

**Degree Plan**

|                          |                                                 |                         |
|--------------------------|-------------------------------------------------|-------------------------|
| <b>Degree :</b> Bachelor | <b>Faculty :</b> Inaya Medical Science Colleg   | <b>Plan hrs :</b> 134   |
| <b>Semester :</b> 111    | <b>Dept :</b> Clinical Laboratory Sciences      | <b>Plan Type :</b> Main |
| <b>Edition :</b> 1       | <b>Major :</b> CLS Clinical Laboratory Sciences | <b>Gender :</b> All     |

**Group : Compulsory ( 134 )**

| First Level |                              |     |           |       |                           |
|-------------|------------------------------|-----|-----------|-------|---------------------------|
| code        | Course Name                  | Hr. | requisite | Year. | Activities Desc           |
| BIOS 101    | Biostatistics                | 2   | -         | -     | Theory (2)                |
| COMM 101    | Communication Skills         | 1   | -         | -     | Theory (1)                |
| ORI 000     | Orientation                  | 0   | -         | -     | Activities (0)            |
| ISLM 105    | Medical Jurisprudence        | 2   | -         | -     | Theory (2)                |
| COMP 101    | Computer For Health Sciences | 2   | -         | -     | Theory (1), Practical (1) |
| ARAB 101    | Arabic Language              | 2   | -         | -     | Theory (2)                |
| ENGL 101    | English Language(I)          | 8   | -         | -     | Theory (4), Practical (4) |
| Total       |                              |     |           |       | 17                        |

| Second Level |                           |   |   |   |                           |
|--------------|---------------------------|---|---|---|---------------------------|
| BIOL 101     | Biology                   | 3 | - | - | Theory (2), Practical (1) |
| ETH 101      | Ethics In Health Care     | 1 | - | - | Theory (1)                |
| PHYS 101     | General Physics           | 3 | - | - | Practical (1), Theory (2) |
| CHEM 101     | Introduction To Chemistry | 3 | - | - | Theory (2), Practical (1) |
| ENGL 102     | English Language (I I)    | 4 | - | - | Theory (2), Practical (2) |
| ENGL 105     | Medical Terminology       | 3 | - | - | Theory (3)                |
| Total        |                           |   |   |   | 17                        |

| Third Level |                                        |   |              |   |                           |
|-------------|----------------------------------------|---|--------------|---|---------------------------|
| ISLM 106    | Family in Islam                        | 2 | -            | - | Theory (2)                |
| BMS 234     | Medical Ethics                         | 2 | COMM 101 - S | - | Theory (2)                |
| CLS 221     | Anatomy And Physiology                 | 4 | ETH 101 - S  | - | Theory (4)                |
| CLS 222     | Descriptive Histology                  | 3 | ENGL 105 - S | - | Theory (2), Practical (1) |
| CLS 231     | Clinical Analytical Chemistry          | 3 | PHYS 101 - S | - | Theory (2), Practical (1) |
| CLS 232     | Organic Chemistry For Medical Students | 3 | BIOL 101 - S | - | Theory (3)                |
| Total       |                                        |   |              |   | 17                        |

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| Edition : 1       | Major : CLS Clinical Laboratory Sciences | Gender : All     |

## Fourth Level

| code     | Course Name                | Hr. | requisite                  | Year. | Activities Desc           |
|----------|----------------------------|-----|----------------------------|-------|---------------------------|
| ISLM 107 | Economic System in Islam   | 2   | -                          | -     | Theory (2)                |
| ARAB 103 | Writing In Arabic Language | 2   | ARAB 101 - S               | -     | Theory (2)                |
| CLS 233  | Basic Biochemistry         | 4   | CLS 231 - S<br>CLS 232 - S | -     | Theory (3), Practical (1) |
| CLS 241  | General Hematology         | 3   | -                          | -     | Theory (2), Practical (1) |
| CLS 311  | Basic Microbiology         | 4   | CLS 221 - S                | -     | Theory (3), Practical (1) |
| CLS 322  | Histology Techniques       | 2   | -                          | -     | Theory (1), Practical (1) |
| Total    |                            |     |                            |       | 17                        |

