	Master's	The most important factors affecting metrics and the most important metrics	Theory	Editorial and reports

3	2	Master's	The laws of information metrics	Theory	Editorial and reports
4	2	Master's	Lotka's Law of Productivity Bradford's Law of Dispersion Reference Citations	Theory	Editorial and reports
5	2	Master's	Bradford's Law of Dispersion	Theory	Editorial and reports
6	2	Master's	Reference Citations	Theory	Editorial and reports
7	2	Master's	Applications of Paired Bibliographic Citations	Theory	Editorial and reports
8	2	Master's	Exam	Theory	Editorial and reports
9	2	Master's	Citations in the Electronic Environment	Theory	Editorial and reports
10	2	Master's	Web Impact Factor and Calculations	Theory	Editorial and reports
11	2	Master's	The Difference Between Hyperlinks and Interlinks	Theory	Editorial and reports
12	2	Master's	The Semantic Web	Theory	Editorial and reports
13	2	Master's	Cyberspace Metrics	Theory	Editorial and reports
14	2	Master's	Web Page Content Analysis	Theory	Editorial and reports
15	2	Master's	Bibliographic Reference Analysis	Theory	Editorial and reports

2. Course Evaluation

1- Conducting written tests (Midyear and final) through some questions on the subject of the study material to know the extent of their comprehension of the subject
2-Quiz (short exam)
3-Practical
4- Attendance of students and assessment through interactive learning

3.

Required textbooks (curricular books, if any)	There are no textbooks.
Main references (sources)	Online lectures and research with systems application
Recommended books and references (scientific journals, reports...)	Magazines and reports

Electronic References, Websites مكتبة النور /https://www.noor-book.com/ https://books-library.ne / مكتبة الكتب.22 مكتبة الاسكندرية 2. / https://www.bibalex.org/ar/	What is available online about programming systems

4.	Course Name:
Information economics and marketing_ class two	
5.	Course Code:
ITKL_29	
6.	Semester / Year: Academic Year 2023-2024
2023-2024	
7.	Description Preparation Date:
2023\9\21	
8.	Available Attendance Forms: On campus / Electronic Platform
Attendance	
9.	Number of Credit Hours () / Number of Units ():
(3)	
0.	Course administrator's name (mention all, if more than one name)
Name : **M.M. Raafat Rajab Fathi** Email: **rafat.r.f@uomsul.edu.iq**	

1.	Course Objectives	
Course Objectives	**• Identify the economics of information and employ the available capabilities to serve decision makers....** **• Determine the needs of the entities that benefit from the information and the entities that generate and produce information and determine their method and the amount of information produced....** **• Promoting information culture, increasing awareness, and devoting values that support building a healthy information society.** **• Employing available capabilities to serve decision makers**	
2.	Teaching and Learning Strategies	
Strategy	Learning and Teaching Strategies Modern education strategies aim to achieve specific goals to provide	

opportunities for students to increase their learning abilities and diversity in the methods and implementation of curricula in teaching processes that take into account individual circumstances and the abilities and potential of learners. Learning and teaching are carried out according to the latest self-education tools using the computer and through modern programs in the fields Information industry Importance of information

Archiving and electronic documentation systems.

.Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	3	**Bachelor's**	**What is information _ data _ information _ types of information**	theory	Written and oral
2	3	Bachelor's	**_The importance of information_ characteristics of information and dimensions of its quality**	theory	Written and oral
3	3	Bachelor's	**the information cycle _Knowledge_ The difference between data, information and knowledge**	theory	Written and oral
4	3	Bachelor's	**Characteristics of knowledge**	theory	Written and oral

			Sources of knowledge classification of knowledge_ wisdom		
5	3	Bachelor's	**Information economy _value of information _value added and its interpretations _information sector**	Theory	Written and oral
6	3	Bachelor's	**Problems in defining and measuring the information**	theory	Written and oral
7	3	Bachelor's	**sector - the information revolution**	Theory	Written and oral
8	3	Bachelor's	**the concept of the information industry**	theory	Written and oral
9	3	Bachelor's	**the emergence of the information industry**	theory	Written and oral
10	3	Bachelor's	**The information-based economy**	theory	Written and oral
11	3	Bachelor's	**the emergence of information economics**	theory	Written and oral
12	3	Bachelor's	**the concept of the term information**	theory	Written and oral

			economics		
13	3	Bachelor's	**Information _Objectives of Information Economics**	theory	Written and oral
14	3	Bachelor's	**The First Generation in Information Economics**	theory	Written and oral
15	3	Bachelor's	**The importance of studying the information economy advancement of information economies in the Arab world**	theory	Written and oral

4. Course Evaluation

1- Conducting written tests (Midyear and final) through some questions on the subject of the study material to know the extent of their comprehension of the subject

2-Quiz (short exam)

3-Practical

4- Attendance of students and assessment through interactive learning

5.

Required textbooks (curricular books, if any)	Information Economy and Marketing Many articles that support modernity in the

	subject area and support the vocabulary of the weeks have been pulled from the Internet.
Main references (sources)	Lectures on electronic documentation and archiving, sources from the Internet
Recommended books and references (scientific journals, reports...)	Information economics and marketing
Electronic References, Websites	http//:www.youtube.com 75%

1. Course name and academic level
Information Institutions Management / Second Stage
2. Course code
ArIn25F1208
3. Semester/Year
2024/2025
4. Date this description was prepared
21/9/2024
5. Available forms of attendance
In-person and online
6. Number of study hours (total) / Number of units (total)
4
7. Name of the course supervisor (if more than one name is mentioned) and academic title.
Name: M. Sarmed Siddiq Ghazi Email:sarmad.sg@uomosul.edu.iq
8. Course objectives

			Course objectives
• Introducing students to the concept of management • Introducing students to the elements of management • Learn about Total Quality Management			

