

**mINF - Computer Science - (Single degree study, master II. deg., full time form)**

**Akademický rok:** 2023/2024

**Študijný odbor:** 18. - Computer Science  
**Garant:** prof. RNDr. Rastislav Kráľovič, PhD.

**2INF-A: Obligatory Subjects**

| Study section / Compulsory courses                                                                                                           |   |                                                                                                                                                     |     |    |     |
|----------------------------------------------------------------------------------------------------------------------------------------------|---|-----------------------------------------------------------------------------------------------------------------------------------------------------|-----|----|-----|
| 2-INF-920/00                                                                                                                                 | P | <a href="#">Diploma Thesis Seminar (1)</a> - <i><a href="#">Branislav Rován</a>, <a href="#">Martin Škoviera</a>, <a href="#">Martin Stanek</a></i> | 1/W | 2S | 2kr |
| 2-INF-166/15                                                                                                                                 | P | <a href="#">MSc Project</a> - <i><a href="#">Rastislav Kráľovič</a>, <a href="#">Dušan Bernát</a></i>                                               | 1/S | 2S | 6kr |
| 2-INF-923/22                                                                                                                                 | P | <a href="#">Diploma Thesis Seminar (2)</a> - <i><a href="#">Martin Škoviera</a>, <a href="#">Martin Stanek</a></i>                                  | 1/S | 2S | 2kr |
| 2-INF-921/22                                                                                                                                 | P | <a href="#">Diploma Thesis Seminar (3)</a> - <i><a href="#">Martin Škoviera</a>, <a href="#">Martin Stanek</a></i>                                  | 2/W | 2S | 2kr |
| 2-INF-922/22                                                                                                                                 | P | <a href="#">Diploma Thesis Seminar (4)</a> - <i><a href="#">Martin Škoviera</a>, <a href="#">Martin Stanek</a></i>                                  | 2/S | 2S | 2kr |
| 2-INF-106/22                                                                                                                                 | P | <a href="#">Informatics and Society</a> - <i><a href="#">Branislav Rován</a>, <a href="#">Ľubor Illek</a></i>                                       | 2/S | 2L | 2kr |
| Predmet 2-INF-923 Diplomový seminár (2) je povinný iba pre študentov, ktorí začali magisterské štúdium v školskom roku 2020/21 alebo neskôr. |   |                                                                                                                                                     |     |    |     |

**2INF-B: Obligatory-Optional Subjects**

| Study section / Compulsory elective courses<br>minimálne 70 kreditov |   |                                                                                                                 |     |    |     |
|----------------------------------------------------------------------|---|-----------------------------------------------------------------------------------------------------------------|-----|----|-----|
| 2-INF-123/15                                                         | P | <a href="#">Formal Semantics and Theory of Correctness</a> - <i><a href="#">Igor Prívara</a></i>                | 1/W | 3L | 5kr |
| 2-INF-179/15                                                         | P | <a href="#">Concurrent and Distributed Programming and Systems (1)</a> - <i><a href="#">Tomáš Plachetka</a></i> | 1/W | 4C | 6kr |
| 2-INF-178/15                                                         | P | <a href="#">Cryptology (1)</a> - <i><a href="#">Martin Stanek</a></i>                                           | 1/W | 4L | 6kr |

