

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 (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
F7PBLAF2	Human Anatomy and Physiology II. Martina Nedbalová Martina Nedbalová Ivan Dylevský (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. Martina Turchichová Martina Turchichová (Gar.)	Z,ZK	4	2P+2L	L	z
F7PBLBCH2	Biochemistry II. Lenka Fialová Daniela Obítková Lenka Fialová (Gar.)	Z,ZK	5	2P+2L	Z	z
F7PBLEVZ	Ethics in Health Care Tibor Brečka Tibor Brečka Tibor Brečka (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 Taťána Jarošíková, Hana Kalábová Taťána Jarošíková Taťána Jarošíková (Gar.)	Z,ZK	2	2P+2C	L	z
F7PBLHTS1	Hematology and Transfusion Service I. Dominik Kutáč, Miloš Bohoněk, Ludmila Landová Miloš Bohoněk Miloš Bohoněk (Gar.)	Z	5	2P+3L	Z	z
F7PBLHTS2	Hematology and Transfusion Service II. Miloš Bohoněk Miloš Bohoněk Miloš Bohoněk (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 Obítková, Jana Hudzietzová Daniela Obítková Daniela Obítková (Gar.)	Z	4	4XT	L	z
F7PBLISZ	Information Systems in Health Care Dagmar Brechlerová, Anna Horňáková, Zoltán Szabó, David Jirsa, Martin Bejtík, Tomáš Krajča, Christiane Malá Anna Horňáková Zoltán Szabó (Gar.)	Z,ZK	3	2P+2C	Z	z
F7PBLKBCH1	Clinical Biochemistry I. Lenka Fialová, Daniela Obítková, Jaroslav Racek Daniela Obítková Jaroslav Racek (Gar.)	Z	4	2P+2L	L	z

F7PBLKBCH2	Clinical Biochemistry II. <i>Daniela Obítková, Jaroslav Racek, Pavla Bojarová Pavla Bojarová Jaroslav Racek (Gar.)</i>	Z,ZK	6	2P+2L	Z	z
F7PBLKGE	Clinical Genetics <i>Antonín Šípek Antonín Šípek Antonín Šípek (Gar.)</i>	Z,ZK	3	5P+5C	L	z
F7PBLKIM	Clinical Immunology <i>Jiří Hrdý Jiří Hrdý Jiří Hrdý (Gar.)</i>	Z,ZK	3	2P+2L	L	z
F7PBLKMB	Clinical Microbiology <i>Jan Bobek, Emil Pavlík Jan Bobek Emil Pavlík (Gar.)</i>	Z,ZK	4	2P+2L	Z	z
F7PBLLPB	Laboratory Practice - Biochemistry <i>Daniela Obítková, Jana Hudzietzová Daniela Obítková Daniela Obítková (Gar.)</i>	Z	2	40XH	L	z
F7PBL LPG	Laboratory Practice - Genetics and Molecular Biology <i>Daniela Obítková, Jana Hudzietzová Daniela Obítková Daniela Obítková (Gar.)</i>	Z	4	80XH	L	z
F7PBLLPHT	Laboratory Practice - Hematology and Transfusion <i>Daniela Obítková, Jana Hudzietzová Daniela Obítková Daniela Obítková (Gar.)</i>	Z	4	80XH	L	z
F7PBLLP R	Laboratory practice-Hematology and Transfusions, Histology, Biochemistry, Microbiology, Immunology <i>Daniela Obítková, Jana Hudzietzová Daniela Obítková Daniela Obítková (Gar.)</i>	Z	9	40XD	L	z
F7PBLLP I	Laboratory Practice - Immunology <i>Daniela Obítková, Jana Hudzietzová Daniela Obítková Daniela Obítková (Gar.)</i>	Z	4	80XH	L	z
F7PBLLP M	Laboratory Practice - Microbiology <i>Daniela Obítková, Jana Hudzietzová Daniela Obítková Daniela Obítková (Gar.)</i>	Z	2	40XH	L	z
F7PBL LZP	Laboratory Medical Devices <i>Martina Turchichová, Stanislav Gajdoš Kateřina Dunovská Martina Turchichová (Gar.)</i>	Z,ZK	3	2P+2L	Z	z
F7PBLMAZ	Management and Administration in Health Care <i>Jiří Černý Jiří Černý Jiří Černý (Gar.)</i>	KZ	2	1P	Z	z
F7PBLMVV	Methodology of Scientific Research <i>Leoš Navrátil Leoš Navrátil Leoš Navrátil (Gar.)</i>	Z	2	1P	Z	z
F7PBLMIM	Microscopic Methods <i>Tatána Jarošíková, Hana Kalábová Tatána Jarošíková Tatána Jarošíková (Gar.)</i>	Z	2	1P+2L	L	z
F7PBLMOB	Molecular Biology <i>Tatána Jarošíková, Leontýna Varvařovská Tatána Jarošíková Tatána Jarošíková (Gar.)</i>	Z,ZK	5	2P+2L	Z	z
F7PBLCHLV	General Chemistry and Basic Laboratory Calculations <i>Martina Turchichová, Miriam Hošková Miriam Hošková Miriam Hošková (Gar.)</i>	Z,ZK	6	2P+2C+2L	Z	z
F7PBLOMB	General Microbiology <i>Jan Bobek Jan Bobek Emil Pavlík (Gar.)</i>	Z,ZK	4	2P+2L	L	z
F7PBL OBM	Collection of Biological Material <i>Martina Dingová Šlíková Martina Dingová Šlíková Martina Dingová Šlíková (Gar.)</i>	Z	1	0.5C	L	z
F7PBL OPL	Laboratory Organization and Operation <i>Lucie Poláková, Ondřej Pošta Ondřej Pošta Ondřej Pošta (Gar.)</i>	Z	2	1P+1L	L	z
F7PBLPMS	Probability and Mathematical Statistics <i>Marek Piorecký, Filip Černý Filip Černý Marek Piorecký (Gar.)</i>	KZ	4	1P+2C	Z	z
F7PBLPPO	First Aid <i>Pavel Böhm Pavel Böhm Pavel Böhm (Gar.)</i>	KZ	2	1P+1C	L	z
F7PBLZLZ	Exam Prep for working with Laboratory Animals <i>Milada Šírová Milada Šírová (Gar.)</i>	ZK	2	1P	Z	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
F7PBLSL	Forensic Medicine <i>Miloš Sokol Miloš Sokol Miloš Sokol (Gar.)</i>	KZ	2	1P	Z	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
F7PBLVMOVZ	Investigation Methods in Public Health Protection <i>Magdalena Wantochová Magdalena Wantochová Věra Adámková (Gar.)</i>	Z,ZK	5	5P+15L	L	z
F7PBLZACH	Fundamentals of Analytical Chemistry <i>Martina Turchichová, Danuše Andrisová Martina Turchichová (Gar.)</i>	Z,ZK	4	2P+2L	L	z
F7PBLZF	Basics of Pharmacology and Radiopharmacology <i>Jana Hudzietzová, Eva Jandová Jana Hudzietzová Jana Hudzietzová (Gar.)</i>	ZK	2	2P	Z	z
F7PBLZHE	Basics of Hygiene and Epidemiology <i>Emil Pavlík Emil Pavlík Emil Pavlík (Gar.)</i>	KZ	2	2P	L	z
F7PBLZII	Fundamentals of Immunology and Immunochemistry <i>Tatána Jarošíková, Romana Šírová Tatána Jarošíková Tatána Jarošíková (Gar.)</i>	Z,ZK	5	2P+2L	Z	z