9. Teaching and learning strategies	
brainstorming group education Reciprocal teaching	Strategy

10. Course structure

Evaluation method	Learning method	Name of unit or topic	Required learning outcomes	watches	week
Written and oral	theory	The concept of management, who is the administrator, and the importance and functions of management	Bachelor's	4	1
Written and oral	theory	Fields and nature of management and its relationship to other sciences	Bachelor's	4	2
Written and oral	theory	Classical schools of management	Bachelor's	4	3
Written and oral	theory	The concept of	Bachelor's	4	4

		planning and its motives			
Written and oral	theory	Stages, types and fields of planning in libraries	Bachelor's	4	5
Written and oral	theory		Bachelor's	4	6
Written and oral	theory	The concept of organization, its benefits and principles	Bachelor's	4	7
Written and oral	theory	Organizational structure and factors affecting it	Bachelor's	4	8
Written and oral	theory	Organizational division methods for libraries	Bachelor's	4	9
Written and oral	theory	The concept of employment, its steps and procedures	Bachelor's	4	10
Written and oral	theory	Guidance in terms of concept and principles	Bachelor's	4	11
Written and oral	theory	Censorship in terms of concept and	Bachelor's	4	12

		importance			
Written and oral	theory	Types of censorship	Bachelor's	4	13
Written and oral	theory	Supervision, concept, reasons and motives for supervision	Bachelor's	4	14
Written and oral	theory	a test	Bachelor's	4	15
Written and oral	theory	Coordination in terms of concept, importance and methods	Bachelor's	4	16
Written and oral	theory	Advantages and principles of coordination	Bachelor's	4	17
Written and oral	theory	Decision making, its elements and steps	Bachelor's	4	18
Written and oral	theory	Types of decision-making and its difficulties	Bachelor's	4	19
Written and oral	theory	Total Quality Management	Bachelor's	4	20
Written and oral	theory	The difference between traditional management	Bachelor's	4	21

		and total quality management			
Written and oral	theory	Total Quality Management in University Libraries	Bachelor's	4	22
Written and oral	theory	Total Quality Management Principles	Bachelor's	4	23
Written and oral	theory	Total Quality Management Objectives	Bachelor's	4	24
Written and oral	theory	Total Quality Management Implementation Requirements	Bachelor's	4	25
Written and oral	theory	Stages of implementing total quality management	Bachelor's	4	26
Written and oral	theory	Advantages of Total Quality Management	Bachelor's	4	27
Written and oral	theory	Methods of implementing total quality management	Bachelor's	4	28
Written and oral	theory	Obstacles to implementing Total Quality Management	Bachelor's	4	29
Written and oral	theory	a test	Bachelor's	4	30

11. Course Evaluation and Grade Divisions
The grade is distributed out of 100 based on the tasks assigned to the student, such as daily preparation, daily, oral, monthly and written exams, reports, etc.

	12. Learning and teaching resources
Library Management: Foundations and Processes / Rabhi Mustafa Alian	Required textbooks (methodology if any)
Master's Thesis / Total Quality Management in the Central Library, University of Mosul	Main References (Sources)
—	Recommended supporting books and references (scientific journals, reports...)
4. https://koha-community.org/demo/ 5. https://www.ivsl.org/?language=ar 6. https://www.iasj.net	Electronic references, websites

1. Course name and academic level
Communication and Media / Third Stage
2. Course code
ArIn25F1301
3. Semester/Year
2024/2025
4. Date this description was prepared
21/9/2024
5. Available forms of attendance
In-person and online
6. Number of study hours (total) / Number of units (total)
4
7. Name of the course supervisor (if more than one name is mentioned)

	and academic title.
	Name: M. Sarmed Siddiq Ghazi Email:sarmad.sg@uomosul.edu.iq

	8. Course objectives
• Introducing students to the concept of communication • Introducing students to digital media • Learn about the most important differences between traditional media and digital media.	Course objectives

	9. Teaching and learning strategies
brainstorming group education Reciprocal teaching	Strategy

10. Course structure

Evaluation method	Learning method	Name of unit or topic	Required learning outcomes	watches	Week
Written and oral	theory	The concept of communication	Bachelor's	4	1
Written and oral	theory	Communication elements	Bachelor's	4	2
Written and oral	theory	Sender	Bachelor's	4	3
Written and oral	theory	message	Bachelor's	4	4
Written and oral	theory	the future	Bachelor's	4	5
Written and oral	theory	means of communication	Bachelor's	4	6
Written and oral	theory	Future and Feedback	Bachelor's	4	7
Written and	theory	Characteristics	Bachelor's	4	8

oral		of the communication process			
Written and oral	theory	Types of communication	Bachelor's	4	9
Written and oral	theory	The concept of mass communication	Bachelor's	4	10
Written and oral	theory	Characteristics of mass communication	Bachelor's	4	11
Written and oral	theory	Types of mass communication	Bachelor's	4	12
Written and oral	theory	Communication theories	Bachelor's	4	13
Written and oral	theory	Criticisms of communication theories	Bachelor's	4	14
Written and oral	theory	a test	Bachelor's	4	15
Written and oral	theory	New digital media	Bachelor's	4	16
Written and oral	theory	Differences between traditional media and digital media	Bachelor's	4	17
Written and oral	theory	Forms of digital media	Bachelor's	4	18
Written and oral	theory	Digital media jobs	Bachelor's	4	19
Written and oral	theory	Internet	Bachelor's	4	20
Written and oral	theory	Internet requirements	Bachelor's	4	21
Written and oral	theory	Obstacles to using the Internet	Bachelor's	4	22
Written and oral	theory	Electronic journalism	Bachelor's	4	23

Written and oral	theory	Electronic publishing	Bachelor's	4	24
Written and oral	theory	The importance of electronic publishing	Bachelor's	4	25
Written and oral	theory	The difference between traditional publishing and electronic publishing	Bachelor's	4	26
Written and oral	theory	The concept of blogs	Bachelor's	4	27
Written and oral	theory	Types of blogs	Bachelor's	4	28
Written and oral	theory	Bloggers	Bachelor's	4	29
Written and oral	theory	a test	Bachelor's	4	30

11. Course Evaluation and Grade Divisions
The grade is distributed out of 100 based on the tasks assigned to the student, such as daily preparation, daily, oral, monthly and written exams, reports, etc.

	12. Learning and teaching resources
Khadra Omar / Communication Skills and Theories	Required textbooks (methodology if any)
—	Main References (Sources)
Maher Awda / New Digital Media	Recommended supporting books and references (scientific journals, reports...)
7. https://iqdr.iq/	Electronic references, websites

8. https://www.ivsl.org/
9. https://www.iasj.net

6.	Course Name:
Rules of bibliographic description	
7.	Course Code:
8.	Semester / Year: Academic Year 2024-2025
ITKL-19	
9.	Description Preparation Date:
1/10/2024	
0.	Available Attendance Forms: On campus / Electronic Platform
On campus and Electronic Platform	
1.	Number of Credit Hours () / Number of Units ():
7 / 3	
2.	Course administrator's name (mention all, if more than one name)
Name:Lect. DR. Noor Faris Ghanim	
Email : noor.f.g@uomosul.edu.iq	
3.	Course Objectives

Course Objectives	**The course aims to enable the student to possess the cognitive and applied skills necessary to deal with the changing nature of information sources, especially book materials, and describe them in accordance with the latest cataloging rules in this field.**

4. Teaching and Learning Strategies	
Strategy	Learning and Teaching Strategies
	Modern education strategies aim to achieve specific goals to provide opportunities for students to increase their learning abilities and diversity in the methods and implementation of curricula in teaching processes that take into account individual circumstances and the abilities and potential of learners. Learning and teaching are carried out according to the latest self-education tools using the computer and through modern programs in the fields of education.
.	

