



اللائحة الدراسية:

First year

| semester | Level | Number of hours/week | | | Course Name | Course code |
|-----------------|------------|----------------------|------|----------|----------------------------------|-------------|
| | | exercises | Lab. | Lectures | | |
| first semester | First year | 0 | 4 | 3 | General Chemistry | 104 C |
| | | 0 | 4 | 2 | General Botany | 101 B |
| | | 0 | 4 | 2 | General Zoology | 101 Z |
| | | 0 | 2 | 2 | Natural and Historical Geology | 101 G |
| | | 0 | 2 | 1 | Computer | |
| | | 0 | 2 | 2 | Optics Electronics and Magnetism | 103 Ph |
| | | 1 | 0 | 2 | Calculus and Algebra | 105 M |
| second semester | | 0 | 4 | 3 | General Chemistry | 105 C |
| | | 0 | 4 | 2 | General Botany | 102 B |
| | | 0 | 4 | 2 | General Zoology | 102 Z |
| | | 0 | 2 | 2 | Crystals and Minerals | 102 G |
| | | 0 | 2 | 2 | Heat and Properties of Matter | 104 Ph |
| | | 1 | 0 | 2 | Calculus and Geometry | 106 M |
| | | 1 | 0 | 2 | English Language | 102 L |

Second year

| semester | Level | Number of hours/week | | | Course Name | Course code |
|-----------------|-------------|----------------------|------|----------|---|-------------|
| | | exercises | Lab. | Lectures | | |
| first semester | Second year | 0 | 4 | 3 | Entomology&Chordates | 201 Z |
| | | 0 | 4 | 3 | Economic Botany, Algae and Bacteria | 201 B |
| | | 1 | 0 | 2 | Chemical Thermodynamics | 205 C |
| | | 0 | 4 | 2 | Organic Chemistry | 206 C |
| | | 0 | 2 | 2 | Physical Optics | 207 Ph |
| | | 1 | 0 | 2 | Mathematics | 207 M |
| | | 0 | 0 | 2 | Human Rights and General Principles of The Law | |
| second semester | | 0 | 4 | 3 | Entomology&Invertebrates | 202 Z |
| | | 0 | 4 | 3 | Soil) & Ecology (Plant Cover Seed Physiology and Plant Taxonomy | 202 B |
| | | 0 | 4 | 2 | Inorganic Chemistry | 207 C |
| | | 1 | 0 | 2 | Organic Chemistry | 208 C |
| | | 0 | 2 | 2 | Spectra&Atomic Physics | 208 Ph |
| | | 0 | 2 | 1 | Computer sciences | 208 M |



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|--|--|---|---|---|------------------|-------|
| | | 1 | 0 | 2 | English Language | 202 L |
|--|--|---|---|---|------------------|-------|

Third year

| semester | Level | Number of hours/week | | | Course Name | Course code |
|-----------------|------------|----------------------|-----------|----------|---|-------------|
| | | Lab. | exercises | Lectures | | |
| first semester | Third year | 0 | 1 | 2 | Physical Chemistry Kinetics & Gases | 311 C |
| | | 4 | 0 | 2 | Inorganic Chemistry Transition Metals Complexes | 312 C |
| | | 4 | 0 | 3 | Physical Organic Stereochemistry | 313 C |
| | | 2 | 0 | 3 | Lipids & Carbohydrates | 301 B C |
| | | 4 | 0 | 4 | Proteins. Amino Acid Vitamines | 302 B C |
| | | 2 | 0 | 1 | Computer Sciences | 338 M |
| second semester | | 4 | 0 | 5 | Analytical Chemistry & Physical | 306 C |
| | | 4 | 0 | 2 | Organic Chemistry | 323 C |
| | | 4 | 0 | 4 | Hormons & Enzymes | 303 BC |
| | | 4 | 0 | 3 | & Mineral Metabolism & Water Tissue Chemistry | 304 BC |
| | | 0 | 0 | 1 | Statistics & Probability | 339 M |
| | | 0 | 0 | 1 | English Language | 302 L |

Fourth year

| semester | Level | Number of hours/week | | | Course Name | Course code |
|-----------------|-------------|----------------------|-----------|----------|---|-------------|
| | | Lab. | exercises | Lectures | | |
| first semester | Fourth year | 4 | 1 | 4 | Analytical Chemistry & Physical | 417 C |
| | | 4 | 1 | 2 | Organic Chemistry | 418 C |
| | | 4 | 0 | 3 | Immunochemistry and Industrial Microbiology | 402 B C |
| | | 4 | 0 | 3 | Food Metabolism and Fermentation | 403 B C |
| second semester | | 4 | 1 | 4 | Inorganic Chemistry | 419 C |
| | | 4 | 1 | 2 | Organic Chemistry | 420 C |
| | | 4 | 0 | 4 | Chromatography and Biological Activity of Tumor | 404 B C |
| | | 4 | 0 | 2 | Photosynthesis of Plant Cell Chemical Hormones Composition of Endocrine | 405 B C |
| | | 0 | 0 | 2 | Essay | |
| | | 0 | 0 | 1 | English Language | 402 L |
| | | 2 | 0 | 1 | Computer | |