

Recommended pass through the study plan

Name of the pass: Medical Laboratory Diagnostics 19/20, 20/21, 21/22, 22/23, 23/24, 24/25

Faculty/Institute/Others:

Department:

Pass through the study plan: Medical Laboratory Diagnostics

Branch of study guaranteed by the department: Welcome page

Guarantor of the study branch:

Program of study: Medical Laboratory Diagnostics

Type of study: Bachelor full-time

Note on the pass: Informaci o p edepsaném minimálním po tu PV p edm t pro konkrétní jednotlivé semestry najdete v odpovídajícím studijním plánu programu.

Coding of roles of courses and groups of courses:

P - compulsory courses of the program, PO - compulsory courses of the branch, Z - compulsory courses, S - compulsory elective courses, PV - compulsory elective courses, F - elective specialized courses, V - elective courses, T - physical training courses

Coding of ways of completion of courses (KZ/Z/ZK) and coding of semesters (Z/L):

KZ - graded assesment, Z - assesment, ZK - examination, L - summer semester, Z - winter semester

Number of semester: 1

| Code | Name of the course / Name of the group of courses (in case of groups of courses the list of codes of their members) Tutors, authors and guarantors (gar.) | Completion | Credits | Scope | Semester | Role |
|-----------|---|------------|---------|----------|----------|------|
| F7PBLAF1 | Human Anatomy and Physiology I. Martina Nedbalová Martina Nedbalová | Z | 5 | 2P+2C | Z | z |
| 17BOZP | Occupational Safety and Health, Fire Protection and First Aid Petr Kudrna Petr Kudrna Petr Kudrna (Gar.) | Z | 0 | 1P | Z | z |
| F7PBLEVZ | Ethics in Health Care Tibor Bre ka Tibor Bre ka Tibor Bre ka (Gar.) | KZ | 2 | 2P | Z | z |
| F7PBLFYZ | Physics Jana Urzová, Eva Urbánková, Jan Mikšovský, Petr Písa ík Petr Písa ík Jana Urzová (Gar.) | Z,ZK | 4 | 2P+1C+1L | Z | z |
| F7PBLMAZ | Management and Administration in Health Care Ji í erný Ji í erný Ji í erný (Gar.) | KZ | 2 | 1P | Z | z |
| F7PBLCHLV | General Chemistry and Basic Laboratory Calculations Miriam Hošková, Martina Turchichová Miriam Hošková Miriam Hošková (Gar.) | Z,ZK | 6 | 2P+2C+2L | Z | z |
| F7PBLOBC | Fundamentals of General Biology and Cytology Ta ána Jarošíková Ta ána Jarošíková Ta ána Jarošíková (Gar.) | ZK | 3 | 2P | Z | z |
| F7PBLZBF | Medical Biophysics Jozef Rosina, Jana Hudzietzová Jozef Rosina Jozef Rosina (Gar.) | Z,ZK | 3 | 1P+1C | Z | z |
| F7PBLZPK | Medical Psychology and Communication Dana Rebeka Ralbovská, Monika Donevová Monika Donevová Dana Rebeka Ralbovská (Gar.) | Z | 2 | 2P+1S | Z | z |
| F7PBLOATP | Professional English Terminology (Advanced) Eva Moty ková Eva Moty ková Eva Moty ková (Gar.) | Z | 3 | 2S | Z | s |
| F7PBLOATZ | Professional English Terminology (Beginners) Eva Moty ková Eva Moty ková Eva Moty ková (Gar.) | Z | 3 | 2S | Z | s |

Number of semester: 2

| Code | Name of the course / Name of the group of courses (in case of groups of courses the list of codes of their members) Tutors, authors and guarantors (gar.) | Completion | Credits | Scope | Semester | Role |
|-----------|---|------------|---------|-------|----------|------|
| F7PBLAF2 | Human Anatomy and Physiology II. Martina Nedbalová Martina Nedbalová Ivan Dylevský (Gar.) | Z,ZK | 4 | 2P+2C | L | z |
| F7PBLBCH1 | Biochemistry I. Martina Turchichová Martina Turchichová (Gar.) | Z,ZK | 4 | 2P+2L | L | z |
| F7PBLILP | Individual Summer Practice (Biochemistry) Jana Hudzietzová, Daniela Obítková Daniela Obítková Daniela Obítková (Gar.) | Z | 4 | 4XT | L | z |
| F7PBLMIM | Microscopic Methods Ta ána Jarošíková, Hana Kalábová Ta ána Jarošíková Ta ána Jarošíková (Gar.) | Z | 2 | 1P+2L | L | z |