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
			.Course Structure		
1	4	Bachelor's	Cataloging and its types	Conceptual material	Written exam and Oral exam
2	4	Bachelor's	Cataloges, their importance and functions	Conceptual material	Written exam and Oral exam
3	4	Bachelor's	Types of cataloges - first section	Conceptual material	Written exam and Oral exam
4	4	Bachelor's	Types of cataloges - Section Two.	Conceptual material	Written exam and Oral exam
5	4	Bachelor's	Types of cataloges - Section One	Conceptual material	Written exam and Oral exam
6	4	Bachelor's	Forms of cataloges - Part Two	Conceptual material	Written exam and Oral exam
7	4	Bachelor's	Practical lecture in the library	Conceptual material	Written exam and Oral exam
8	4	Bachelor's	Internet cataloges and machine-readable cataloges (MARC)	Conceptual material	Written exam and Oral exam
9	4	Bachelor's	Characteristics of the ideal catalog	Conceptual material	Written exam and Oral exam
10	4	Bachelor's	Forms of cataloges - Part Two	Conceptual material	Written exam and Oral exam
11	4	Bachelor's	Anglo-American Cataloging Rules, First Edition	Conceptual material	Written exam and Oral exam
12	4	Bachelor's	Anglo-American Cataloging Rules, Second Edition	Conceptual material	Written exam and Oral exam
13	4	Bachelor's	Types of cards	Conceptual material	Written exam and Oral exam
14	4	Bachelor's	Types of cards 2	Conceptual material	Written exam and Oral exam
15	4	Bachelor's	Rules for designating the main entrance and additional entrances - Section One	Conceptual material	Written exam and Oral exam
16	4	Bachelor's	Rules for designating the main entrance and additional entrances - Section Two	Conceptual material	Written exam and Oral exam
17	4	Bachelor's	practical application	Conceptual material	Written exam and Oral exam
18	4	Bachelor's	Key card fields with their practical application:	Conceptual material	Written exam and Oral exam
19	4	Bachelor's	Title field and statement of responsibility - first section	Practical	Written exam and Oral exam
20	4	Bachelor's	Key card fields with their practical	Conceptual	Written exam

			application:	material	and Oral exam
21	4	Bachelor's	Title field and statement of responsibility – Section Two	Conceptual material	Written exam and Oral exam
22	4	Bachelor's	Edition field	Conceptual material	Written exam and Oral exam
23	4	Bachelor's	Publishing field	Practical	Written exam and Oral exam
24	4	Bachelor's	practical application	Practical	Written exam and Oral exam
25	4	Bachelor's	Physical description field - first section	Conceptual material	Written exam and Oral exam
26	4	Bachelor's	Physical Description Field - Section Two	Conceptual material	Written exam and Oral exam
27	4	Bachelor's	Edition field	Conceptual material	Written exam and Oral exam
28	4	Bachelor's	Publishing field	Conceptual material	Written exam and Oral exam
29	4	Bachelor's	Notes field - first section	Conceptual material	Written exam and Oral exam
30	4	Bachelor's	ISBN	Practical	Written exam and Oral exam

7. Course Evaluation

1- Conducting written tests (Midyear and final) through some questions on the subject of the study material to know the extent of their comprehension of the subject

2-Quiz (short exam)

3-Practical

4- Attendance of students and assessment through interactive learning

8.

Required textbooks (curricular books, if any)	● Descriptive Cataloging Binding for the First Grade / Mahmoud Jarjis Muhammad.- Mosul: University
Main references (sources)	● Cataloging developments / Wasfi Aref Shaloul
Recommended books and references (scientific journals, reports...)	● Cataloging Encyclopedia / Aban Abdel Aziz Khalifa. - Egypt: Egyptian Lebanese House, 198 - Practical cataloging between theory and application / Mahmoud Ahmed Etim
Electronic References, Websites	Online Cataloge of central library of University of Mosul

9.	Course Name:
Resource Description and Access	
0.	Course Code:
ITKL-26	
1.	Semester / Year: Academic Year 2024-2025
2.	Description Preparation Date:
21/9/2025	
3.	Available Attendance Forms: On campus / Electronic Platform
On campus and Electronic Platform	
4.	Number of Credit Hours () / Number of Units ():
7 / 3	
5.	Course administrator's name (mention all, if more than one name)
Name: Lect. DR.Noor Faris Ghanim	
Email : noor.f.g@uomosul.edu.iq	
6.	Course Objectives

Course Objectives	**The course aims to identify the bibliographic description of materials other than books, learn the rules for describing sources and making them available, and how to create a MARC 21 record.**

7.	Teaching and Learning Strategies

Strategy	Learning and Teaching Strategies
	Modern education strategies aim to achieve specific goals to provide opportunities for students to increase their learning abilities and diversity in the methods and implementation of curricula in teaching processes that take into account individual circumstances and the abilities and potential of learners. Learning and teaching are carried out according to the latest self-education tools using the computer and through modern programs in the

fields of education.

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	4	Bachelor's	Cataloging government publications and identifying their entries	Conceptual material	Written exam and Oral exam
2	4	Bachelor's	Description fields of government publications + practical	Conceptual material	Written exam and Oral exam
3	4	Bachelor's	Description fields of government publications + practical	Conceptual material	Written exam and Oral exam
4	4	Bachelor's	Manuscript description fields + practical	Conceptual material	Written exam and Oral exam
5	4	Bachelor's	Cataloging serials and their entries	Conceptual material	Written exam and Oral exam
6	4	Bachelor's	Series description fields + practical	Conceptual material	Written exam and Oral exam
7	4	Bachelor's	Cataloging cartographic materials and identifying their entries	Conceptual material	Written exam and Oral exam
8	4	Bachelor's	Fields of description of cartographic materials + practical	Conceptual material	Written exam and Oral exam
9	4	Bachelor's	Cataloging graphic materials and identifying their entries	Conceptual material	Written exam and Oral exam
10	4	Bachelor's	Graphics material description fields	Conceptual material	Written exam and Oral exam
11	4	Bachelor's	+ practical	Conceptual material	Written exam and Oral exam
12	4	Bachelor's	Cataloging audio recordings and identifying their entries	Conceptual material	Written exam and Oral exam
13	4	Bachelor's	Audio recording description fields + practical	Conceptual material	Written exam and Oral exam
14	4	Bachelor's	Cataloging video recordings and identifying their entries	Conceptual material	Written exam and Oral exam
15	4	Bachelor's	Cataloging electronic resources and their description fields	Conceptual material	Written exam and Oral exam
16	4	Bachelor's	Developments in Chapter Nine on electronic sources	Conceptual material	Written exam and Oral exam

