**Medical biology (in English) from 2016-2017**

| SEMESTER | No. | Subjects | pass / exam | Hours | | | | Year I | | | | Year II | | | | Year III | | | | Others | Total ECTS | Total hours BC | Total hours GCH | Total hours OCH | Total hours PC | Total hours MC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | 1st sem. | | 2nd sem. | | 3rd sem. | | 4th sem. | | 5th sem. | | 6 sem. | | | | | | | | |
| | | | | Total | Lectures | Exercise | ext. Lab. | L | E | L | E | L | E | L | E | L | E | L | E | | | | | | | |
| I | 1 | The Subject of General Education | p | 30 | 30 | 0 | | 30 | 0 | | | | | | | | | | | | 2 | | | | | |
| | 2 | Foreign Language | p | 30 | 0 | 30 | | 0 | 30 | | | | | | | | | | | | 2 | | | | | |
| | 3 | Ergonomics | p | 2 | 2 | 0 | | 2 | 0 | | | | | | | | | | | | 0,25 | | | | | |
| | 4 | Protection of Intellectual Property | p | 2 | 2 | 0 | | 2 | 0 | | | | | | | | | | | | 0,25 | | | | | |
| | 5 | Training of safety and hygiene at work | p | 4 | 4 | 0 | | 4 | 0 | | | | | | | | | | | | 0,5 | | | | | |
| | 6 | Ethical Code | p | 4 | 4 | 0 | | 4 | 0 | | | | | | | | | | | | 0,5 | | | | | |
| | 7 | Bioethics | p | 10 | 10 | 0 | | 10 | 0 | | | | | | | | | | | 1 | 1 | | | | | |
| | 8 | Information technology | p | 30 | 0 | 30 | | 0 | 30 | | | | | | | | | | | | 2 | | | | | |
| | | **PHYSICS COURSE I** | | | | | | | | | | | | | | | | | | | | | | | | |
| | **9** | Physics | p | 60 | 20 | 40 | | 20 | 40 | | | | | | | | | | | 2 | 4,5 | | | | 60 | |
| | | **MATHEMATIHICS COURSE I** | | | | | | | | | | | | | | | | | | | | | | | | |
| | **10** | Mathematics | p | 30 | 10 | 20 | | 10 | 20 | | | | | | | | | | | 2 | 2 | | | | | 30 |
| | | **GENERAL CHEMISTRY COURSE I** | | | | | | | | | | | | | | | | | | | | | | | | |
| | **11** | General Chemistry | p | 60 | 20 | 40 | | 20 | 40 | | | | | | | | | | | 2 | 4 | | 60 | | | |
| | | **BIOLOGY COURSE I** | | | | | | | | | | | | | | | | | | | | | | | | |
| | **12** | Cell biology | **e** | 30 | 10 | 20 | | 10 | 20 | | | | | | | | | | | 2 | 2 | 30 | | | | |
| | **13** | Zoology | **e** | 55 | 20 | 20 | 15 | 20 | 35 | | | | | | | | | | | 3 | 4 | 55 | | | | |
| | **14** | Histology | p | 70 | 20 | 50 | | 20 | 50 | | | | | | | | | | | 2 | 5 | 70 | | | | |
| | | ***TOTAL SEMESTER I*** | | **417** | **152** | **250** | **15** | **152** | **265** | | | | | | | | | | | **14** | **30** | **155** | **60** | **0** | **60** | **30** |
| II | 15 | The subject of General Education | p | 30 | 30 | 0 | | | | 30 | 0 | | | | | | | | | | 2 | | | | | |
| | 16 | Foreign Language | p | 30 | 0 | 30 | | | | 0 | 30 | | | | | | | | | | 2 | | | | | |
| | 17 | Biostatistics in Medicine | p | 30 | 10 | 20 | | | | 10 | 20 | | | | | | | | | 2 | 2 | | | | | |
| | | **ORGANIC CHEMISTRY COURSE I** | | | | | | | | | | | | | | | | | | | | | | | | |
| | **18** | Organic Chemistry | **e** | 75 | 30 | 45 | | | | 30 | 45 | | | | | | | | | 2 | 5 | | | 75 | | |
| | | **PHYSICS COURSE II** | | | | | | | | | | | | | | | | | | | | | | | | |
