



**The University of Jordan**

**Accreditation & Quality Assurance Center**

**COURSE Syllabus**

<b>1</b>	Course title	<b>Fundamentals of Information Retrieval</b>
<b>2</b>	Course number	807412
<b>3</b>	Credit hours (theory, practical)	3
	Contact hours (theory, practical)	3
<b>4</b>	Prerequisites/corequisites	
<b>5</b>	Program title	Library and information science
<b>6</b>	Program code	70
<b>7</b>	Awarding institution	University of Jordan
<b>8</b>	Faculty	Faculty of educational sciences
<b>9</b>	Department	Library and information science
<b>10</b>	Level of course	Undergraduate programme
<b>11</b>	Year of study and semester (s)	Forth year – Second Semester
<b>12</b>	Final Qualification	BA in Library and information science
<b>13</b>	Other department (s) involved in teaching the course	
<b>14</b>	Language of Instruction	English
<b>15</b>	Date of production/revision	Oct 2015

**16. Course Coordinator:**

Office numbers, office hours, phone numbers, and email addresses should be listed.

Dr. Faten Hamad  
 Office hours Sunday Tuesday and Thursday 11 to 12  
 Office phone number: 24579  
[f.hamad@ju.edu.jo](mailto:f.hamad@ju.edu.jo)

**17. Other instructors:**

*Office numbers, office hours, phone numbers, and email addresses should be listed.*

Dr. Faten Hamad  
 Office hours: To be scheduled each semester  
 Office phone number: 24579  
[f.hamad@ju.edu.jo](mailto:f.hamad@ju.edu.jo)

**18. Course Description:**

*As stated in the approved study plan.*

This course aims to introduce student to basics of information retrieval to introduce. The course will cover models; Boolean, vector space and probabilistic for information retrieval, techniques for indexing and searching, and algorithms for classification and clustering. Web searching and search engines as subjects of growing importance in the world of information retrieval will be addressed.

1. 19. Course aims and outcomes:
- 2.

**A- Aims:**

The aim of this course is to understand the basic concepts / types of information retrieval, look at how information retrieval process works and how information retrieval systems are implemented

**B- Intended Learning Outcomes (ILOs):** Upon successful completion of this course students will be able to ...

1. To gain a good understanding of information retrieval basics.
2. To understand retrieval behaviours, utilities and challenges.
3. To understand and manage IR systems and retrieval results.
4. To be aware of IR retrieval performance and assessment.

**20. Topic Outline and Schedule:**

Material	Evaluation method	ILOS	Week
Introduction to the course	Discussion	1	Week 1 & 2
Indexing and Classification	Assignments	1 & 2	Week3, Week 4 & Week 5
Relevancy and relevancy feedback	Discussion	3 & 4	Week 6 & week 7
Information seeking behavior	Discussion	2	Week 8 & 9
User's information needs	Discussion	2	Week 10
Retrieval Models	Assignments	3 & 4	Week 11
Retrieval evaluation	Assignments	4	Week 12
Information retrieval on the Web	Discussion	2	Week 13
Search engines	Discussion	2	Week 14

**21. Teaching Methods and Assignments:**

Lectures are given to students through power point slides.  
Peer reviewed articles are sometimes distributed to students in class to read and discuss  
Real life examples are introduced to better understand the concept of information retrieval  
There is an assignment that involves practice of using a information retrieval

**22. Evaluation Methods and Course Requirements:**

Opportunities to demonstrate achievement of the ILOs are provided through the following assessment methods and requirements:

One mid-term exam  
One assignment  
One final exam  
10 marks also go for participation and attendance

### 23. Course Policies:

#### A- Attendance policies:

Attendance is registered every lectures and entered into the system

#### B- Absences from exams and handing in assignments on time:

Make up exam is set for students with valid excuse

#### C- Health and safety procedures:

#### D- Honesty policy regarding cheating, plagiarism, misbehaviour:

Any cheating cases are to be reported (non so far!)

#### E- Grading policy:

Following ideal answer in some questions, allowing flexibility in the analytical questions since they allow different perspective and thinking, taking into consideration logical thinking.

#### F- Available university services that support achievement in the course:

Having a data show to demonstrate lectures

### 24. Required equipment:

Data show only

### 25. References:

- Handouts.
- **Basic reference text:** "[Introduction to Information Retrieval](#)". C.D. Manning, P. Raghavan, and H. Schütze. Cambridge University Press, 2008.
- **Further readings:**
  - "[Search Engines: Information Retrieval in Practice](#)", W. B. Croft, D. Metzler, and T. Strohman, Addison Wesley, 2009.
  - "[Modern Information Retrieval](#)". Ricardo Baeza-Yates and Berthier Ribeiro-Neto. Addison Wesley, 1999.

**26. Additional information:**

Name of Course Coordinator: -----Signature: ----- Date: -----

Head of curriculum committee/Department: ----- Signature: -----

Head of Department: ----- Signature: -----

Head of curriculum committee/Faculty: ----- Signature: -----

Dean: ----- -Signature: -----

Copy to:

Head of Department  
Assistant Dean for Quality Assurance  
Course File