Syrian Arab Republic		الجمهورية العربية السورية
Ministry of Higher Education	SVU	وزارة التعليم العاليي
Syrian Virtual University	الجامعــة الإفتراضيــة السوريــة Syrian Virtual University	الجامعة الافتراضية السورية

Course Description: Information Retrieval

1- Basic Information:

Course Name	Information Retrieval
Course ID	IR
Contact Hours (Registered Sessions)	16
Contact Hours (Synchronized Sessions)	16
Mid Term Exam	-
Exam	75 min
Registered Sessions Work Load	16
Synchronized Session Work Load	16
Credit Hours	3

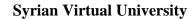
2- Pre-Requisites:

Course	ID
None	

3- Course General Objectives:

Education of basic principles in information retrieval science which is the essential of search engines. Knowledge of the methods used to search information in texts, how to index texts and the models of text representation, the measures permitting the determination of the relevance of the results to a giving query, and the methods of evaluating search engines and information retrieval systems.

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4- Intended Learning Outcomes (ILO):

Code	Intended Learning Outcomes
II 01	Learning basic principles in information retrieval and the methods of indexing,
ILO1	modeling, and searching of information
11.02	Knowledge of texts and queries representation models, indices types and ranking
ILO2	methods
ILO3	Understanding the text information retrieval different models
11.04	Evaluation of information retrieval systems and search engines and comparing their
ILO4	features
ILO5	Design and build a prototype of an information retrieval system or search engine
ILO6	
ILO7	
ILO8	

- 5- Course Syllabus (18 hours of total synchronized sessions; 18 hours of total Recorded Sessions)
 - RS: Recorded Sessions; SS: Synchronized Sessions;

ILO	Course Syllabus	RS	SS	Type	Additional Notes			
	Introduction and basic			□ Exercises				
	concepts, methods of			✓ Assignments				
ILO1	indexing, modeling, and	3	3	✓ Seminars				
ILOI	search of information	3	3	□ Projects				
				□ Practices				
				\Box Others				
				✓ Exercises				
							✓ Assignme	
	Text information retrieval		nts					
ILO2	/ documents and queries representation, indices	4.5	4.5 4.5	✓ Seminars				
	types, ranking methods			□ Projects				
	types, running methods			□ Practices				
				□ Others				
	Information metalogical			✓ Exercises				
ILO3	Information retrieval models	4.5	4.5	✓ Assignme				
	inoucis			nts				

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				□ Seminars
				□ Projects
				□ Practices
				□ Others
				✓ Exercises
				✓ Assignme
				nts
ILO4	Documents clustering	3	3	□ Seminars
				□ Projects
				☐ Practices
				□ Others
				✓ Exercis
	F14:			es
	Evaluation of information			☐ Assignments
ILO5	retrieval systems and search engines, evaluation	3	3	□ Seminars
	methods, comparisons.			□ Projects
	memous, companisons.			□ Practices
				□ Others
				☐ Exercises
				□ Assignments
ILO6				□ Seminars
ILOU				□ Projects
				□ Practices
				□ Others
				☐ Exercises
				□ Assignments
ILO7				□ Seminars
ILO7				□ Projects
				☐ Practices
				□ Others
				□ Exercises
				□ Assignments
ILO8				□ Seminars
11100				□ Projects
				□ Practices
				☐ Others

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6- Assessment Criteria (Related to ILOs)

ISC	Interactive Synchronized Collaboration		Ex	Exams		Rpt	Reports	
PF2F	Presentations and Face-to-Face Assessments		PW	Practice Wo	rk			

ILO			Assessment Type						
Code	ILO	Intended Results	ISC	PW	Ex	PF2F	Rpt		
ILO1	Learning basic principles in information retrieval and the methods of indexing, modeling, and searching of information			✓	✓				
ILO2	Knowledge of texts and queries representation models, indices types and ranking methods		√	√	✓				
ILO3	Understanding the text information retrieval different models		√	√	✓				
ILO4	Evaluation of information retrieval systems and search engines and comparing their features		✓	√	✓				
ILO5	Design and build a prototype of an information retrieval system or search engine								
ILO6									
ILO7									
ILO8									

7-Practice Tools:

Tool Name	Description
Course Name	

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8-Main References

Information Retrieval course content, Syrian virtual university, 2008. Introduction to Information Retrieval, Christopher Manning and Prabhakar Raghavan, 2009 Cambridge University Press.

9-Additional References

Search Engines, Information Retrieval in practice, W. Bruce Croft et all, Pearson Education, 2010.