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|--------------|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|----------|-----|
| 1-MAT-210/22 | P  | <a href="#">Mathematical Analysis (3)</a> - <a href="#">Zbyněk Kubáček</a> , <a href="#">František Jaroš</a> , <a href="#">Kristína Rostás</a><br>Prerekvizity: (1-MAT-150/00 and (1-MMN-160/22 or 1-MAT-160/15)) or 1-MMN-150/15 or 1-INF-150/22 or 1-INF-150/00 | 1/W    | 4L + 2P  | 8kr |
| 1-BIN-301/15 | P  | <a href="#">Methods in Bioinformatics</a> - <a href="#">Bronislava Brejová</a> , <a href="#">Tomáš Vinař</a> , <a href="#">Askar Gafurov</a>                                                                                                                      | 1/W    | 2L + 2P  | 6kr |
| 1-DAV-201/20 | P  | <a href="#">Fundamentals of Probability and Statistics</a> - <a href="#">Radoslav Harman</a> , <a href="#">Pál Somogyi</a> , <a href="#">Askar Gafurov</a> , <a href="#">Iryna Zabaikina</a> , <a href="#">Erika Lettrichová</a> , <a href="#">Lenka Filová</a>   | 1/W    | 3L + 2P  | 6kr |
| 2-INF-150/15 | P  | <a href="#">Machine Learning</a> - <a href="#">Vladimír Boža</a> , <a href="#">Marek Šuppa</a> , <a href="#">Tomáš Vinař</a>                                                                                                                                      | 1/W    | 4L       | 6kr |
| 2-INF-174/15 | P  | <a href="#">Graph Theory</a> - <a href="#">Edita Mačajová</a>                                                                                                                                                                                                     | 1/W    | 3L + 1P  | 6kr |
| 2-INF-176/15 | P  | <a href="#">Unix for System Administrators</a> - <a href="#">Jaroslav Janáček</a> , <a href="#">Dušan Bernát</a> , <a href="#">Tomáš Plachetka</a>                                                                                                                | 1/W    | 2L + 2P  | 6kr |
| 2-INF-237/00 | P  | <a href="#">Selected Topics in Data Structures</a> - <a href="#">Jakub Kováč</a> , <a href="#">Bronislava Brejová</a>                                                                                                                                             | 1/W    | 4L       | 6kr |
| 2-INF-189/22 | P  | <a href="#">Non-Linear Programming</a> - <a href="#">Mária Trnovská</a>                                                                                                                                                                                           | 1/W    | 2L       | 3kr |
| 2-INF-191/22 | P  | <a href="#">Time Series Analysis</a> - <a href="#">Beáta Stehlíková</a>                                                                                                                                                                                           | 1/W    | 2L       | 3kr |
| 2-PMS-115/10 | P  | <a href="#">Multivariate Statistical Analysis</a> - <a href="#">Lenka Filová</a>                                                                                                                                                                                  | 1/W    | 2L + 2P  | 5kr |
| 2-INF-275/18 | P! | <a href="#">Unstructured Talks on Structures: Chapters in Mathematics for Computer Scientists (1)</a> - <a href="#">Peter Kostolányi</a> , <a href="#">Edita Mačajová</a>                                                                                         | 1, 2/W | 4L       | 6kr |
| 2-INF-122/00 | P  | <a href="#">Theory of Parallel Computations</a> - <a href="#">Branislav Rován</a> , <a href="#">Dana Pardubská</a> , <a href="#">Peter Kostolányi</a>                                                                                                             | 1, 2/W | 4L       | 6kr |
| 2-INF-267/15 | P! | <a href="#">Advanced Efficient Algorithms</a> - <a href="#">František Kardoš</a> , <a href="#">Rastislav Kráľovič</a>                                                                                                                                             | 1, 2/W | 3L       | 4kr |
| 2-AIN-137/15 | P  | <a href="#">Artificial Intelligence</a> - <a href="#">Mária Markošová</a>                                                                                                                                                                                         | 1/S    | 2L + 2P  | 6kr |
| 2-INF-182/22 | P  | <a href="#">Algebra (3)</a> - <a href="#">Martin Sleziak</a> , <a href="#">Jaroslav Guričan</a>                                                                                                                                                                   | 1/S    | 2L + 2P  | 5kr |
| 2-INF-500/11 | P  | <a href="#">Databases</a> - <a href="#">Tomáš Plachetka</a> , <a href="#">Ján Mazák</a>                                                                                                                                                                           | 1/S    | 3L + 1LP | 6kr |

