

# Recomended pass through the study plan

## Name of the pass: Assistive Technologies 18/19, 19/20, 20/21, 21/22, 22/23, 23/24, 24/25

Faculty/Institute/Others:

Department:

Pass through the study plan: Assistive Technologies

Branch of study guaranteed by the department: Welcome page

Guarantor of the study branch:

Program of study: Biomedical and Clinical Informatics

Type of study: Follow-up master 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 specializace.

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 <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
F7PMIAS1	<b>Signal Analysis I.</b> Jan Hejda, Michal Huptych, Václav Gerla, Jan Kauler Jan Kauler Václav Gerla (Gar.)	Z,ZK	4	2P+2C	Z	z
17BOZP	<b>Occupational Safety and Health, Fire Protection and First Aid</b> Petr Kudrna Petr Kudrna Petr Kudrna (Gar.)	Z	0	1P	Z	z
F7PMIBST	<b>Biostatistics</b> Vojt ch Kamenský, Aleš Tichopád Vojt ch Kamenský Aleš Tichopád (Gar.)	Z,ZK	4	2P+2C	Z	z
F7PMILEG	<b>Legislation and Safety of Biomedical Software and Data</b> Dagmar Brechlerová, Lenka Lhotská Dagmar Brechlerová Dagmar Brechlerová (Gar.)	ZK	2	2P	Z	z
F7PMIOOP	<b>Object-Oriented Programming</b> Radim Krupi ka, Bohuslav Dvorský, Tomáš Kraj a Radim Krupi ka Radim Krupi ka (Gar.)	Z,ZK	3	1P+2C	Z	z
F7PMIPAZ	<b>Advanced Algorithms</b> Jan Broulík, Pavel Smr ka Pavel Smr ka Pavel Smr ka (Gar.)	Z,ZK	5	2P+2C	Z	z
F7PMIPSLK-A	<b>Psychology and Communication</b>	ZK	2	2P	Z	z
F7PMIRPJ1	<b>Year Project I.</b> Václav Gerla, Aleš Tichopád, Radim Krupi ka, Pavel Smr ka, Ond ej Klempí , Hana Kalábová, Christiane Malá, Tomáš Veselý, Karel Hána, ..... Radim Krupi ka Radim Krupi ka (Gar.)	KZ	8	2S	Z	z
F7PMISKJ	<b>Scripting Languages</b> Ond ej Klempí Radim Krupi ka Radim Krupi ka (Gar.)	KZ	2	2C	Z	z

Number of semester: 2

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
F7PMIARVD	<b>Analysis and Recognition of Multidimensional Data</b> Olga Št pánková Olga Št pánková Olga Št pánková (Gar.)	Z,ZK	4	2P+2C	L	z
F7PMIAS2	<b>Signal Analysis II.</b> Jan Hejda, Michal Huptych, Václav Gerla, Kamila Lepková Jan Hejda	Z,ZK	4	2P+2C	L	z
F7PMIBAST-A	<b>Safety in Assistive Technologies</b>	Z,ZK	2	1P+1C	L	z
F7PMIBSB	<b>Biological Signals and Biometrics</b> Jan Kauler, Lenka Lhotská, Vladimír Kraj a Jan Kauler Vladimír Kraj a (Gar.)	Z,ZK	2	1P+1C	L	z
F7PMIDWT	<b>Database and Web Technologies</b> Jan Hejda, Bohuslav Dvorský Bohuslav Dvorský Bohuslav Dvorský (Gar.)	Z,ZK	4	2P+2C	L	z
F7PMIRPJ2	<b>Year Project II.</b> Václav Gerla, Aleš Tichopád, Radim Krupi ka, Pavel Smr ka, Ond ej Klempí , Hana Kalábová, Christiane Malá, Tomáš Veselý, Karel Hána, ..... Zoltán Szabó	KZ	8	2S	L	z