17	4	Bachelor's	Rules for describing sources, their availability, their origin and their nature	Conceptual material	Written exam and Oral exam
18	4	Bachelor's	RDA's relationship with other standards	Conceptual material	Written exam and Oral exam
19	4	Bachelor's	Principles of rules for describing, making, and constructing sources	Practical	Written exam and Oral exam
20	4	Bachelor's	Comparison between AACR2R and RDA	Conceptual material	Written exam and Oral exam
21	4	Bachelor's	Description fields in accordance with the rules for describing sources and making them available	Conceptual material	Written exam and Oral exam
22	4	Bachelor's	Machine-readable Cataloging Mark 21: its beginnings, origins, and concept	Conceptual material	Written exam and Oral exam
23	4	Bachelor's	The importance of Mark 21 and its field components	Practical	Written exam and Oral exam
24	4	Bachelor's	Components of MARC 21 record fields	Practical	Written exam and Oral exam
25	4	Bachelor's	How to create a MARC 21 record for books	Conceptual material	Written exam and Oral exam
26	4	Bachelor's	A practical application for creating a MARC 21 record for books	Conceptual material	Written exam and Oral exam
27	4	Bachelor's	How to create a MARC 21 record for materials other than books	Conceptual material	Written exam and Oral exam
28	4	Bachelor's	Practical application of MARC 21 recording for materials other than books	Conceptual material	Written exam and Oral exam
29	4	Bachelor's	A practical application for creating a MARC 21 record according to the Koha system	Conceptual material	Written exam and Oral exam
30	4	Bachelor's	Apractical exam	Practical	Written exam and Oral exam

0.   Course Evaluation

1- Conducting written tests (Midyear and final) through some questions on the subject of the study material to know the extent of their comprehension of the subject

2-Quiz (short exam)

3-Practical

4- Attendance of students and assessment through interactive learning

1.

Required textbooks (curricular books, if any)	● Descriptive Cataloging for the second grade/ Mahmoud Girgis
Main references (sources)	● Cataloging developments / Wasfi Aref Shaloul

Recommended books and references (scientific journals, reports...)	● Cataloging and metadata in office education programs/ Nour Faris Al-Omari - Advanced and computerized Cataloging/ Ribhi Alyan Wasfi Arif
Electronic References, Websites	Online Cataloges Central library Cataloge http://centrallibrary.uomosul.edu.iq ARUC / https://www.aruc.org/ar IQUC / https://iquc.org

2.   Course Name:
Electronic documentation and archiving_ class four

3.   Course Code:
ITKL_48

4.   Semester / Year: Academic Year 2023-2024
2023-2024

5.   Description Preparation Date:
2024\9\21

6.   Available Attendance Forms: On campus / Electronic Platform
Attendance

7.   Number of Credit Hours () / Number of Units ():
(3)

8.   Course administrator's name (mention all, if more than one name)
Name : **M.M. Raafat Rajab Fathi** Email: **rafat.r.f@uomsul.edu.iq**

9. Course Objectives	
Course Objectives	• **Learn about electronic documentation and archiving...** • **Identify the concept, origins and definition of the electronic archiving system** • **Identify examples of electronic archiving systems available in the Arab world - the electronic archiving system (EDOX)** • **Identify the functions, capabilities, types and programs of electronic archiving systems**

0. Teaching and Learning Strategies	
Strategy	Learning and Teaching Strategies

		Brainstorming			
		Group Learning			
.Course Structure					
Week	**Hours**	**Required Learning Outcomes**	**Unit or subject name**	**Learning method**	**Evaluation method**
1	3	Bachelor's	Definition, concept and origin of the electronic archiving system	theory	Written and oral
2	3	Bachelor's	concept and origin of the electronic archiving system	theory	Written and oral
3	3	Bachelor's	origin of the electronic archiving system	theory	Written and oral
4	3	Bachelor's	Functions of electronic archiving systems	theory	Written and oral
5	3	Bachelor's	capabilities electronic archiving systems	theory	Written and oral
6	3	Bachelor's	types of electronic archiving systems	theory	Written and oral
7	3	Bachelor's	Obstacles to implementing electronic archiving systems	Theory	Written and oral
8	3	Bachelor's	financial - technological	theory	Written and oral
9	3	Bachelor's	legislative - security	theory	Written and oral
10	3	Bachelor's	Criteria for evaluating electronic archive systems	theory	Written and oral
11	3	Bachelor's	General standards	theory	Written and oral
12	3	Bachelor's	Document management standards	theory	Written and oral
13	3	Bachelor's	Search and retrieval capabilities standards - Indexing standards	theory	Written and oral
14	3	Bachelor's	Examples of electronic archiving systems available in the Arab world)	theory	Written and oral
15	3	Bachelor's	Electronic Archiving System (EDOX	theory	Written and oral
16	3	Bachelor's	Electronic archiving system (Docuware)	theory	Written and oral
17	3	Bachelor's	Electronic Archiving System (IDEMS)	theory	Written and oral
18	3	Bachelor's	Electronic archiving system SAVE Library System	theory	Written and oral
19	3	Bachelor's	Electronic archiving system (Smart Info) for managing electronic documents	Theory	Written and oral
20	3	Bachelor's	Smart Doc electronic	theory	Written and oral

			archiving system		
21	3	Bachelor's	Direct electronic archiving system	theory	Written and oral
22	3	Bachelor's	Electronic archiving system (VisiDocs) and Dokmee document management program	theory	Written and oral
23	3	Bachelor's	Electronic archiving requirements_electronic archiving systems_ electronic archiving systems functions	theory	Written and oral
24	3	Bachelor's	Types of electronic archiving systems	theory	Written and oral
25	3	Bachelor's	the role of electronic archiving in protecting	theory	Written and oral
26	3	Bachelor's	Documents	theory	Written and oral
27	3	Bachelor's	requirements for switching to an electronic archiving system	theory	Written and oral
28	3	Bachelor's	Important characteristics that must be available in an archiving system	theory	Written and oral
29	3	Bachelor's	Advantages of electronic archiving - the most prominent difficulties in converting to electronic archiving	theory	Written and oral
30	3	Bachelor's	Types of archived records_record life cycle	theory	Written and oral

2.   Course Evaluation

1- Conducting written tests (Midyear and final) through some questions on the subject of the study material to know the extent of their comprehension of the subject

2-Quiz (short exam)

3-Practical

4- Attendance of students and assessment through interactive learning

3.

