



Course title and number	Methods of Scientific Research, 15050411
Instructor's name	E. Loway H. Qasem
Contact information	lowayhejjawi@yahoo.com
Semester and academic year	Second semester (2016- 2017)
Compulsory / Elective	Compulsory
Prerequisites	-----
Course Contents (description)	A practical course for students of Chemistry about some uses of computer, and laboratory in chemistry. This course deals with online search chemical and physical database, HNMR and CNMR for organic compounds. Also the search online for scientific articles and textbooks as well as visits to the library and the use of Chemical Abstract.
Course Objectives	Creating database for some chemicals using ChemFinder software. How to search online for chemicals and their physical and chemical properties. Also searching for scientific articles online and in the library.
Intended learning Outcomes and Competences	At the end of this course students should be able to have the knowledge of: 1. Finding chemical and physical properties of some compounds using special internet sites. 2. Finding scientific papers online. 3. Using Chemical Abstract
Textbook	A Guide for the Use of Chemical Literature

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بسم الله الرحمن الرحيم



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Assignment Criteria	Activity	Percent (%)
	Research, Discussion	50
	Final Exam	50

Week	Subject
1,2	Primary Resources
3,4	A Visit to the library
5,6	Secondary Resources
7	A Visit to the library
8,9	Current Abstracting Journals
10,11	A Visit to the library
12	Online search for: chemicals, properties and spectral data.
13	Online search for: Scientific papers, journals and textbooks
14-15	Discussion of the researches of the students
16	Final Exam