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|-----------|---|------|---|-------|---|---|
| F7PBLOMB | General Microbiology <i>Jan Bobek Jan Bobek Emil Pavlík (Gar.)</i> | Z,ZK | 4 | 2P+2L | L | z |
| F7PBLOBM | Collection of Biological Material <i>Martina Dingová Šlíková Martina Dingová Šlíková Martina Dingová Šlíková (Gar.)</i> | Z | 1 | 0.5C | L | z |
| F7PBLOPL | Laboratory Organization and Operation <i>Lucie Poláková, Ondřej Pošta Ondřej Pošta Ondřej Pošta (Gar.)</i> | Z | 2 | 1P+1L | L | z |
| F7PBLPPO | First Aid <i>Pavel Böhm Pavel Böhm Pavel Böhm (Gar.)</i> | KZ | 2 | 1P+1C | L | z |
| F7PBLZACH | Fundamentals of Analytical Chemistry <i>Danuše Andrisová, Martina Turchichová Martina Turchichová (Gar.)</i> | Z,ZK | 4 | 2P+2L | L | z |
| F7PBLZLT | Basics of Laboratory Techniques <i>Daniela Obítková Daniela Obítková Daniela Obítková (Gar.)</i> | Z | 1 | 2L | L | z |
| F7PBLZRF | Fundamentals of Radiobiology and Photobiology <i>Jana Hudzietzová, Jaroslav Prcha, Leoš Navrátil Jana Hudzietzová</i> | Z,ZK | 1 | 1P+1L | L | z |
| F7PBLZVZ | Basics of Public Healthcare and Legislation in Healthcare <i>Jan Bříza Jan Bříza Jan Bříza (Gar.)</i> | KZ | 1 | 2P | L | z |

Number of semester: 3

| Code | Name of the course / Name of the group of courses (in case of groups of courses the list of codes of their members) <i>Tutors, authors and guarantors (gar.)</i> | Completion | Credits | Scope | Semester | Role |
|-----------|--|------------|---------|-------|----------|------|
| F7PBLBCH2 | Biochemistry II. <i>Lenka Fialová Daniela Obítková Lenka Fialová (Gar.)</i> | Z,ZK | 5 | 2P+2L | Z | z |
| F7PBLHTS1 | Hematology and Transfusion Service I. <i>Dominik Kutá, Miloš Bohoněk, Ludmila Landová Miloš Bohoněk Miloš Bohoněk (Gar.)</i> | Z | 5 | 2P+3L | Z | z |
| F7PBLHHT | Histology and Histological Techniques <i>Jana Hudzietzová, Jiří Uhlík, Richard Becke Richard Becke Jiří Uhlík (Gar.)</i> | Z,ZK | 5 | 2P+3L | Z | z |
| F7PBLKMB | Clinical Microbiology <i>Jan Bobek, Emil Pavlík Jan Bobek Emil Pavlík (Gar.)</i> | Z,ZK | 4 | 2P+2L | Z | z |
| F7PBLZF | Basics of Pharmacology and Radiopharmacology <i>Jana Hudzietzová, Eva Jandová Jana Hudzietzová Jana Hudzietzová (Gar.)</i> | ZK | 2 | 2P | Z | z |
| F7PBLZII | Fundamentals of Immunology and Immunochemistry <i>Taána Jarošíková, Romana Šírová Taána Jarošíková Taána Jarošíková (Gar.)</i> | Z,ZK | 5 | 2P+2L | Z | z |
| F7PBLZPA | Basics of Pathology <i>Miloš Sokol Ivan Dylevský Ivan Dylevský (Gar.)</i> | ZK | 2 | 2P | Z | z |
| F7PBLZOD | Image Data Processing in Laboratory Diagnostics <i>Zoltán Szabó, Michal Reimer Zoltán Szabó Zoltán Szabó (Gar.)</i> | Z | 2 | 1P+1C | Z | z |