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|--------------|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|---------|-----|
| 2-INF-231/00 | P  | <a href="#">Efficient Parallel Algorithms</a> - <a href="#">Rastislav Kráľovič</a>                                                                                        | 1/S    | 4L      | 6kr |
| 2-INF-186/15 | P  | <a href="#">Formal Languages and Automata (2)</a> - <a href="#">Branislav Rován</a> , <a href="#">Šimon Sádovský</a>                                                      | 1/S    | 3L + 2P | 6kr |
| 2-INF-114/00 | P! | <a href="#">Mathematical Logic</a> - <a href="#">Eduard Toman</a> , <a href="#">Robert Lukoťka</a> , <a href="#">Ján Mazák</a>                                            | 1/S    | 4L      | 6kr |
| 2-INF-133/00 | P! | <a href="#">Probabilistic Methods</a> - <a href="#">Eduard Toman</a> , <a href="#">Robert Lukoťka</a>                                                                     | 1/S    | 4L      | 6kr |
| 2-INF-184/15 | P  | <a href="#">Programming Languages</a> - <a href="#">Richard Ostertág</a> , <a href="#">Bronislava Brejová</a>                                                             | 1/S    | 2L + 2P | 5kr |
| 2-INF-145/15 | P  | <a href="#">Creating Internet Applications</a> - <a href="#">Richard Ostertág</a> , <a href="#">Martin Stanek</a>                                                         | 1/S    | 2L + 2P | 6kr |
| 2-INF-187/15 | P  | <a href="#">Introduction to Theory of Programming</a> - <a href="#">Igor Prívara</a> , <a href="#">Rastislav Kráľovič</a>                                                 | 1/S    | 4C      | 4kr |
| 2-INF-420/18 | P! | <a href="#">Combinatorial Analysis (1)</a> - <a href="#">Daniel Olejár</a> , <a href="#">Martin Stanek</a> , <a href="#">Ján Mazák</a>                                    | 1/S    | 4C      | 6kr |
| 1-DAV-202/20 | P  | <a href="#">Data Management</a> - <a href="#">Bronislava Brejová</a> , <a href="#">Tomáš Vinař</a> , <a href="#">Vladimír Boža</a>                                        | 1/S    | 1L + 2P | 5kr |
| 2-PMS-116/19 | P  | <a href="#">Cluster analysis and data classification</a> - <a href="#">Radoslav Harman</a> , <a href="#">Samuel Rosa</a>                                                  | 1/S    | 2L + 2P | 5kr |
| 2-EFM-117/12 | P  | <a href="#">Convex Optimisation</a> - <a href="#">Mária Trnovská</a> , <a href="#">Jakub Hrdina</a>                                                                       | 1/S    | 2L      | 3kr |
| 2-PMS-142/22 | P  | <a href="#">Data Dimensionality Reduction</a> - <a href="#">Samuel Rosa</a>                                                                                               | 1/S    | 2L + 1P | 4kr |
| 2-INF-226/22 | P  | <a href="#">Principles of Software Design (3)</a> - <a href="#">Robert Lukoťka</a>                                                                                        | 1/S    | 3L + 1P | 6kr |
| 2-INF-156/00 | P  | <a href="#">Selected Topics in Theory of Languages</a> - <a href="#">Branislav Rován</a> , <a href="#">Dana Pardubská</a> , <a href="#">Peter Kostolányi</a>              | 1, 2/S | 4L      | 6kr |
| 2-INF-276/18 | P! | <a href="#">Unstructured Talks on Structures: Chapters in Mathematics for Computer Scientists (2)</a> - <a href="#">Peter Kostolányi</a> , <a href="#">Edita Mačajová</a> | 1, 2/S | 4L      | 6kr |
| 2-INF-221/15 | P  | <a href="#">Approximation of Optimisation Problems</a> - <a href="#">Rastislav Kráľovič</a>                                                                               | 2/W    | 4C      | 6kr |
| 2-INF-155/00 | P! | <a href="#">Combinatorial Structures</a> - <a href="#">Martin Škoviera</a>                                                                                                | 2/W    | 4L      | 6kr |
| 2-INF-144/15 | P  | <a href="#">Compilers</a> - <a href="#">Richard Ostertág</a> , <a href="#">Jana Kostičová</a> , <a href="#">Bronislava Brejová</a>                                        | 2/W    | 3L + 1P | 6kr |
| 2-INF-183/15 | P  | <a href="#">Computer Networks (2)</a> - <a href="#">Jaroslav Janáček</a> , <a href="#">Daniel Olejár</a>                                                                  | 2/W    | 2L + 1P | 4kr |
| 2-INF-223/15 | P! | <a href="#">IT Security Management</a> - <a href="#">Daniel Olejár</a>                                                                                                    | 2/W    | 4L      | 6kr |

