

# Course Syllabus

## 1- Physical Properties of Organic Compounds

- a- Melting Point
- b- Boiling Point
- c- Solubility

## 2- Separation and Purification of Organic Compounds

- a- Recrystallization
- b- Extraction
- c- Distillation
- d- Chromatography
  - 1- Thin layer Chromatography
  - 2- Paper Chromatography
  - 3- Column Chromatography

### 3-Preparation of some organic Compounds

- a- Preparation of Aspirin ( acetyl salicylic acid )
- b- Preparation of Methyl Salicylate

### 4-Identification of functional groups

- a- Alcohols
- b- Carboxylic acids
- c- Aldehyde and ketone
- d- Amines
- e- Ethers
- f- Esters