

Study plan

Name of study plan: Medical Laboratory Diagnostics

Faculty/Institute/Others:

Department:

Branch of study guaranteed by the department: Welcome page

Garantor of the study branch:

Program of study: Medical Laboratory Diagnostics

Type of study: Bachelor full-time

Required credits: 180

Elective courses credits: 0

Sum of credits in the plan: 180

Note on the plan:

Name of the block: Compulsory courses

Minimal number of credits of the block: 177

The role of the block: Z

Code of the group: F7PBL POV 19

Name of the group: Medical Laboratory Diagnostics compulsory course

Requirement credits in the group: In this group you have to gain 177 credits

Requirement courses in the group: In this group you have to complete 56 courses

Credits in the group: 177

Note on the group:

| Code | Name of the course / Name of the group of courses <i>(in case of groups of courses the list of codes of their members)</i> 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 |
| F7PBLAF2 | Human Anatomy and Physiology II. Martina Nedbalová Martina Nedbalová Martina Nedbalová (Gar.) | Z,ZK | 4 | 2P+2C | L | z |
| F7PBLBP | Bachelor Thesis Tomáš Hložek, Lenka Fialová | Z | 6 | 160ZP | L | z |
| 17BOZP | Occupational Safety and Health, Fire Protection and First Aid Petr Kudrna Petr Kudrna Petr Kudrna (Gar.) | Z | 0 | 1P | Z | z |
| F7PBLBCH1 | Biochemistry I. Miriam Hošková, Martina Turchichová, Anna Ludvíková Iveta Horáková Martina Turchichová (Gar.) | Z,ZK | 4 | 2P+2L | L | z |
| F7PBLBCH2 | Biochemistry II. Lenka Fialová Lenka Fialová (Gar.) | Z,ZK | 5 | 2P+2L | Z | z |
| F7PBLEVZ | Ethics in Health Care Tibor Breka Tibor Breka Tibor Breka (Gar.) | KZ | 2 | 2P | Z | z |
| F7PBLFYZ | Physics Jana Urzová, Eva Urbánková, Jan Mikšovský, Petr Písařík Petr Písařík Jana Urzová (Gar.) | Z,ZK | 4 | 2P+1C+1L | Z | z |
| F7PBLGEN | Genetics Taána Jarošíková, Hana Vrbová Taána Jarošíková Taána Jarošíková (Gar.) | Z,ZK | 2 | 2P+2C | L | z |
| F7PBLHTS1 | Hematology and Transfusion Service I. Dominik Kutáš, Miloš Bohonák, Ludmila Landová Miloš Bohonák Miloš Bohonák (Gar.) | Z | 5 | 2P+3L | Z | z |
| F7PBLHTS2 | Hematology and Transfusion Service II. Miloš Bohonák Miloš Bohonák Miloš Bohonák (Gar.) | Z,ZK | 4 | 2P+3L | L | z |
| F7PBLHHT | Histology and Histological Techniques Jana Hudzietzová, Jiří Uhlík, Richard Becke Richard Becke Jiří Uhlík (Gar.) | Z,ZK | 5 | 2P+3L | Z | z |
| F7PBLILP | Individual Summer Practice (Biochemistry) Daniela Obitková, Jana Hudzietzová Daniela Obitková Daniela Obitková (Gar.) | Z | 4 | 4XT | L | z |
| F7PBLISZ | Information Systems in Health Care Dagmar Brechlerová, Anna Horáková, Zoltán Szabó, David Jirsa, Iva Bubílková, Martin Bejtic, Tomáš Krajca, Christiane Malá Anna Horáková Zoltán Szabó (Gar.) | Z,ZK | 3 | 2P+2C | Z | z |

