

## BMC1 2024/2025 2nd semester CHEMISTRY

| Week | Date  | Lecture  |
|------|-------|--|
| 1    | Feb11 | s-, p-, d-block metals. Hydrogen.  |
|      | Feb12 | Nonmetals : halogens and noble gases, oxygen and sulfur, nitrogen, phosphorus and carbon                             |
| 2    | Feb18 | Covalent bonding in organic compounds. Classification of organic compounds. Types of reactions in organic chemistry. |
|      | Feb19 | Stereochemistry  |
| 3    | Feb25 | Alkanes, cycloalkanes  |
|      | Feb26 | Unsaturated hydrocarbons   |
| 4    | Mar4  | <b>Summary of inorganic chemistry</b>  |
|      | Mar5  | <b>Summary of organic chemistry 1- review questions</b>  |
| 5    | Mar11 | Aromatic compounds 1: aromaticity, classification and nomenclature   |
|      | Mar12 | Aromatic compounds 2: reactions  |
| 6    | Mar18 | Organic halogen compounds.   |
|      | Mar19 | Alcohols and phenols.  |
| 7    | Mar25 | <b>Summary of organic chemistry 2</b>  |
|      | Mar26 | <b>Summary of organic chemistry 2 - review questions</b>   |
| 8    | Apr1  | Ethers. Organic sulfur compounds.  |
|      | Apr2  | Aldehydes, ketones and quinones  |
| 9    | Apr8  | Nitrogen containing organic compounds: aliphatic amines  |
|      | Apr9  | Nitrogen containing compounds: heterocyclic amines. Amines with b  |
| 10   | Apr15 | <b>Summary of organic chemistry 3</b>  |
|      | Apr16 | <b>Summary of organic chemistry 3 - review questions</b>   |
| 11   | Apr22 | Carboxylic acids 1   |
|      | Apr23 | Carboxylic acids 2   |

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| 12 | Apr29 | Carboxylic acid derivatives1: esters and amides                            |
|    | Apr30 | Carboxylic acid derivatives2: halides and anhydrides; salts and detergents |
| 13 | May6  | Important carboxylic acids. Substituted carboxylic acids.                  |
|    | May7  | <b>Summary of organic chemistry 4</b>                                      |
| 14 | May13 | Discussion; Information about FE   |
|    | May14 | <b>NO LECTURE</b>  |

**Textbook: McMurry: Chemistry 8th edition, Global edition;  
Organic Chemistry For Premedical Students**