| | **19** | Biophysics | **e** | 70 | 20 | 50 | | | | 20 | 50 | | | | | | | | | 2 | 5 | | | | 70 | |
| | | **GENERAL CHEMISTRY COURSE II** | | | | | | | | | | | | | | | | | | | | | | | | |
| | **20** | General Chemistry | **e** | 70 | 20 | 50 | | | | 20 | 50 | | | | | | | | | 2 | 5 | | 70 | | | |
| | | **BIOLOGY COURSE II** | | | | | | | | | | | | | | | | | | | | | | | | |
| | **21** | Botany | p | 45 | 15 | 20 | 10 | | | 15 | 30 | | | | | | | | | 2 | 3 | 45 | | | | |
| | **22** | Human Functional Anatomy | **e** | 75 | 30 | 45 | | | | 30 | 45 | | | | | | | | | 2 | 6 | 75 | | | | |
| | | ***TOTAL SEMESTER II*** | | **425** | **155** | **260** | **10** | | | **155** | **270** | | | | | | | | | **12** | **30** | **120** | **70** | **75** | **70** | **0** |
| III | 23 | Foreign Language | p | 30 | 0 | 30 | | | | | | 0 | 30 | | | | | | | | 2 | | | | | |
| | | **ORGANIC CHEMISTRY COURSE II** | | | | | | | | | | | | | | | | | | | | | | | | |
| | **24** | Biochemistry | **e** | 75 | 30 | 45 | | | | | | 30 | 45 | | | | | | | 2 | 7 | | | 75 | | |
| | | **BIOLOGY COURSE III** | | | | | | | | | | | | | | | | | | | | | | | | |
| | **25** | Genetics | **e** | 45 | 15 | 30 | | | | | | 15 | 30 | | | | | | | 2 | 3 | 45 | | | | |
| | **26** | Human Physiology | p | 60 | 30 | 30 | | | | | | 30 | 30 | | | | | | | 1 | 5 | 60 | | | | |
| | **27** | Plant Physiology | p | 30 | 10 | 20 | | | | | | 10 | 20 | | | | | | | 2 | 2 | 30 | | | | |
| | **28** | Medical Microbiology and Mycology | **e** | 80 | 20 | 40 | 20 | | | | | 20 | 60 | | | | | | | 2 | 7 | 80 | | | | |
| | 29 | Elective Courses | p | 70 | 30 | 40 | | | | | | 30 | 40 | | | | | | | 3 | 4 | | | | | |
| | | ***TOTAL SEMESTER III*** | | **390** | **135** | **235** | **20** | | | | | **135** | **255** | | | | | | | **12** | **30** | **215** | **0** | **75** | **0** | **0** |
| IV | 30 | Foreign Language | **e** | 30 | 0 | 30 | | | | | | | | 0 | 30 | | | | | | 2 | | | | | |
| | | **BIOLOGY COURSE IV** | | | | | | | | | | | | | | | | | | | | | | | | |
| | **31** | Human Physiology | **e** | 75 | 30 | 45 | | | | | | | | 30 | 45 | | | | | 2 | 6,5 | 75 | | | | |
| | **32** | Methods of Molecular Detection | **e** | 90 | 30 | 60 | | | | | | | | 30 | 60 | | | | | 2 | 7,5 | 90 | | | | |
| | **33** | Methods of *in vitro* Cultures | p | 60 | 10 | 50 | | | | | | | | 10 | 50 | | | | | 1 | 5 | 60 | | | | |
| | | **ORGANIC CHEMISTRY COURSE III** | | | | | | | | | | | | | | | | | | | | | | | | |
| | **34** | Basis of Enzymology | p | 30 | 10 | 20 | | | | | | | | 10 | 20 | | | | | 1 | 2 | | | 30 | | |
| | | **MATHEMATIHICS COURSE II** | | | | | | | | | | | | | | | | | | | | | | | | |
| | **35** | Calculus | p | 45 | 20 | 25 | | | | | | | | 20 | 25 | | | | | 2 | 3 | | | | | 45 |
| | 36 | Elective Courses | p | 70 | 30 | 40 | | | | | | | | 30 | 40 | | | | | 3 | 4 | | | | | |
| | | ***TOTAL SEMESTER IV*** | | **400** | **130** | **270** | **0** | | | | | | | **130** | **270** | | | | | **11** | **30** | **225** | **0** | **30** | **0** | **45** |