Required textbooks (curricular books, if any)	Electronic documentation and archiving in the form of sources and articles pulled from the Internet
Main references (sources)	Lectures on electronic documentation and archiving, sources from the Internet

Recommended books and references (scientific journals, reports...)	Electronic documentation and archiving
Electronic References, Websites	http//:www.youtube.com

4. Course Name:	
Introduction to the Study of Public Relations and Media / class _Second	
5. Course Code:	
ITKL-1207	
6. Semester / Year: Academic Year	
2024-2025	
7. Description Preparation Date:	
2024\9\21	
8. Available Attendance Forms: On campus / Electronic Platform	
Attendance	
9. Number of Credit Hours () / Number of Units ():	
(3)	
0. Course administrator's name (mention all, if more than one name)	
Name : **M.M. Raafat Rajab Fathi** Email: **rafat.r.f@uomsul.edu.iq**	
1. Course Objectives	

Course Objectives	• **Analyzing and formulating public relations policies** • **Understanding public relations and media...** • **Understanding the concept, origins, and definition of public relations and media** • **Understanding the importance and principles of public relations and media** • **Understanding the functions and objectives of public relations and media**
2. Teaching and Learning Strategies	

Strategy	Learning and Teaching Strategy **Brainstorming - Group Learning**

.Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	3	**Bachelor's**	The concept of public relations_ The importance of public relations	theory	Written and oral

2	3	Bachelor's	Public Relations Goals_ Public Relations Jobs	theory	Written and oral
3	3	Bachelor's	Models of public relations practice	theory	Written and oral
4	3	Bachelor's	Principles of Public Relations_ Public Relations and Crisis Management	theory	Written and oral
5	3	Bachelor's	Success During Crises - Public Relations and Mental Image	Theory	Written and oral
6	3	Bachelor's	Ceremonial and Etiquette Culture_ General Principles of Ceremonial and Etiquette	theory	Written and oral
7	3	Bachelor's	Basics of greeting and handshaking	Theory	Written and oral
8	3	Bachelor's	Visiting card rules	theory	Written and oral
9	3	Bachelor's	Public relations and the art of dealing	theory	Written and oral
10	3	Bachelor's	Meeting and interview etiquette	theory	Written and oral
11	3	Bachelor's	Flag raising ceremony	theory	Written and oral
12	3	Bachelor's	General principles of flag-raising ceremony National	theory	Written and oral
13	3	Bachelor's	Raising the national flag with foreign flags	theory	Written and oral
14	3	Bachelor's	General rules when there is more than one flag	theory	Written and oral
15	3	Bachelor's	Mass Communication and Community Issues	theory	Written and oral
16	3	Bachelor's	Types of effects that occur to mental image	theory	Written and oral
17	3	Bachelor's	Intermediary factors in the communication process	theory	Written and oral
18	3	Bachelor's	Media Impact Considerations	theory	Written and oral

19	3	Bachelor's	The foundations of successful communication	theory	Written and oral
20	3	Bachelor's	The spread of new ideas	theory	Written and oral
21	3	Bachelor's	Two-step communication	theory	Written and oral
22	3	Bachelor's	Communication methods in public relations	theory	Written and oral
23	3	Bachelor's	Personal contact images in public relations	theory	Written and oral
24	3	Bachelor's	Mass communication mechanisms in public relations departments	theory	Written and oral
25	3	Bachelor's	Leading institutions in preparing annual reports	theory	Written and oral
26	3	Bachelor's	Advertisement	theory	Written and oral
27	3	Bachelor's	Functional characteristics of advertising	theory	Written and oral
28	3	Bachelor's	Advertising Jobs	theory	Written and oral
29	3	Bachelor's	Advertising objectives	theory	Written and oral
30	3	Bachelor's	Global Advertising Communication Process	theory	Written and oral

4. Course Evaluation

The grade is distributed out of 100 based on the tasks assigned to the student, such as daily preparation, daily, oral, monthly and written exams, reports, etc.

Learning and teaching resources

Required textbooks (methodology if any)	There are no textbooks
Main references (sources)	Lectures on public relations and media in the form of online sources and articles. 1- Introduction to the Study of Public Relations and Media / Muhammad Marzi Al-Shammari – 2016
Recommended books and references (scientific journals, reports...)	Introduction to the Study of Public Relations and Media
Electronic references, websites	The information and resources available on the websites about intellectual property rights

5. Course Name:

_ Practical application_ class fourth

6. Course Code:

ITKL_403					
7. Semester / Year: Academic Year 2023-2024 **2024-2025**					
8. Description Preparation Date: **2024\9\21**					
9. Available Attendance Forms: On campus / Electronic Platform **Attendance**					
0. Number of Credit Hours () / Number of Units (): **(4)**					
1. Course administrator's name (mention all, if more than one name)					
Name : **M.M. Raafat Rajab Fathi** Email: **rafat.r.f@uomsul.edu.iq** Neme: Rawa Salah El-Din Email: rawa.salah@uomosul.edu.iq					
2. Course Objectives					
Course Objectives	**Training students on technical procedures and user services inside the library**				
3. Teaching and Learning Strategies					
Strategy	**Learning and Teaching Strategies** **Modern education strategies aim to achieve specific goals to provide opportunities for students to increase their learning abilities and diversity in the methods and implementation of curricula in teaching processes that take into account individual circumstances and the abilities and potential of learners. Learning and teaching are carried out according to the latest self-education tools using the computer and through modern programs in the fields Electronic and traditional information services**				

.Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	4	**Bachelor's**	**Introductory introduction about beneficiary services and types**	Theory and practical	Written and oral
2	4	Bachelor's	**Loan service and types and methods of presentation**	Theory and practical	Written and oral
3	4	Bachelor's	**Traditional and electronic reference service**	Theory and practical	Written and oral
4	4	Bachelor's	**Practical application**	Theory	Written and oral

				in the periodical unit	and practical	
5	4	Bachelor's	**Practical application in unit of reference**	Theory and practical	Written and oral
6	4	Bachelor's	**Practical application in Al–Atarih unit**	Theory and practical	Written and oral
7	4	Bachelor's	**Practical application in the unit of Al– Atarih and electronic messages**	Theory and practical	Written and oral
8	4	Bachelor's	**Practical application in the electronic library unit**	Theory and practical	Written and oral
9	4	Bachelor's	**Practical application in the donation unit and book donation procedures**	Theory and practical	Written and oral
10	4	Bachelor's	**Practical application in the supply unit and book registration procedures**	Theory and practical	Written and oral
11	4	Bachelor's	**The practical application in the unit of indexing and classification on the procedures of classifying books according to the Dewi decimal system**	Theory and practical	Written and oral
12	4	Bachelor's	**Practical application in the indexing and classification unit on selection procedures and drafting subject**	Theory and practical	Written and oral

			headings		
13	4	Bachelor's	**Practical application in indexing and classification unit to descriptive indexing procedures**	Theory and practical	Written and oral
14	4	Bachelor's	**Practical application of Koha system for library management**	Theory and practical	Written and oral
15	4	Bachelor's	**Training at the Central Library of the University of Mosul**	Theory and practical	Written and oral
16	4	Bachelor's	**A detailed explanation of the administrative and organizational structure and the main departments of the library**	Theory and practical	Written and oral
17	4	Bachelor's	A theoretical lecture on digital information services	Theory and practical	Written and oral
18	4	Bachelor's	An explanation of automatic indexing in MARC format And Koha system	Theory and practical	Written and oral
19	4	Bachelor's	A practical application for entering Arabic book records	Theory and practical	Written and oral
20	4	Bachelor's	Practical application on entering foreign book registrations	Theory and practical	Written and oral
21	4	Bachelor's	A practical application for entering university	Theory and practical	Written and oral

			theses records		
22	4	Bachelor's	Practical application to work procedures in the bookroom	Theory and practical	Written and oral
23	4	Bachelor's	Practical application of work procedures in the dissertations and dissertations hall	Theory and practical	Written and oral
24	4	Bachelor's	Practical application to work procedures in the patrol hall	Theory and practical	Written and oral
25	4	Bachelor's	Practical application to work procedures in the reference hall	Theory and practical	Written and oral
26	4	Bachelor's	Practical application of work procedures in the Electronic Messages and Dissertations Unit	Theory and practical	Written and oral
27	4	Bachelor's	Practical application of work procedures in the electronic library	Theory and practical	Written and oral
28	4	Bachelor's	Practical application of work procedures	Theory and practical	Written and oral
29	4	Bachelor's	Practical application in the Gift and Exchange Unit	Theory and practical	Written and oral
30		Bachelor's	Final exam		

5.   Course Evaluation

1- Conducting written tests (Midyear and final) through some questions on the subject of the study material to know the extent of their comprehension of the subject

2-Quiz (short exam)

3-Practical

4- Attendance of students and assessment through interactive learning	

6.	
Required textbooks (curricular books, if any)	**The theoretical material includes the definition of the organizational structure of the library and the duties and responsibilities of each branch and each unit.**
Main references (sources)	**Lectures on the practical and theoretical application of the introduction to library and information science / Mohammad Maher Hamada**
Recommended books and references (scientific journals, reports...)	**Information services in the digital environment / by Amjad Al-Jawhari and Muttoli Naqib** **Professional development of library professionals in the digital environment / Mahinour Fouad Shaaban**
Electronic References, Websites	http//:www.youtube.com

1. Course name and academic level	
Information Networks / Fourth Grade	
2. Course code	
ITKL-46	
3. Semester/Year	
Academic year 2024-2025	
4. Date this description was prepared	
2025/5/2	
5. Available forms of attendance	
Physical presence	
6. Number of study Number of units (total) / (total) hours)	
5 units / 4 hours	
7. Name of the course supervisor (if more than one name is mentioned) and academic title.	
Email Name: Prof. Dr. Ammar Abdel Latif Abdel Ali :	

drammar_z71@uomosul.edu.iq

					8. Course objectives

	Course objectives
• Introducing the student to information networks and libraries, how to build them, and their types . • Informing the student about the importance of information networks and the services they can provide.	Course objectives

9. Teaching and learning strategies

	Strategy
1. Theoretical lecture 2. The theoretical lecture is supported by a visual presentation. 3. Criticism, discussion and mutual dialogue 4. Brainstorming and quick ideas 5. Knowledge maps and knowledge pyramid	Strategy

10. Course structure

Evaluation method	Learning method	Name of unit or topic	Required learning outcomes	watches	week
	Active learning and blended learning	Information networks in terms of their benefits	The student's mastery of the scientific material and acquisition of the necessary skills	4	1
	===	Information networks, their requirements and evaluation	===	4	2
	===	Types of information networks and their structures	===	4	3
	===	Information network installation	===	4	4
	===	Discussing the structural composition of networks	===	4	5
	===	Discussing the structural composition of networks	===	4	6
	===	Network hardware	===	4	7
	===	Server network design	===	4	8

		===	Network design Client and customer	===	4	9
		===	topologies , ring, star, linear, star and bus networks	===	4	10
		===	Network The topology the star and ring	===	4	11
		===	network Bus topology	===	4	12
		===	Network card factors affecting it‘	===	4	13
		===	wireless -semi card	===	4	14
		===	End of term test	===	4	15
		===	Key technologies in local area networks	===	4	16
		===	Ethernet networks‘	===	4	17
		===	Wireless local area networks	===	4	18
		===	Extended Local Area Network Architecture	===	4	19
		===	Network Protocols Topic	===	4	20
		===	This week the topic of protocols is completed.	===	4	21
		===	Data transmission technology in information networks	===	4	22
		===	wired data transmission	===	4	23
		===	Wireless data transmission	===	4	24
		===	the light sleep	===	4	25
		===	This week we will be discussing the topic of network and information security.	===	4	26

	===	Viruses and security breaches	===	4	27
	===	This week we are covering some of the specialized services.	===	4	28
	===	This week we will review and discuss student reports.	===	4	29
	===	Second semester final exam	===	4	30

Evaluation and Grade Divisions Course. 11
The grade is distributed out of 100 according to the tasks as follows: attendance 5 points / first exam 15 points / second exam 15 points / homework 5 points / so the final exam since the study is total grade is 40% and the remaining 60 are given to the semester-based.

