



## Software in Chemistry

Course Code	Course Num.	Course Name	Credit Hours	Lec.	Lab.	Tut.	Prerequisites
CHM	251	Software in Chemistry	2	0	4	0	none

### Objectives:

- Outline the importance and uses of Microsoft WinWord, Microsoft Excel, ChemOffice, EndNote and Mendeley
- Use the internet to search for papers, reports, references and books.
- Apply his computer skills to draw structures and to construct excel sheets.

### Syllabus:

Microsoft Word .

Microsoft Excel: home: clipboard, font, alignment, number, styles, cells, editing, insert: tables, illustrations, charts, hyperlinks, text, symbol, page layout: themes, page setup, scat to fit, sheet options, arrange, formulas: function library, data: data tools, outline, review: proofing, language, comments, changes, view: workbook view, show, zoom, windows.

ChemOffice: Chemical Drawing Software

Bibliographic Databases using Endnote, Mendeley, Chemical Abstracts, Journals, Conferences, Reports, Patents

Chemistry link collections: Major chemistry resources, Specialist resources, chemistry web search sites, ... etc.

### Textbook

Peter C. Jurs, Computer Software Applications in Chemistry, 2nd Edition.[ISBN: 978-0-471-10587-9].

### References:

1. Dermont Diamond and Venite Hanratty, Spreadsheet Applications in Chemistry Using Microsoft Excel (A Wiley-Interscience publication).
2. Stanley R. Crouch & F James Holler. Applications of Microsoft Excel in Analytical Chemistry.
3. Theresa Julia Zielinski and Mary L. Swift. Using computers in chemistry and chemical education .
4. Database usage in ChemDraw and ChemOffice, CambridgeSoft (2010).