| V | | **BIOLOGY COURSE V** | | | | | | | | | | | | | | | | | | | | | | | | |
| | **37** | Basis of Epidemiology | p | 25 | 10 | 15 | | | | | | | | | | 10 | 15 | | | 2 | 2 | 25 | | | | |
| | **38** | Immunology and Basic Immunotherapy | **e** | 50 | 20 | 30 | | | | | | | | | | 20 | 30 | | | 2 | 5 | 50 | | | | |
| | **39** | Reproduction and Endocrinology | **e** | 35 | 10 | 25 | | | | | | | | | | 10 | 25 | | | 2 | 3 | 35 | | | | |
| | **40** | Biological Methods of Diagnostic | **e** | 100 | 20 | 70 | 10 | | | | | | | | | 20 | 80 | | | 1 | 7 | 100 | | | | |
| | 41 | Physical Education | p | 60 | 0 | 60 | | | | | | | | | | | 60 | | | 1 | 2 | | | | | |
| | 42 | Undergraduate Seminar | p | 30 | 0 | 30 | | | | | | | | | | 0 | 30 | | | 1 | 2 | | | | | |
| | 43 | Profecional Practice | p | 0 | 0 | 0 | | | | | | | | | | 0 | 0 | | | 160 | 6 | | | | | |
| | 44 | Bachelor's Degree Thesis and Preparation for a Diploma Examination | p | 0 | 0 | 0 | | | | | | | | | | 0 | 0 | | | 25 | 3 | | | | | |
| | | ***TOTAL SEMESTER V*** | | **300** | **60** | **230** | **10** | | | | | | | | | **60** | **240** | | | **194** | **30** | **210** | **0** | **0** | **0** | **45** |
| VI | 45 | Bachelor's Degree Thesis and Preparation for a Diploma Examination | p | 0 | 0 | 0 | | | | | | | | | | | | 0 | 0 | 50 | 7 | | | | | |
| | 46 | Undergraduate Seminar | p | 30 | 0 | 30 | | | | | | | | | | | | 0 | 30 | 1 | 2 | | | | | |
| | | **BIOLOGY COURSE VI** | | | | | | | | | | | | | | | | | | | | | | | | |
| | 47 | Methods of Human Molecular Diagnostic | **e** | 45 | 0 | 45 | | | | | | | | | | | | 0 | 45 | 2 | 4,5 | 45 | | | | |
| | **48** | Promotion and Protection of the Health | p | 30 | 10 | 20 | | | | | | | | | | | | 10 | 20 | 1 | 2 | 30 | | | | |
| | **49** | Genetic Engineering | p | 50 | 20 | 30 | | | | | | | | | | | | 20 | 30 | 2 | 5 | 50 | | | | |
| | **50** | Introduction to the Medical Biotechnology | p | 20 | 20 | 0 | | | | | | | | | | | | 20 | 0 | 1 | 1,5 | 20 | | | | |
| | **51** | Ecology and Evolutionary Biology | p | 38 | 10 | 18 | 10 | | | | | | | | | | | 10 | 28 | 1 | 3 | 38 | | | | |
| | 52 | Enterprise | p | 15 | 15 | 0 | | | | | | | | | | | | 15 | 0 | 1 | 1 | | | | | |
| | 53 | Elective Courses | p | 70 | 30 | 40 | | | | | | | | | | | | 30 | 40 | 3 | 4 | | | | | |
| | | ***TOTAL SEMESTER VI*** | | **298** | **105** | **183** | **10** | | | | | | | | | | | **105** | **193** | **62** | **30** | **183** | **0** | **0** | **0** | **0** |
| | | **Total Hours** | | **2230** | **737** | **1428** | **65** | | | | | | | | | | | | | **305** | **180** | | | | | |
| | | | | | **35%** | **65%** | | | | | | | | | | | | | | | | **925** | **130** | **180** | **130** | **75** |
| | | | | | **737,4** | **1428,7** | | | | | | | | | | | | | | | | BIOLOGY | G. CHEMISTRY | O.CHEMISTRY | PHYSICS | MATHEMATI |
| | | Total Hours in semester | | | | | | **417** | | **425** | | **390** | | **400** | | **300** | | **298** | | | | | | | | |