## Fifth Level

|          |                                         |   |                            |   |                           |
|----------|-----------------------------------------|---|----------------------------|---|---------------------------|
| ISLM 108 | Human Rights                            | 2 | -                          | - | Theory (2)                |
| CLS 243  | Emergency Care                          | 2 | CLS 221 - S                | - | Theory (1), Practical (1) |
| CLS 312  | Clinical Mycology                       | 3 | -                          | - | Theory (2), Practical (1) |
| CLS 321  | General Pathology                       | 3 | CLS 221 - S<br>CLS 322 - S | - | Theory (2), Practical (1) |
| CLS 331  | Cellular Biochemistry And Metabolism(I) | 3 | CLS 233 - S                | - | Theory (2), Practical (1) |
| CLS 332  | Biochemical Instrumental Analysis       | 4 | CLS 233 - S                | - | Theory (3), Practical (1) |
| Total    |                                         |   |                            |   | 17                        |

## Sixth Level

|         |                                          |   |             |   |                           |
|---------|------------------------------------------|---|-------------|---|---------------------------|
| CLS 333 | Cellular Biochemistry And Metabolism(II) | 3 | -           | - | Theory (2), Practical (1) |
| CLS 411 | Clinical Bacteriology(I)                 | 3 | CLS 311 - S | - | Theory (2), Practical (1) |
| CLS 412 | Medical Parasitology                     | 3 | CLS 311 - S | - | Theory (2), Practical (1) |
| CLS 413 | Virology                                 | 2 | CLS 311 - S | - | Theory (2)                |
| CLS 421 | Pathophysiology                          | 3 | -           | - | Theory (2), Practical (1) |
| CLS 422 | Cytopathology                            | 2 | -           | - | Theory (1), Practical (1) |
| Total   |                                          |   |             |   | 16                        |

## Seventh Level

|         |                                  |   |             |   |                           |
|---------|----------------------------------|---|-------------|---|---------------------------|
| CLS 334 | Clinical Diagnostic Biochemistry | 4 | -           | - | Theory (3), Practical (1) |
| CLS 414 | Clinical Bacteriology(II)        | 3 | -           | - | Theory (2), Practical (1) |
| CLS 415 | Immunology                       | 3 | CLS 241 - S | - | Theory (2), Practical (1) |
| CLS 431 | Urinalysis & Body Fluids         | 3 | CLS 333 - S | - | Theory (2), Practical (1) |
| CLS 441 | Immunohematology                 | 3 | CLS 241 - S | - | Theory (2), Practical (1) |
| Total   |                                  |   |             |   | 16                        |

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| <b>Edition :</b> 1       | <b>Major :</b> CLS Clinical Laboratory Sciences | <b>Gender :</b> All     |

## Eighth Level

| code    | Course Name                                | Hr. | requisite                | Year. | Activities Desc           |
|---------|--------------------------------------------|-----|--------------------------|-------|---------------------------|
| CLS 417 | Microbiology Clinical Practice             | 3   | CLS 414 - S              | -     | Theory (1), clinical (2)  |
| CLS 432 | Biochemistry Clinical Practice             | 3   | CLS 334 - S<br>CLS 433 - | -     | Theory (1), clinical (2)  |
| CLS 433 | Clinical Enzymology                        | 2   | CLS 334 - S              | -     | Theory (1), Practical (1) |
| CLS 442 | Hematology Clinical Practice               | 3   | CLS 441 - S              | -     | Theory (1), clinical (2)  |
| CLS 451 | Medical Genetics And Molecular Diagnostics | 4   | CLS 334 - S              | -     | Theory (3), Practical (1) |
| CLS 452 | Laboratory Management                      | 2   | CLS 334 - S              | -     | Theory (2)                |
| Total   |                                            |     |                          |       | 17                        |