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|------------|---|------|---|----------|---|---|
| F7PBLKBCH1 | Clinical Biochemistry I. Lenka Fialová, Daniela Obitková, Jaroslav Racek Daniela Obitková Jaroslav Racek (Gar.) | Z | 4 | 2P+2L | L | z |
| F7PBLKBCH2 | Clinical Biochemistry II. Daniela Obitková, Jaroslav Racek, Pavla Bojarová Pavla Bojarová Jaroslav Racek (Gar.) | Z,ZK | 6 | 2P+2L | Z | z |
| F7PBLKGE | Clinical Genetics Antonín Šípek Antonín Šípek Antonín Šípek (Gar.) | Z,ZK | 3 | 5P+5C | L | z |
| F7PBLKIM | Clinical Immunology Roman Má alík Roman Má alík Roman Má alík (Gar.) | Z,ZK | 3 | 2P+2L | L | z |
| F7PBLKMB | Clinical Microbiology Jan Bobek, Emil Pavlík Jan Bobek Emil Pavlík (Gar.) | Z,ZK | 4 | 2P+2L | Z | z |
| F7PBLLPB | Laboratory Practice - Biochemistry Daniela Obitková, Jana Hudzietzová Daniela Obitková Daniela Obitková (Gar.) | Z | 2 | 40XH | L | z |
| F7PBLLPG | Laboratory Practice - Genetics and Molecular Biology Daniela Obitková, Jana Hudzietzová Daniela Obitková Daniela Obitková (Gar.) | Z | 4 | 80XH | L | z |
| F7PBLLPHT | Laboratory Practice - Hematology and Transfusion Daniela Obitková, Jana Hudzietzová Daniela Obitková Daniela Obitková (Gar.) | Z | 4 | 80XH | L | z |
| F7PBLLPR | Laboratory practice-Hematology and Transfusions, Histology, Biochemistry, Microbiology, Immunology Daniela Obitková, Jana Hudzietzová Daniela Obitková Daniela Obitková (Gar.) | Z | 9 | 40XD | L | z |
| F7PBLLPI | Laboratory Practice - Immunology Daniela Obitková, Jana Hudzietzová Daniela Obitková Daniela Obitková (Gar.) | Z | 4 | 80XH | L | z |
| F7PBLLPM | Laboratory Practice - Microbiology Daniela Obitková, Jana Hudzietzová Daniela Obitková Daniela Obitková (Gar.) | Z | 2 | 40XH | L | z |
| F7PBLLZP | Laboratory Medical Devices Martina Turchichová, Danuše Andrisová Anna Ludvíková Martina Turchichová (Gar.) | Z,ZK | 3 | 2P+2L | Z | z |
| F7PBLMAZ | Management and Administration in Health Care Ji í erný Ji í erný Ji í erný (Gar.) | KZ | 2 | 1P | Z | z |
| F7PBLMVV | Methodology of Scientific Research Monika Doneiová, Leoš Navrátil Leoš Navrátil Leoš Navrátil (Gar.) | Z | 2 | 1P | Z | z |
| F7PBLMIM | Microscopic Methods Ta ána Jarošíková, Hana Vrbová Ta ána Jarošíková Ta ána Jarošíková (Gar.) | Z | 2 | 1P+2L | L | z |
| F7PBLMOB | Molecular Biology Ta ána Jarošíková Ta ána Jarošíková Ta ána Jarošíková (Gar.) | Z,ZK | 5 | 2P+2L | Z | z |
| F7PBLCHLV | General Chemistry and Basic Laboratory Calculations Miriam Hošková, Martina Turchichová, Iveta Horáková Iveta Horáková Miriam Hošková (Gar.) | Z,ZK | 6 | 2P+2C+2L | Z | z |
| F7PBLOMB | General Microbiology Jan Bobek Jan Bobek Emil Pavlík (Gar.) | Z,ZK | 4 | 2P+2L | L | z |
| F7PBLOBM | Collection of Biological Material Martina Dingová Šliková Martina Dingová Šliková Martina Dingová Šliková (Gar.) | Z | 1 | 0.5C | L | z |
| F7PBLOPL | Laboratory Organization and Operation Lucie Poláková, Ond ej Pošta Ond ej Pošta Ond ej Pošta (Gar.) | Z | 2 | 1P+1L | L | z |
| F7PBLPMS | Probability and Mathematical Statistics Marek Piorecký, Zden k Linha, Michaela Mrázková, Filip erný Zden k Linha Marek Piorecký (Gar.) | KZ | 4 | 1P+2C | Z | z |
| F7PBLPO | First Aid Pavel Böhm Pavel Böhm Pavel Böhm (Gar.) | KZ | 2 | 1P+1C | L | z |
| F7PBLZLZ | Exam Prep for working with Laboratory Animals Milada Šírová Milada Šírová Milada Šírová (Gar.) | ZK | 2 | 1P | Z | z |
| F7PBLRAO | Radiation Protection Jana Hudzietzová Jana Hudzietzová Jana Hudzietzová (Gar.) | Z,ZK | 1 | 1P+1C | L | z |
| F7PBLSBP | Bachelor Thesis Seminar Monika Doneiová Monika Doneiová Monika Doneiová (Gar.) | Z | 1 | 1S | L | z |
| F7PBLSL | Forensic Medicine Milos Sokol Milos Sokol Miloš Sokol (Gar.) | KZ | 2 | 1P | Z | z |
| F7PBLSLP | Ideal Laboratory Practice Emil Pavlík Emil Pavlík Emil Pavlík (Gar.) | Z,ZK | 3 | 1P+2S | L | z |
| F7PBLSMJ | Quality Management System in the Laboratory Vojt ch Kamenský, Peter Kneppo Eliška Friebová | Z | 1 | 1P+1S | L | z |
| F7PBLMOVZ | Investigation Methods in Public Health Protection František Bílek V ra Adámková (Gar.) | Z,ZK | 5 | 5P+15L | L | z |
| F7PBLZACH | Fundamentals of Analytical Chemistry Iveta Horáková Iveta Horáková Iveta Horáková (Gar.) | Z,ZK | 4 | 2P+2L | L | z |
| F7PBLZF | Basics of Pharmacology and Radiopharmacology Jana Hudzietzová, Eva Jandová Jana Hudzietzová Jana Hudzietzová (Gar.) | ZK | 2 | 2P | Z | z |
| F7PBLZHE | Basics of Hygiene and Epidemiology Emil Pavlík Emil Pavlík Emil Pavlík (Gar.) | KZ | 2 | 2P | L | z |