12. Learning and teaching resources

Required textbooks (methodology if any)	nothing
Main References (Sources)	Computerized Information Systems and Networks in Libraries and Information Centers / Amer Ibrahim Qandilji and Iman Al-Samarrai, Baghdad 2000
Recommended supporting books and references (scientific journals, reports...)	and Communication Networks / Amer Ibrahim Qandilji and Iman Al-Samarrai, Amman, 2009, in addition to many articles that support the vocabulary of the weeks
Electronic references, websites	A collection of articles available online and updated on a regular basis.

Course name and academic level. 1
Information Storage and Retrieval / Fourth Grade
Course code. 2

	ITKL-43
	Semester/Year .3
	2025-Academic year 2024
	Date this description was prepared .4
	2025/5/5
	Available forms of attendance .5
	Physical presence
	(Number of study hours (total) / Number of units (total .6
	hours / 4 units 4
	if more than one name is mentioned)) Name of the course supervisor .7 .and academic title
	: Name: Prof. Dr. Ammar Abdel Latif Abdel Ali Email drammar_z71@uomosul.edu.iq

Course objectives .8

Course objectives	The article aims to inform the researcher about the nature of information storage, retrieval, and databases, whether through the Internet , information networks, or databases.

Teaching and learning strategies .9

Strategy	1. Theoretical lecture 2. The theoretical lecture is supported by a visual presentation. 3. Criticism, discussion and mutual dialogue 4. Brainstorming and quick ideas 5. Knowledge maps and knowledge pyramid

Course structure .10

week	watches	Required learning outcomes	Name of unit or topic	Learning method	Evaluation method
1	4	The student's mastery of the scientific material and acquisition	Information retrieval , problem inflation, automated applications in enterprises, direct	Active learning and blended learning	

		access search systems	of the necessary skills		
	===	Cooperative information retrieval systems, local systems, database systems	===	4	2
	===	Future trends in automated information retrieval systems	===	4	3
	===	Integration of information retrieval methods, development of information retrieval ‹methods development of electronic publishing of information sources	===	4	4
	===	The development of information search methods, expert systems, and the development of virtual reality .applications	===	4	5
	===	Factors affecting information ‹retrieval	===	4	6
	===	Evaluation of information retrieval systems	===	4	7
	===	-Beneficiary related factors	===	4	8
	===	Factors related to the mediator	===	4	9
	===	Mediation in information gathering, specialization and objective interest	===	4	10
	===	Communication with the	===	4	11

			beneficiary, professional 'ethics		
		===	Factors related to information retrieval systems, system concept, database management systems	===	4	12
		===	Glossary of terms, search methods mechanism, user interface with the system	===	4	13
		===	Factors related to information retrieval language	===	4	14
		===	The concept of language in information retrieval	===	4	15
		===	First semester exam	===	4	16
		===	Free Natural Language Search Features	===	4	17
		===	Restricted search language properties	===	4	18
		===	made -Ready information retrieval systems	===	4	19
		===	Silver Disc Information Retrieval Systems	===	4	20
		===	Fundamentals of Information Retrieval Systems	===	4	21
		===	Information Trading Cycle	===	4	22
		===	Information retrieval systems	===	4	24
		===	Information retrieval problems	===	4	25

	===	Information retrieval methods and requirements	===	4	26
	===	Text analysis	===	4	27
	===	Formation , factors of the appearance of detectors, types of detectors	===	4	28
	===	Second semester exam	===	4	29
	===	General review	===	4	30

Course Evaluation and Grade Divisions .11
The grade is distributed out of 100 according to the tasks as follows: attendance 5 homework 5 points / so the / points / first exam 15 points / second exam 15 points total grade is 40% and the remaining 60 are given to the final exam since the study is based-semester.

Learning and teaching resources .12	
Required textbooks (methodology if any)	nothing
(Main References (Sources	Representation and Knowledge Information Retrieval / Khaled Abdel Fattah Mohammed, Automated Information Retrieval Systems / Talal Zuhairi-Nazem Al
Recommended supporting books and references (scientific journals, reports...)	Fundamentals of Information Retrieval Systems/Faten Saeed Bamfleh , the material is split from an old and new material, and the material was collected through a group of sources in the field of information networks and networks, multiple research and studies from the Internet.
Electronic references, websites	A collection of articles available online and updated on a regular basis.

	Course name and academic level .1
	Information Networks / Master's / Second Semester
	Course code .2
	ITKM-6
	Semester/Year .3
	2025-2024 Second semester / academic year
	Date this description was prepared .4
	2025/5/1
	Available forms of attendance .5
	Physical presence
	(Number of study hours (total) / Number of units (total .6
	hours / 2 units 2
	mentioned) and academic Name of the course supervisor (if more than one name is .7 .title
	: Name: Prof. Dr. Ammar Abdel Latif Abdel Ali Email drammar_z72@uomosul.edu.iq
	Course objectives .8

Course objectives	● The article aims to inform the researcher about the nature of information analysis, its types, forms, and the method of storing it, whether through computers or traditional methods .

	Teaching and learning strategies .9

Strategy	Theoretical lecture .6 The theoretical lecture is supported by a visual presentation. .7 Criticism, discussion and mutual dialogue .8 Brainstorming and quick ideas .9 Knowledge maps and knowledge pyramid .10

	Course structure .10

week	watches	Required learning outcomes	Name of unit or topic	Learning method	Evaluation method
the first	2	The student's mastery of the scientific material and acquisition of the necessary	The topic of information networks is discussed in terms of their benefits,	Active learning and blended learning	

		requirements and evaluation.	skills		
	Active learning and blended learning	The topic of types of information networks and their structures is discussed.	The student's mastery of the scientific material and acquisition of the necessary skills	2	the second
	Active learning and blended ninglear	This week, the scientific material for the second week will be completed and the structural composition of networks will be discussed.	The student's mastery of the scientific material and acquisition of the necessary skills	2	the third
	Active learning and blended learning	This week we will discuss the physical equipment of the networks.	The student's mastery of the scientific material and acquisition of the necessary skills	2	Fourth
	Active learning and blended learning	This week we will cover the design of server -client networks.	The student's mastery of scientific the material and acquisition of the necessary skills	2	Fifth
	Active learning and blended learning	This week we will cover the topology of local area networks, ring, star, linear, star and bus networks.	The student's mastery of the scientific material and acquisition of the necessary skills	2	Sixth
	Active learning and blended learning	This week we will discuss the network card, the factors affecting it, the wireless -semi card, and the main technologies in	The student's mastery of the scientific material and acquisition of the necessary skills	2	Seventh