F7PBLZLT	Basics of Laboratory Techniques <i>Daniela Obítková Daniela Obítková Daniela Obítková (Gar.)</i>	Z	1	2L	L	z
F7PBLOBC	Fundamentals of General Biology and Cytology <i>Tatána Jarošíková Tatána Jarošíková Tatána Jarošíková (Gar.)</i>	ZK	3	2P	Z	z
F7PBLZPA	Basics of Pathology <i>Miloš Sokol Ivan Dylevský Ivan Dylevský (Gar.)</i>	ZK	2	2P	Z	z
F7PBLZRF	Fundamentals of Radiobiology and Photobiology <i>Jana Hudzietzová, Leoš Navrátil, Jaroslav Průcha Jana Hudzietzová</i>	Z,ZK	1	1P+1L	L	z
F7PBLZTXL	Basics of Toxicology <i>Daniela Obítková, Zdeněk Hon Daniela Obítková Zdeněk Hon (Gar.)</i>	Z,ZK	3	1P+1S	Z	z
F7PBLZVZ	Basics of Public Healthcare and Legislation in Healthcare <i>Jan Bříza Jan Bříza Jan Bříza (Gar.)</i>	KZ	1	2P	L	z
F7PBLZBF	Medical Biophysics <i>Jana Hudzietzová, Jozef Rosina Jozef Rosina Jozef Rosina (Gar.)</i>	Z,ZK	3	1P+1C	Z	z
F7PBLZPK	Medical Psychology and Communication <i>Monika Donevová, Dana Rebeka Ralbovská Monika Donevová Dana Rebeka Ralbovská (Gar.)</i>	Z	2	2P+1S	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

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

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
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
F7PBL LPG	Laboratory Practice - Genetics and Molecular Biology	Z	4
F7PBLLPHT	Laboratory Practice - Hematology and Transfusion	Z	4
F7PBL LPR	Laboratory practice-Hematology and Transfusions, Histology, Biochemistry, Microbiology, Immunology	Z	9
F7PBL LPI	Laboratory Practice - Immunology	Z	4
F7PBL LPM	Laboratory Practice - Microbiology	Z	2
F7PBL L ZP	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
F7PBL OBM	Collection of Biological Material	Z	1
F7PBL OPL	Laboratory Organization and Operation	Z	2
F7PBLPMS	Probability and Mathematical Statistics	KZ	4
F7PBL PPO	First Aid	KZ	2
F7PBLZLZ	Exam Prep for working with Laboratory Animals	ZK	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
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
F7PBLIBC	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
F7PBLZVZ	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 (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
F7PBLOATP	Professional English Terminology (Advanced) <i>Eva Motyčková Eva Motyčková Eva Motyčková (Gar.)</i>	Z	3	2S	Z	s
F7PBLOATZ	Professional English Terminology (Beginners) <i>Eva Motyčková Eva Motyčková Eva Motyčková (Gar.)</i>	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

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
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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