Number of semester: 4

| Code | Name of the course / Name of the group of courses (in case of groups of courses the list of codes of their members) <i>Tutors, authors and guarantors (gar.)</i> | Completion | Credits | Scope | Semester | Role |
|------------|---|------------|---------|-------|----------|------|
| F7PBLGEN | Genetics <i>Taána Jarošíková, Hana Kalábová Taána Jarošíková Taána Jarošíková (Gar.)</i> | Z,ZK | 2 | 2P+2C | L | z |
| F7PBLHTS2 | Hematology and Transfusion Service II. <i>Miloš Bohoněk Miloš Bohoněk Miloš Bohoněk (Gar.)</i> | Z,ZK | 4 | 2P+3L | L | z |
| F7PBLKBCH1 | Clinical Biochemistry I. <i>Daniela Obítková, Lenka Fialová, Jaroslav Racek Daniela Obítková Jaroslav Racek (Gar.)</i> | Z | 4 | 2P+2L | L | z |
| F7PBLKIM | Clinical Immunology <i>Jiří Hrdý Jiří Hrdý Jiří Hrdý (Gar.)</i> | Z,ZK | 3 | 2P+2L | L | z |
| F7PBLPR | Laboratory practice-Hematology and Transfusions, Histology, Biochemistry, Microbiology, Immunology <i>Jana Hudzietzová, Daniela Obítková Daniela Obítková Daniela Obítková (Gar.)</i> | Z | 9 | 40XD | L | z |
| F7PBLRAO | Radiation Protection <i>Jana Hudzietzová Jana Hudzietzová Jana Hudzietzová (Gar.)</i> | Z,ZK | 1 | 1P+1C | L | z |
| F7PBLSBP | Bachelor Thesis Seminar <i>Monika Donevová Monika Donevová Monika Donevová (Gar.)</i> | Z | 1 | 1S | L | z |
| F7PBLSLP | Ideal Laboratory Practice <i>Emil Pavlík Emil Pavlík Emil Pavlík (Gar.)</i> | Z,ZK | 3 | 1P+2S | L | z |
| F7PBLSMJ | Quality Management System in the Laboratory <i>Vojtěch Kamenský, Peter Kneppo Eliška Friebová</i> | Z | 1 | 1P+1S | L | z |
| F7PBLZHE | Basics of Hygiene and Epidemiology <i>Emil Pavlík Emil Pavlík Emil Pavlík (Gar.)</i> | KZ | 2 | 2P | L | z |

Number of semester: 5

| Code | Name of the course / Name of the group of courses (in case of groups of courses the list of codes of their members) Tutors, authors and guarantors (gar.) | Completion | Credits | Scope | Semester | Role |
|------------|---|------------|---------|-------|----------|------|
| F7PBLISZ | Information Systems in Health Care Zoltán Szabó, Dagmar Brechlerová, Anna Horáková, David Jírša, Martin Bejtík, Tomáš Krajčák, Christiane Malá Anna Horáková Zoltán Szabó (Gar.) | Z,ZK | 3 | 2P+2C | Z | z |
| F7PBLKBCH2 | Clinical Biochemistry II. Daniela Obítková, Jaroslav Racek, Pavla Bojarová Pavla Bojarová Jaroslav Racek (Gar.) | Z,ZK | 6 | 2P+2L | Z | z |
| F7PBL LZP | Laboratory Medical Devices Martina Turchichová, Stanislav Gajdoš Kateřina Dunovská Martina Turchichová (Gar.) | Z,ZK | 3 | 2P+2L | Z | z |
| F7PBLMVV | Methodology of Scientific Research Leoš Navrátil Leoš Navrátil Leoš Navrátil (Gar.) | Z | 2 | 1P | Z | z |
| F7PBLMOB | Molecular Biology Tařána Jaroříková, Leontýna Varvařovská Tařána Jaroříková Tařána Jaroříková (Gar.) | Z,ZK | 5 | 2P+2L | Z | z |
| F7PBLPMS | Probability and Mathematical Statistics Marek Piorecký, Filip Černý Filip Černý Marek Piorecký (Gar.) | KZ | 4 | 1P+2C | Z | z |
| F7PBLZLZ | Exam Prep for working with Laboratory Animals Milada Šírová Milada Šírová (Gar.) | ZK | 2 | 1P | Z | z |
| F7PBLSL | Forensic Medicine Miloř Sokol Miloř Sokol Miloř Sokol (Gar.) | KZ | 2 | 1P | Z | z |
| F7PBLZTXL | Basics of Toxicology Daniela Obítková, Zdeněk Honč Daniela Obítková Zdeněk Honč (Gar.) | Z,ZK | 3 | 1P+1S | Z | z |