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|-----------|---|------|---|-------|---|---|
| F7PBLZII | Fundamentals of Immunology and Immunochemistry Ta ána Jarošíková, Romana Široká Ta ána Jarošíková Ta ána Jarošíková (Gar.) | Z,ZK | 5 | 2P+2L | Z | z |
| F7PBLZLT | Basics of Laboratory Techniques Daniela Obitková Daniela Obitková Daniela Obitková (Gar.) | Z | 1 | 2L | L | z |
| F7PBLOBC | Fundamentals of General Biology and Cytology Ta ána Jarošíková Ta ána Jarošíková Ta ána Jarošíková (Gar.) | ZK | 3 | 2P | Z | z |
| F7PBLZPA | Basics of Pathology Milos Sokol Milos Sokol Milos Sokol (Gar.) | ZK | 2 | 2P | Z | z |
| F7PBLZRF | Fundamentals of Radiobiology and Photobiology Jana Hudzietzová, Leoš Navrátil, Jaroslav Prcha Jana Hudzietzová | Z,ZK | 1 | 1P+1L | L | z |
| F7PBLZTXL | Basics of Toxicology Daniela Obitková, Zden k Hon Daniela Obitková Zden k Hon (Gar.) | Z,ZK | 3 | 1P+1S | Z | z |
| F7PBLVZ | Basics of Public Healthcare and Legislation in Healthcare Jan B íza Jan B íza Jan B íza (Gar.) | KZ | 1 | 2P | L | z |
| F7PBLZBF | Medical Biophysics Jana Hudzietzová, Jozef Rosina Jozef Rosina Jozef Rosina (Gar.) | Z,ZK | 3 | 1P+1C | Z | z |
| F7PBLZPK | Medical Psychology and Communication Monika Donevová, Dana Rebeka Ralbovská Monika Donevová Dana Rebeka Ralbovská (Gar.) | Z | 2 | 2P+1S | Z | z |
| F7PBLZOD | Image Data Processing in Laboratory Diagnostics Zoltán Szabó, Christiane Malá Zoltán Szabó Zoltán Szabó (Gar.) | Z | 2 | 1P+1C | Z | z |

Characteristics of the courses of this group of Study Plan: Code=F7PBL POV 19 Name=Medical Laboratory Diagnostics compulsory course