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| 2-INF-224/15 | P  | <a href="#">Theory of Information and Theory of Coding.(1)</a> - <a href="#">Daniel Olejár</a>                                                                                   | 2/W | 2L      | 4kr |
| 2-PMS-123/10 | P  | <a href="#">Stochastic Simulation Methods</a> - <a href="#">Pavol Bokes</a>                                                                                                      | 2/W | 2L      | 3kr |
| 2-INF-262/15 | P  | <a href="#">IT Infrastructure Security</a> - <a href="#">Martin Stanek</a> , <a href="#">Jaroslav Janáček</a> , <a href="#">Richard Ostertág</a> , <a href="#">Michal Rjaško</a> | 2/S | 2L      | 4kr |
| 2-INF-127/00 | P  | <a href="#">Formal Specifications</a> - <a href="#">Rastislav Kráľovič</a> , <a href="#">Igor Prívara</a>                                                                        | 2/S | 4L      | 6kr |
| 2-INF-180/15 | P  | <a href="#">Concurrent and Distributed Programming and Systems (2)</a> - <a href="#">Tomáš Plachetka</a>                                                                         | 2/S | 4C      | 6kr |
| 2-INF-235/15 | P! | <a href="#">Cryptology(2)</a> - <a href="#">Martin Stanek</a>                                                                                                                    | 2/S | 2C      | 4kr |
| 2-INF-126/00 | P  | <a href="#">Models of Concurrent Systems</a> - <a href="#">Damas Gruska</a>                                                                                                      | 2/S | 3L + 1P | 6kr |
| 2-AIN-132/15 | P  | <a href="#">Neural Networks</a> - <a href="#">Igor Farkaš</a>                                                                                                                    | 2/S | 2L + 2P | 6kr |
| 2-INF-225/15 | P  | <a href="#">Theory of Information and Theory of Coding.(2)</a> - <a href="#">Daniel Olejár</a><br>Prerekvizity: 2-INF-224/15                                                     | 2/S | 2L      | 4kr |
| 2-INF-121/15 | P  | <a href="#">Computability Theory</a> - <a href="#">Dana Pardubská</a>                                                                                                            | 2/S | 4L      | 6kr |
| 2-INF-113/00 | P  | <a href="#">Combinatorial Analysis (2)</a> - <a href="#">Daniel Olejár</a>                                                                                                       | 2/S | 4L      | 6kr |
| 2-INF-269/15 | P! | <a href="#">Genomics</a> - <a href="#">Jozef Nosek</a> , <a href="#">Tomáš Vlnař</a> , <a href="#">Bronislava Brejová</a>                                                        | 2/S | 2L + 1P | 4kr |
| 2-INF-135/15 | P  | <a href="#">Randomized Algorithms</a> - <a href="#">Dana Pardubská</a>                                                                                                           | 2/S | 4C      | 6kr |
| 2-INF-188/22 | P  | <a href="#">Current Approaches in Machine Learning</a> - <a href="#">Vladimír Boža</a>                                                                                           | 2/S | 4C      | 6kr |

Študentom, ktorí štúdium začali v školskom roku 2021/22 alebo skôr sa do tohto bloku započítavajú aj predmety 2-INF-175 Pravdepodobnosť a štatistika, 2-INF-185 Integrácia dátových zdrojov a 2-INF-222 Objektová analýza a modelovanie.

## 2INF-C: Electives

| Study section / Elective courses |   |                                                                                      |     |    |     |
|----------------------------------|---|--------------------------------------------------------------------------------------|-----|----|-----|
| 2-INF-190/22                     | ! | <a href="#">Practicum in Non-Linear Programming</a> - <a href="#">Mária Trnovská</a> | 1/W | 2P | 2kr |

