Course Description Form

Course Name:	
Bibliometrics/Master's	
Course Code:	
ITKM-4	
Semester / Year: Academic Year 2024-2025	
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**
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

.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)	There are no textbooks.
Main references (sources)	Online lectures and research with syste application
Recommended books and references (scientific journals, reports...)	Magazines and reports
Electronic References, Websites مكتبة النور/https://www.noor-book.com / 1. مكتبة الكتب / https://books-library.ne مكتبة الاسكندرية 1. / https://www.bibalex.org/ar/	What is available online about programm systems

Name and signature of the decision holder
wasan sami

Name and signature of the head of the department or branch

Was an sami

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	

Course Description Form

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	theory	Oral and Written

			field of information services		
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
١٥	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

Sumaya Younis Saeed

Course Description Form

Course Name:	
Organization of information containers / Master's degree-second course مسحوبة ضوئيا	
Course Code:	
ITKM8	
Semester / Year: Academic Year 2023-2024	
Academic Year 2023-2024	
Description Preparation Date:	
21/9 /2023	
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	Theoretical	Oral and

					written
			curriculum vocabulary	and practical	
			• Resource description and availability rules (RDA).		
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	Theoretical and practical	Oral and written

			record		
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
١٥	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...)	Sources from the Internet
Electronic References, Websites	20%

Assistant Professor. Rafal Nizar Abdel Qader

رئيس القسم

Course Description Form

Course Name:		
Advanced Cataloging / Master's degree- First course		
Course Code:		
ITKM3		
Semester / Year: Academic Year 2023-2024		
Academic Year 2023-2024		
Description Preparation Date:		
21/9 /2023		
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	Theoretical	Oral and

				contemporary cataloging Definition of curriculum vocabulary	and practical	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 preparing records for various materials other than books	Theoretical and practical	Oral and written

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

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

Electronic References, Websites	20%

Assistant Professor. Rafal Nizar Abdel Qader

رئيس القسم

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 of research, the scientific research methodology, and how to write it	theory	Oral and Written
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
١٥	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

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

Sumaya Younis Saeed

رئيس القسم

Course Description Form

Course Name:	
programming systems /Master's	
Course Code:	
ITKM-9	
Semester / Year: Academic Year 2024-2025	
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.

Course Structure

Week	Hours	Required	Unit or subject name	Learning method	Evaluation

		Learning Outcomes			method
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	Theory	Editorial

12	2	Master's	applications		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

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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/ 1. مكتبة الكتب / https://books-library.ne مكتبة الاسكندرية 1. / https://www.bibalex.org/ar/	

Name and signature of the decision holder
Wsasn sami

Name and signature of the head of the department or branch
Was an sami