F7PMITAST-A	<b>Creation and Design of Assistive Technologies</b> <i>Karel Hána</i>	Z,ZK	6	2P+2S	L	z
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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) Tutors, authors and guarantors (gar.)	Completion	Credits	Scope	Semester	Role
F7PMIASTK-A	<b>Assistive Technology and Communication</b>	Z,ZK	6	2P+2C	Z	z
F7PMIATSS-A	<b>Assistive Technology and Sensors Systems</b>	Z,ZK	6	2P+2C	Z	z
F7PMIBD	<b>Big Data</b> Lenka Lhotská, Bohuslav Dvorský Lenka Lhotská Lenka Lhotská (Gar.)	Z,ZK	4	2P+2C	Z	z
F7PMIDP1	<b>Diploma Thesis I.</b> Radim Krupík, Jan Broulím, Vladimíra Petráková, Zoltán Szabó, Jaroslav Tintar Radim Krupík, Radim Krupík (Gar.)	KZ	8	2S	Z	z
F7PMINUR	<b>Design of User Interfaces</b> Zdeněk Mikovec Zdeněk Mikovec Zdeněk Mikovec (Gar.)	Z,ZK	2	1P+1C	Z	z
F7PMIUMIT	<b>Artificial Intelligence</b> Olga Štánková, Martin Macaš Martin Macaš Olga Štánková (Gar.)	Z,ZK	4	2P+2C	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) Tutors, authors and guarantors (gar.)	Completion	Credits	Scope	Semester	Role
F7PMIAAL-A	<b>Ambient Assisted Living</b>	Z,ZK	6	2P+2C	L	z
F7PMIDP2	<b>Diploma Thesis II.</b> Radim Krupík, Jan Broulím, Vladimíra Petráková, Zoltán Szabó, Jaroslav Tintar Zoltán Szabó Zoltán Szabó (Gar.)	Z	14	2S	L	z
F7PMIMAAT-A	<b>Mobile Application in Assistive Technologies</b>	KZ	5	1P+2C	L	z
F7PMIRAST	<b>Robotics and Assistive Technology</b> Jan Kauler, Václav Hlaváček Jan Kauler	Z,ZK	5	2P+2C	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
F7PMIAAL-A	Ambient Assisted Living	Z,ZK	6
F7PMIARVD	Analysis and Recognition of Multidimensional Data	Z,ZK	4
F7PMIAS1	Signal Analysis I.	Z,ZK	4
F7PMIAS2	Signal Analysis II.	Z,ZK	4
F7PMIASTK-A	Assistive Technology and Communication	Z,ZK	6
F7PMIATSS-A	Assistive Technology and Sensors Systems	Z,ZK	6
F7PMIBAST-A	Safety in Assistive Technologies	Z,ZK	2
F7PMIBD	Big Data	Z,ZK	4
F7PMIBSB	Biological Signals and Biometrics	Z,ZK	2
F7PMIBST	Biostatistics	Z,ZK	4
F7PMIDP1	Diploma Thesis I.	KZ	8
F7PMIDP2	Diploma Thesis II.	Z	14
F7PMIDWT	Database and Web Technologies	Z,ZK	4
F7PMILEG	Legislation and Safety of Biomedical Software and Data	ZK	2
F7PMIMAAT-A	Mobile Application in Assistive Technologies	KZ	5
F7PMINUR	Design of User Interfaces	Z,ZK	2
F7PMIOOP	Object-Oriented Programming	Z,ZK	3

F7PMIPAZ	Advanced Algorithms	Z,ZK	5
F7PMIPSLK-A	Psychology and Communication	ZK	2
F7PMIRAST	Robotics and Assistive Technology	Z,ZK	5
F7PMIRPJ1	Year Project I.	KZ	8
F7PMIRPJ2	Year Project II.	KZ	8
F7PMISKJ	Scripting Languages	KZ	2
F7PMITAST-A	Creation and Design of Assistive Technologies	Z,ZK	6
F7PMIUMIT	Artificial Intelligence	Z,ZK	4

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

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