Number of semester: 6

| Code | Name of the course / Name of the group of courses (in case of groups of courses the list of codes of their members) Tutors, authors and guarantors (gar.) | Completion | Credits | Scope | Semester | Role |
|------------|---|------------|---------|--------|----------|------|
| F7PBLBP | Bachelor Thesis Lenka Fialová, Tomáš Hložek | Z | 6 | 160ZP | L | z |
| F7PBLKGE | Clinical Genetics Antonín Šípek Antonín Šípek Antonín Šípek (Gar.) | Z,ZK | 3 | 5P+5C | L | z |
| F7PBL LPB | Laboratory Practice - Biochemistry Jana Hudzietzová, Daniela Obítková Daniela Obítková Daniela Obítková (Gar.) | Z | 2 | 40XH | L | z |
| F7PBL LPG | Laboratory Practice - Genetics and Molecular Biology Jana Hudzietzová, Daniela Obítková Daniela Obítková Daniela Obítková (Gar.) | Z | 4 | 80XH | L | z |
| F7PBL PHT | Laboratory Practice - Hematology and Transfusion Jana Hudzietzová, Daniela Obítková Daniela Obítková Daniela Obítková (Gar.) | Z | 4 | 80XH | L | z |
| F7PBL LPI | Laboratory Practice - Immunology Jana Hudzietzová, Daniela Obítková Daniela Obítková Daniela Obítková (Gar.) | Z | 4 | 80XH | L | z |
| F7PBL LPM | Laboratory Practice - Microbiology Jana Hudzietzová, Daniela Obítková Daniela Obítková Daniela Obítková (Gar.) | Z | 2 | 40XH | L | z |
| F7PBLVMOVZ | Investigation Methods in Public Health Protection Magdalena Wantochová Magdalena Wantochová Věra Adámková (Gar.) | Z,ZK | 5 | 5P+15L | L | z |

List of groups of courses of this pass with the complete content of members of individual groups

List of courses of this pass:

| Code | Name of the course | Completion | Credits |
|----------|---|------------|---------|
| 17BOZP | Occupational Safety and Health, Fire Protection and First Aid | Z | 0 |
| F7PBLAF1 | Human Anatomy and Physiology I. | Z | 5 |
| F7PBLAF2 | Human Anatomy and Physiology II. | Z,ZK | 4 |