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|------------|--|------|---|
| F7PBLAF1 | Human Anatomy and Physiology I. | Z | 5 |
| F7PBLAF2 | Human Anatomy and Physiology II. | Z,ZK | 4 |
| F7PBLBP | Bachelor Thesis | Z | 6 |
| 17BOZP | Occupational Safety and Health, Fire Protection and First Aid | Z | 0 |
| F7PBLBCH1 | Biochemistry I. | Z,ZK | 4 |
| F7PBLBCH2 | Biochemistry II. | Z,ZK | 5 |
| F7PBLEVZ | Ethics in Health Care | KZ | 2 |
| F7PBLFYZ | Physics | Z,ZK | 4 |
| F7PBLGEN | Genetics | Z,ZK | 2 |
| F7PBLHTS1 | Hematology and Transfusion Service I. | Z | 5 |
| F7PBLHTS2 | Hematology and Transfusion Service II. | Z,ZK | 4 |
| F7PBLHHT | Histology and Histological Techniques | Z,ZK | 5 |
| F7PBLILP | Individual Summer Practice (Biochemistry) | Z | 4 |
| F7PBLISZ | Information Systems in Health Care | Z,ZK | 3 |
| F7PBLKBC1 | Clinical Biochemistry I. | Z | 4 |
| F7PBLKBC2 | 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 |
| F7PBLLPR | Laboratory practice-Hematology and Transfusions, Histology, Biochemistry, Microbiology, Immunology | Z | 9 |
| F7PBLLPI | Laboratory Practice - Immunology | Z | 4 |
| F7PBLLPM | Laboratory Practice - Microbiology | Z | 2 |
| F7PBLLZP | Laboratory Medical Devices | Z,ZK | 3 |
| F7PBLMAZ | Management and Administration in Health Care | KZ | 2 |
| F7PBLMVV | Methodology of Scientific Research | Z | 2 |
| F7PBLMIM | Microscopic Methods | Z | 2 |
| F7PBLMOB | Molecular Biology | Z,ZK | 5 |
| F7PBLCHLV | General Chemistry and Basic Laboratory Calculations | Z,ZK | 6 |
| F7PBLOMB | General Microbiology | Z,ZK | 4 |
| F7PBLOBM | Collection of Biological Material | Z | 1 |
| F7PBLOPL | Laboratory Organization and Operation | Z | 2 |
| F7PBLPMS | Probability and Mathematical Statistics | KZ | 4 |
| F7PBLPO | First Aid | KZ | 2 |
| F7PBLZLZ | Exam Prep for working with Laboratory Animals | ZK | 2 |
| F7PBLRAO | Radiation Protection | Z,ZK | 1 |
| F7PBLSPB | 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 |

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|-----------|---|------|---|
| F7PBLZACH | Fundamentals of Analytical Chemistry | Z,ZK | 4 |
| F7PBLZF | 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 |
| F7PBLOBC | Fundamentals of General Biology and Cytology | ZK | 3 |
| F7PBLZPA | Basics of Pathology | ZK | 2 |
| F7PBLZRF | Fundamentals of Radiobiology and Photobiology | Z,ZK | 1 |
| F7PBLZTXL | Basics of Toxicology | Z,ZK | 3 |
| F7PBLVZ | Basics of Public Healthcare and Legislation in Healthcare | KZ | 1 |
| F7PBLZBF | Medical Biophysics | Z,ZK | 3 |
| F7PBLZPK | Medical Psychology and Communication | Z | 2 |
| F7PBLZOD | Image Data Processing in Laboratory Diagnostics | Z | 2 |

Name of the block: Compulsory elective courses

Minimal number of credits of the block: 3

The role of the block: S

Code of the group: F7LDZ PV 1S

Name of the group: Medical Laboratory Diagnostics compulsory optional course

Requirement credits in the group: In this group you have to gain at least 3 credits (at most 6)

Requirement courses in the group: In this group you have to complete at least 1 course (at most 2)

Credits in the group: 3

Note on the group:

| Code | Name of the course / Name of the group of courses <i>(in case of groups of courses the list of codes of their members)</i> Tutors, authors and guarantors (gar.) | Completion | Credits | Scope | Semester | Role |
|-----------|--|------------|---------|-------|----------|------|
| 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 |

Characteristics of the courses of this group of Study Plan: Code=F7LDZ PV 1S Name=Medical Laboratory Diagnostics compulsory optional course

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|-----------|--|---|---|
| F7PBLOATP | Professional English Terminology (Advanced) | Z | 3 |
| F7PBLOATZ | Professional English Terminology (Beginners) | Z | 3 |

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 |
| F7PBLLPI | Laboratory Practice - Immunology | Z | 4 |
| F7PBLLPM | Laboratory Practice - Microbiology | Z | 2 |
| F7PBLLPR | Laboratory practice-Hematology and Transfusions, Histology, Biochemistry, Microbiology, Immunology | Z | 9 |
| F7PBLLZP | 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 |
| F7PBLPO | 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 |
| F7PBLZF | 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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