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| 2-INF-192/22 | ! | <a href="#">Practicum in Time Series</a> - <a href="#">Radoslav Harman</a><br>Prerekvizity: 2-INF-191/22                                                                                     | 1/W    | 1P         | 1kr |
| 2-MXX-131/21 | ! | <a href="#">International Team-based Research Project</a> - <a href="#">Zuzana Kubincová</a> , <a href="#">Martin Homola</a>                                                                 | 1, 2/W | 3C + 30sIW | 5kr |
| 2-INF-130/00 | ! | <a href="#">Service Oriented Architectures - Principles and Technologies</a> - <i>Josef Withalm</i> , <a href="#">Pavol Mederly</a>                                                          | 1, 2/W | 2L         | 4kr |
| 2-AIN-254/15 |   | <a href="#">Fuzzy Inference and Expert Systems</a> - <a href="#">Dušan Guller</a>                                                                                                            | 1, 2/W | 4C         | 6kr |
| 2-INF-173/13 |   | <a href="#">Quantum Information Processing</a> - <a href="#">Martin Plesch</a>                                                                                                               | 1, 2/W | 2L         | 3kr |
| 2-AIN-206/15 |   | <a href="#">Physical-based Animations and Mathematical Modeling</a> - <a href="#">Roman Ďurikovič</a>                                                                                        | 1, 2/W | 2L + 2P    | 6kr |
| 2-AIN-505/10 |   | <a href="#">Seminar in Bioinformatics (1)</a> - <a href="#">Tomáš Vinař</a> , <a href="#">Bronislava Brejová</a>                                                                             | 1, 2/W | 2S         | 2kr |
| 2-AIN-251/10 |   | <a href="#">Seminar in Bioinformatics (3)</a> - <a href="#">Tomáš Vinař</a> , <a href="#">Bronislava Brejová</a>                                                                             | 1, 2/W | 2S         | 2kr |
| 1-MAT-551/22 |   | <a href="#">Geometry for Graphics (1)</a> - <a href="#">Ludovít Balko</a> , <a href="#">Pavel Chalmovianský</a>                                                                              | 1, 2/W | 4C         | 5kr |
| 2-MPG-101/00 |   | <a href="#">Computer Graphics (1)</a> - <a href="#">Martina Bátorová</a> , <a href="#">Róbert Bohdal</a>                                                                                     | 1, 2/W | 2L + 2P    | 5kr |
| 2-AIN-112/15 |   | <a href="#">Advanced Image Processing</a> - <a href="#">Zuzana Černeková</a> , <a href="#">Dana Škorvánková</a>                                                                              | 1, 2/W | 2L + 2P    | 6kr |
| 2-MPG-203/00 |   | <a href="#">Computational Geometry</a> - <a href="#">Pavel Chalmovianský</a>                                                                                                                 | 1, 2/W | 4C         | 5kr |
| 2-INF-261/11 | ! | <a href="#">IT Based Supply Networks</a> - <i>Josef Withalm</i>                                                                                                                              | 1, 2/W | 3C         | 4kr |
| 1-AIN-168/22 |   | <a href="#">Web Applications in Praxis</a> - <a href="#">Martin Homola</a> , <a href="#">Martin Krupa</a> , <i>Robert Mráz</i> , <a href="#">Matúš Tuna</a> , <a href="#">Endre Hamerlik</a> | 1, 2/W | 2L + 2P    | 4kr |
| 2-INF-271/18 | ! | <a href="#">Selected Technologies for Data Analysis</a> - <a href="#">András Varga</a>                                                                                                       | 1, 2/W | 2C         | 3kr |
| 2-INF-277/18 |   | <a href="#">Complex Analysis for Computer Scientists</a> - <a href="#">Peter Kostolányi</a>                                                                                                  | 1, 2/W | 3L + 2P    | 6kr |
| 2-INF-263/15 |   | <a href="#">Computer Game Development and Design</a> - <a href="#">Michal Ferko</a>                                                                                                          | 1, 2/W | 4C         | 4kr |