| | | | |
|------------|--|------|---|
| F7PBLBCH1 | Biochemistry I. | Z,ZK | 4 |
| F7PBLBCH2 | Biochemistry II. | Z,ZK | 5 |
| F7PBLBP | Bachelor Thesis | Z | 6 |
| F7PBLCHLV | General Chemistry and Basic Laboratory Calculations | Z,ZK | 6 |
| F7PBLEVZ | Ethics in Health Care | KZ | 2 |
| F7PBLFYZ | Physics | Z,ZK | 4 |
| F7PBLGEN | Genetics | Z,ZK | 2 |
| F7PBLHHT | Histology and Histological Techniques | Z,ZK | 5 |
| F7PBLHTS1 | Hematology and Transfusion Service I. | Z | 5 |
| F7PBLHTS2 | Hematology and Transfusion Service II. | Z,ZK | 4 |
| F7PBLILP | Individual Summer Practice (Biochemistry) | Z | 4 |
| F7PBLISZ | Information Systems in Health Care | Z,ZK | 3 |
| F7PBLKBCH1 | Clinical Biochemistry I. | Z | 4 |
| F7PBLKBCH2 | Clinical Biochemistry II. | Z,ZK | 6 |
| F7PBLKGE | Clinical Genetics | Z,ZK | 3 |
| F7PBLKIM | Clinical Immunology | Z,ZK | 3 |
| F7PBLKMB | Clinical Microbiology | Z,ZK | 4 |
| F7PBLLPB | Laboratory Practice - Biochemistry | Z | 2 |
| F7PBLLPG | Laboratory Practice - Genetics and Molecular Biology | Z | 4 |
| F7PBLLPHT | Laboratory Practice - Hematology and Transfusion | Z | 4 |
| F7PBLLPPI | Laboratory Practice - Immunology | Z | 4 |
| F7PBLLPMP | Laboratory Practice - Microbiology | Z | 2 |
| F7PBLLPMPR | Laboratory practice-Hematology and Transfusions, Histology, Biochemistry, Microbiology, Immunology | Z | 9 |
| F7PBLLPZP | Laboratory Medical Devices | Z,ZK | 3 |
| F7PBLMAZ | Management and Administration in Health Care | KZ | 2 |
| F7PBLMIM | Microscopic Methods | Z | 2 |
| F7PBLMOB | Molecular Biology | Z,ZK | 5 |
| F7PBLMVV | Methodology of Scientific Research | Z | 2 |
| F7PBLOATP | Professional English Terminology (Advanced) | Z | 3 |
| F7PBLOATZ | Professional English Terminology (Beginners) | Z | 3 |
| F7PBLOBC | Fundamentals of General Biology and Cytology | ZK | 3 |
| F7PBLOBM | Collection of Biological Material | Z | 1 |
| F7PBLOMB | General Microbiology | Z,ZK | 4 |
| F7PBLOPL | Laboratory Organization and Operation | Z | 2 |
| F7PBLPMS | Probability and Mathematical Statistics | KZ | 4 |
| F7PBLPPO | First Aid | KZ | 2 |
| F7PBLRAO | Radiation Protection | Z,ZK | 1 |
| F7PBLSBP | Bachelor Thesis Seminar | Z | 1 |
| F7PBLSL | Forensic Medicine | KZ | 2 |
| F7PBLSLP | Ideal Laboratory Practice | Z,ZK | 3 |
| F7PBLSMJ | Quality Management System in the Laboratory | Z | 1 |
| F7PBLVMOVZ | Investigation Methods in Public Health Protection | Z,ZK | 5 |
| F7PBLZACH | Fundamentals of Analytical Chemistry | Z,ZK | 4 |
| F7PBLZBF | Medical Biophysics | Z,ZK | 3 |
| F7PBLZCF | Basics of Pharmacology and Radiopharmacology | ZK | 2 |
| F7PBLZHE | Basics of Hygiene and Epidemiology | KZ | 2 |
| F7PBLZII | Fundamentals of Immunology and Immunochemistry | Z,ZK | 5 |
| F7PBLZLT | Basics of Laboratory Techniques | Z | 1 |
| F7PBLZLZ | Exam Prep for working with Laboratory Animals | ZK | 2 |
| F7PBLZOD | Image Data Processing in Laboratory Diagnostics | Z | 2 |
| F7PBLZPA | Basics of Pathology | ZK | 2 |
| F7PBLZPK | Medical Psychology and Communication | Z | 2 |
| F7PBLZRF | Fundamentals of Radiobiology and Photobiology | Z,ZK | 1 |
| F7PBLZTXL | Basics of Toxicology | Z,ZK | 3 |
| F7PBLZVZ | Basics of Public Healthcare and Legislation in Healthcare | KZ | 1 |

For updated information see <http://bilakniha.cvut.cz/en/FF.html>

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