



**AL- al- Bayt University**  
**Chemistry Department**  
**Summer Semester 2018/2019**  
**Chem. 403216**

**Text Book** "Unitized Experiments in Organic Chemistry" by Ray Q. Brewster, Calvin A. VanderWerf & William E. McEwen. 3d ed. or any equivalent textbook.

**Lecturers** Dr. Mohammad M. Ibrahim Office: Imam Ibn Hazm

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**Office hours** Sun., Tue., Thu. 10:30-11:30 or by appointment.

**Lab.**

Sun., Tue. 13:00 – 16:00; Bairony Building

<b>Exp.</b>	<b>Title</b>
<b>1</b>	Melting Point Determination
<b>2</b>	Purification of Organic Compounds by Crystallization
<b>3</b>	Boiling Point and Distillation
<b>4</b>	Steam Distillation
<b>5</b>	Extraction
<b>6</b>	Isolation of Caffeine from Tea Leaves
<b>7</b>	Chromatography
<b>8</b>	Alcohols and phenols
<b>9</b>	Reactivity of Alkyl Halides in Nucleophilic Substitution
<b>10</b>	Aldehydes and Ketones
<b>11</b>	Stereoisomerism-Molecular Models

**Grading System :**

Midterm Exam 20% (Thu. 18 July 2019, 10:00-11:00, Al-Buchari 251)  
Pre/Post lab and Reports 30%  
Final Exam 50%