Program for Clinical Biochemistry M.Sc.

A. Deficiency or compensatory courses in the program of the non-continuous master's course in Clinical Biochemistry

| code | Name | Credits | Hours | | | Prerequisite |
|---|---|---|---|---|---|---|
| | | | Theoretical | Practical | Total | |
| 1 | General Physiology | 2 | 34 | - | 34 | - |
| 2 | General Biochemistry | 6 | 85 | 34 | 119 | - |
| 3 | General Immunology | 2 | 34 | - | 34 | - |
| 4 | Medical Information Systems | 1 | 9 | 1 | 26 | - |
| Total | | 11 | | | | |

B.

| Code | Name | Credits | Hours | | | Prerequisite |
|---|---|---|---|---|---|---|
| | | | Theoretical | Practical | Total | |
| 5 | Laboratory methods, recognition and working with devices | 2 | 17 | 34 | 51 | 02 |
| 6 | Biochemistry and molecular diagnosis | 2 | 34 | - | 34 | 02 |
| 7 | Enzymology | 2 | 34 | - | 34 | 02 |
| 8 | Metabolism of ternary substances and disorders | 2 | 34 | - | 34 | 02 |
| 9 | Biochemistry of hormones and tumor markers | 2 | 34 | - | 34 | 02 |
| 10 | Advanced tissue biochemistry | 2 | 34 | - | 34 | 02, 03 |
| 11 | Clinical Biochemistry | 3 | 51 | - | 51 | 02, 05 |
| 12 | Seminar | 1 | 17 | - | 17 | - |
| 13 | Hospital internship | 2 | - | 102 | 102 | All Theoretical-practical courses |

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|---|---|---|---|---|---|---|
| 14 | Thesis | 8 | - | - | - | - |
| Total | | 26 | | | | |

C. Non-core courses

| Code | Name | Credits | Hours | | | Prerequisite |
|---|---|---|---|---|---|---|
| | | | Theoretical | Practical | Total | |
| 15 | Immunochemistry | 2 | 34 | - | 34 | 02,03,05 |
| 16 | Hematology | 2 | 34 | - | 34 | - |
| 17 | Research Methods | 2 | 34 | - | 34 | - |
| 18 | Nutritional biochemistry | 2 | 34 | - | 34 | 02 |
| 19 | Cytochemistry | 2 | 34 | - | 34 | 02,05 |
| 20 | Membrane and transport biochemistry | 2 | 34 | - | 34 | 01,02 |
| 2 | Molecular mechanism of diseases | 2 | 34 | - | 34 | 02 |
| 22 | Bioinformatics | 2 | 17 | 34 | 51 | 02 |
| 23 | Applied Statistics | 2 | 34 | - | 34 | - |
| Total | | 18 | | | | |