



## Medical Laboratory plan (2024/2023)

### Plan 11

#### First Year

| Second semester           |           |                                         |              |
|---------------------------|-----------|-----------------------------------------|--------------|
| Prerequisite              | Hours     | Course Name                             | Course No.   |
| 0300141                   | 3         | General Biological Sciences 2           | 0300142      |
| 0200131                   | 3         | General Chemistry 2                     | 0300132      |
| 0300132<br>Or synchronous | 1         | General Chemistry Lab 1                 | 0300133      |
| 0200150<br>0201001        | 3         | Communication Skills (Arabic 1)         | 0200105      |
| .....                     | 3         | Islamic Culture and Contemporary Issues | 0200111      |
|                           | 1         | Life Skills                             | 0200153      |
|                           | 1         | Leadership and Social Responsibility    | 0200154      |
|                           | 1         | Pioneering and Innovation               | 0400202      |
|                           | <b>16</b> |                                         | <b>Total</b> |

| First Semester            |           |                                   |              |
|---------------------------|-----------|-----------------------------------|--------------|
| Prerequisite              | Hours     | Course Name                       | Course No.   |
| +0200151<br>0201001       | 3         | Communication Skills (English 1)  | 0200106      |
| .....                     | 3         | General Chemistry 1               | 0300131      |
| .....                     | 3         | General Biological Sciences 1     | 0300141      |
| 0300141<br>Or synchronous | 1         | General Biological Sciences Lab 1 | 0300143      |
| .....                     | 3         | National Education                | 0200104      |
|                           | 3         | University Elective Requirements  |              |
|                           |           |                                   |              |
|                           |           |                                   |              |
|                           | <b>16</b> |                                   | <b>Total</b> |

#### Second Year

| Second semester |           |                                        |              |
|-----------------|-----------|----------------------------------------|--------------|
| Prerequisite    | Hours     | Course Name                            | Course No.   |
| 0300142         | 3         | Histology                              | 0701227      |
| .....           | 3         | Biostatistics                          | 0701285      |
| 0300131         | 3         | Analytical Chemistry 1                 | 0300135      |
| .....           | 3         | Department Elective Requirements       | .....        |
| .....           | 3         | University Elective Requirements       | .....        |
|                 | 1         | Ethical Principles in Medical Sciences | 0701229      |
|                 | <b>16</b> |                                        | <b>Total</b> |

| First semester            |           |                                  |              |
|---------------------------|-----------|----------------------------------|--------------|
| Prerequisite              | Hours     | Course Name                      | Course No.   |
| 0300131                   | 3         | Organic chemistry                | 0300136      |
| 0300142                   | 2         | General Microbiology             | 0701242      |
| 0701242<br>Or synchronous | 1         | General Microbiology Laboratory  | 0701243      |
| 0300141                   | 3         | Basic Human Anatomy              | 0701262      |
| .....                     | 3         | Department Elective Requirements | .....        |
| .....                     | 3         | Military Science                 | 0200110      |
|                           | <b>15</b> |                                  | <b>Total</b> |



### Third Year

| Second Semester        |           |                                 |              |
|------------------------|-----------|---------------------------------|--------------|
| Prerequisite           | Hours     | Course Name                     | Course No.   |
| 0701227                | 2         | Hematology 1                    | 0701326      |
| 0701326 Or synchronous | 1         | Hematology 1 Laboratory         | 0701327      |
| 0300135<br>0300136     | 2         | Clinical Chemistry 1            | 0701330      |
| 0701330 Or synchronous | 1         | Clinical Chemistry 1 Laboratory | 0701331      |
| 0701227<br>0701364     | 3         | Pathophysiology                 | 0701324      |
| 0300142                | 2         | Medical parasitology            | 0701360      |
| 0701360 Or synchronous | 1         | Medical parasitology Laboratory | 0701362      |
| 0701242                | 3         | Medical virology and Mycology   | 0701350      |
| .....                  | 3         | University Elective Requirments | .....        |
|                        | <b>18</b> |                                 | <b>Total</b> |

| First semester            |           |                                         |              |
|---------------------------|-----------|-----------------------------------------|--------------|
| Prerequisite              | Hours     | Course Name                             | Course No.   |
| 0300141                   | 3         | Biochemistry                            | 0701314      |
| 0701227                   | 2         | Pathological Microtechniques            | 0701332      |
| 0701332<br>Or synchronous | 1         | Pathological Microtechniques Laboratory | 0701333      |
| 0300141                   | 2         | Instrumental Analysis                   | 0701325      |
| 0300141                   | 3         | Human Physiology                        | 0701364      |
| .....                     | 3         | Elective Requirments                    | .....        |
| 0300142                   | 2         | Molecular Cell Biology                  | 0701328      |
| 0701328<br>Or synchronous | 1         | Molecular Cell Biology Laboratory       | 0701329      |
|                           |           |                                         |              |
|                           | <b>17</b> |                                         | <b>Total</b> |

| Summer Semester |          |                                 |              |
|-----------------|----------|---------------------------------|--------------|
| Prerequisite    | Hours    | Course Name                     | Course No.   |
| .....           | 3        | Department Elective Requirments | .....        |
| 0300141         | 3        | Quality Control and Assurance   | 0701411      |
|                 | <b>6</b> |                                 | <b>TOTAL</b> |



#### Fourth year

| Second semester              |           |                                                          |              |
|------------------------------|-----------|----------------------------------------------------------|--------------|
| Prerequisite                 | Hours     | Course Name                                              | Course No.   |
| 0701450<br>0701326           | 2         | Blood Bank                                               | 0701422      |
| Or<br>synchronous<br>0701422 | 1         | Blood Bank Laboratory                                    | 0701423      |
| 0701330                      | 2         | Clinical Chemistry 2                                     | 0701420      |
| Or<br>synchronous<br>0701420 | 1         | Clinical Chemistry 2 Laboratory                          | 0701421      |
| 0701364                      | 2         | Endocrinology                                            | 0701464      |
| Or<br>synchronous<br>0701464 | 1         | Endocrinology Laboratory                                 | 0701468      |
| Department<br>approval       | 3         | Field Training in Hematology<br>and Immunology           | 0701497      |
| Department<br>approval       | 3         | Field Training in Biochemistry<br>and Clinical Chemistry | 0701498      |
| Graduation<br>requirement    | 0         | Society development and<br>volunteer work                | 0200115      |
|                              | <b>15</b> |                                                          | <b>Total</b> |

| First semester            |           |                                                      |              |
|---------------------------|-----------|------------------------------------------------------|--------------|
| Prerequisite              | Hours     | Course Name                                          | Course No.   |
| 0701326                   | 2         | Hematology 2                                         | 0701430      |
| 0701242                   | 2         | Clinical Immunology                                  | 0701450      |
| 0701450 Or<br>synchronous | 1         | Clinical<br>Immunology<br>Laboratory                 | 0701451      |
| 0701242                   | 3         | Diagnostic<br>Microbiology                           | 0701440      |
| Or synchronous<br>0701440 | 1         | Diagnostic<br>Microbiology<br>Laboratory             | 0701441      |
| Department<br>approval    | 3         | Field Training in<br>Histological<br>Microtechniques | 0701488      |
| Department<br>approval    | 3         | Field Training in<br>Microbiology                    | 0701490      |
| 0701364                   | 2         | Body Fluid Analysis                                  | 0701347      |
|                           | <b>17</b> |                                                      | <b>Total</b> |