	Active learning and blended learning	wireless local area networks.	The student's mastery of the scientific material and of acquisition the necessary skills		2	The eighth
	Active learning and blended learning	This week we will cover the architecture of extended local area networks.	The student's mastery of the scientific material and acquisition of the necessary skills		2	Ninth
	Active learning and blended learning	This week we will be discussing the topic of network protocols.	The student's mastery of the scientific material and acquisition of the necessary skills		2	tenth
	Active learning and project-based learning	This week the topic of protocols is completed.	The student's mastery of the scientific material and acquisition of the necessary skills		2	eleventh
	Active learning and learning based on Projects	This week we will discuss data transmission technology in information networks.	The student's mastery of the scientific material and acquisition of the necessary skills		2	twelfth The
	Active learning and blended learning	This week we will be discussing the topic of network and information security.	The student's mastery of the scientific material and acquisition of the necessary skills		2	thirteenth
	Active learning and blended learning	This week we are covering some of the specialized services.	The student's mastery of the scientific material and acquisition of the necessary skills		2	fourteenth

	Active learning and blended learning	This week we will review and discuss student reports.	The student's mastery of the scientific material and acquisition of the necessary skills	2	fifteenth

Course Evaluation and Grade Divisions .11
The grade is distributed out of 100 according to the tasks as follows: attendance 5 points / first exam 15 points / weekly homework 10 points / so the total grade is 30% are given to the final exam since the study is semester and the remaining 70-based.
Learning and teaching resources .12

There is no textbook available, but it consists of a collection of articles, as the subject is renewable.	Required textbooks (methodology if any)
• Mohamed Fathy Abdel Hadi . Indexing and Extraction: Concepts, Foundations and Applications. - The Egyptian Lebanese House 2019. • Ghalia Muhammad Nabil Saadallah. Knowledge Organization Tools : An Applied Study in Library and Information Ontology in the Arabic Language. Damascus, 2013. •	Main Sources) References)
• Khaled Abdel Fattah Mohamed. Knowledge Representation and Digital Information Retrieval. Dubai: Qandeel Printing and Publishing, 2019. • Talal Nadhim Al- Zuhairi. Digital Object Identifier (DOI) for describing and encoding information resources in the digital environment: Importance and Use. Iraqi Journal of Information Technology, Vol. 9, No. 19.	Recommended supporting books and references (scientific journals, reports...)
	Electronic references, websites

1. Course name and academic level	
Multimedia / Stage Four	
2. Course code	
Arln25F1407	
3. Semester/Year	
2024-2025/ Annual	
4. Date this description was prepared	
22/9/2025	
5. Available forms of attendance	
In-person and online	
6. Number of study hours (total) / Number of units (total)	
4	
7. Name of the course supervisor (if more than one name is mentioned) and academic title.	
Name: Shaima Hashem Youssef Email: shimah.hy@uomosul.edu.iq	
8. Course objectives	
Course objectives	• The objective of the Multimedia Systems course is to introduce students to the basic principles of this important field of knowledge and how to work with various media when building multimedia systems. It also aims to enable students to acquire the cognitive and practical skills necessary to manage, organize, and build multimedia systems in a network environment,

synthesize them for educational purposes, and invest them in improving the quality of services provided by information institutions. It also aims to familiarize students with the software and applications used in multimedia production.					

9. Teaching and learning strategies	
brainstorming group education	Strategy

10. Course structure					
Evaluation method	Learning method	Name of unit or topic	Required learning outcomes	watches	week
Written and oral	theory	What is multimedia?-Concept, definition and development	Bachelor'sS	4	1
Written and oral	theory	Physical components of multimedia	Bachelor's	4	2
Written and oral	theory	What is required to implement a multimedia project?	Bachelor's	4	3
Written and oral	theory	Multimedia production requirements	Bachelor's	4	4
Written and oral	theory	Multimedia elements	Bachelor's	4	5
Written and oral	theory	Written texts and still images	Bachelor's	4	6
Written and oral	theory	Still and Animation	Bachelor's	4	7
Written and oral	theory	sound-audio elements	Bachelor's	4	8
Written and oral	theory	Audio devices and equipment	Bachelor's	4	9
Written and	theory	What is digital	Bachelor's	4	10

oral		audio?-Features of digital audio			
Written and oral	theory	semester exam	Bachelor's	4	11
Written and oral	theory	Advantages of using sound in multimedia	Bachelor's	4	12
Written and oral	theory	Multimedia elements (graphics and video)	Bachelor's	4	13
Written and oral	theory	Multimedia technology and its capabilities	Bachelor's	4	14
Written and oral	theory	Multimedia and the Internet	Bachelor's	4	15
Written and oral	theory	Online multimedia tools	Bachelor's	4	16
Written and oral	theory	Characteristics and concepts associated with multimedia technology	Bachelor's	4	17
Written and oral	theory	Hypermedia-interactive multimedia	Bachelor's	4	18
Written and oral	theory	Hypermedia Team	Bachelor's	4	19
Written and oral	theory	Multimedia Design and Production Team	Bachelor's	4	20
Written and oral	theory	Multimedia Authoring	Bachelor's	4	21
Written and oral	theory	Multimedia authoring systems	Bachelor's	4	22
Written and oral	theory	Stages of preparation and planning for a multimedia project	Bachelor's	4	23
Written and oral	theory	Multimedia authoring programs	Bachelor's	4	24
Written and oral	theory	semester exam	Bachelor's	4	25

Written and oral	theory	Application programs that integrate multimedia components	Bachelor's	4	26
Written and oral	theory	usedTMultimedia in the field of media	Bachelor's	4	27
Written and oral	theory	usedTMultimedia applications in the field of electronic journalism	Bachelor's	4	28
Written and oral	theory	Uses of multimedia in advertising	Bachelor's	4	29
Written and oral	theory	Teaching and learning through multimedia	Bachelor's	4	30

11. Course Evaluation and Grade Divisions
The grade is distributed out of 100 based on the tasks assigned to the student, such as daily preparation, daily, oral, monthly and written exams, reports, etc.

12. Learning and teaching resources	
There are no textbooks.	Required textbooks (methodology if any)
1- Multimedia/Louay Al-Zaghbi 2020 2-Multimedia / Nael Harzallah - Dima Al-Damen / 2008 3-Multimedia Design and Applications / Mohammed Hussein	Main References (Sources)

Basbous - and others / 2004	
Information and library journals and information technology books	Recommended supporting books and references (scientific journals, reports...)
Information and resources available on websites about multimedia and its applications	Electronic references, websites