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|--------------|---|--------------------------------------------------------------------------------------------------------------------------------------------------------|--------|---------|-----|
| 1-MMN-255/00 |   | <a href="#">Linear Programming</a> - <i>Vladimír Toma, Patrik Mihala</i><br>Prerekvizity: 1-INF-156/10 or 1-MMN-160/00 or 1-MMN-160/22                 | 1, 2/W | 2L + 2P | 5kr |
| 2-INF-163/00 |   | <a href="#">Kolmogorov Complexity</a> - <i>Dana Pardubská</i>                                                                                          | 1, 2/W | 3L      | 4kr |
| 2-INF-279/21 |   | <a href="#">Hyperprogramming</a> - <i>Radovan Brečka</i>                                                                                               | 1, 2/W | 2C      | 3kr |
| 1-INF-315/14 |   | <a href="#">Principles of Reverse Engineering</a> - <i>Róbert Lipovský</i>                                                                             | 1, 2/W | 2L + 2P | 6kr |
| 1-EFM-340/13 |   | <a href="#">Computer Statistics</a> - <i>Ján Somorčík</i><br>Prerekvizity: (1-MAT-282/00 or PriF-N-bBXX-082/22 or 1-DAV-201/20)                        | 1, 2/W | 2L      | 3kr |
| 2-AIN-226/22 |   | <a href="#">Deep Learning for Computer Vision</a> - <i>Zuzana Černeková, Viktor Kocur</i>                                                              | 1, 2/W | 2L + 2P | 6kr |
| 2-AIN-108/15 |   | <a href="#">Computational Logic</a> - <i>Martin Homola, Júlia Pukancová</i>                                                                            | 1, 2/W | 2L + 2P | 6kr |
| 2-INF-132/15 |   | <a href="#">Introduction to Distributed Algorithms</a> - <i>Rastislav Kráľovič</i>                                                                     | 1, 2/S | 4L      | 4kr |
| 1-MMN-261/10 |   | <a href="#">Ordinary Differential Equations</a> - <i>František Jaroš</i><br>Prerekvizity: 1-MMN-150/15 or 1-MAT-150/00 or 1-INF-150/00 or 1-INF-150/22 | 1, 2/S | 2L + 2P | 5kr |
| 1-AIN-470/22 |   | <a href="#">Specification and Verification of Programs</a> - <i>Damas Gruska, Ján Komara, Ján Kľuka</i>                                                | 1, 2/S | 2L + 2P | 6kr |
| 2-AIN-266/22 |   | <a href="#">Declarative Programming</a> - <i>Ján Komara</i>                                                                                            | 1, 2/S | 2L + 2P | 5kr |
| 2-INF-164/00 |   | <a href="#">IT Quality Management</a> - <i>Josef Withalm</i>                                                                                           | 1, 2/S | 2L      | 4kr |
| 2-INF-165/00 | ! | <a href="#">Management Software Projects</a> - <i>Peter Neurath</i>                                                                                    | 1, 2/S | 2L      | 4kr |
| 2-INF-266/15 |   | <a href="#">Advanced Linux Administration</a> - <i>Jaroslav Janáček</i>                                                                                | 1, 2/S | 3C      | 4kr |
| 2-AIN-109/22 |   | <a href="#">Programming of Parallel and Distributed Systems</a> - <i>Damas Gruska</i>                                                                  | 1, 2/S | 3L + 1P | 5kr |
| 2-AIN-506/10 |   | <a href="#">Seminar in Bioinformatics (2)</a> - <i>Bronislava Brejová, Tomáš Vinař</i>                                                                 | 1, 2/S | 2S      | 2kr |
| 2-AIN-252/10 |   | <a href="#">Seminar in Bioinformatics (4)</a> - <i>Bronislava Brejová, Tomáš Vinař</i>                                                                 | 1, 2/S | 2S      | 2kr |



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| 2-MPG-102/00 |   | <a href="#">Computer Graphics (2)</a> - <a href="#">Róbert Bohdal</a><br>Prerekvizity: 2-MPG-101/00                                                                                                       | 1, 2/S | 2L + 2P | 5kr |
| 2-AIN-116/14 |   | <a href="#">Functional Programming</a> - <a href="#">Peter Borovanský</a> , <a href="#">Dušan Guller</a>                                                                                                  | 1, 2/S | 2L + 2P | 6kr |
| 2-AIN-286/22 |   | <a href="#">Ontologies and Knowledge Engineering</a> - <a href="#">Martin Homola</a>                                                                                                                      | 1, 2/S | 2L + 2P | 5kr |
| 2-INF-273/16 | ! | <a href="#">Selected Topics in Information Security</a> - <a href="#">Lukáš Hlavička</a> , <a href="#">Jaroslav Janáček</a>                                                                               | 1, 2/S | 27sC    | 2kr |
| 2-AIN-285/17 | ! | <a href="#">Symbolic Programming and LISP</a> - <a href="#">Ján Komara</a>                                                                                                                                | 1, 2/S | 3C      | 4kr |
| 2-IKV-189/16 |   | <a href="#">Natural Language Processing</a> - <a href="#">Marek Šuppa</a>                                                                                                                                 | 1, 2/S | 2L + 2P | 6kr |
| 2-INF-274/18 | ! | <a href="#">Advanced Complexity Theory</a> - <a href="#">Jakub Kováč</a>                                                                                                                                  | 1, 2/S | 4L      | 4kr |
| 2-INF-278/18 |   | <a href="#">Analytic and Enumerative Combinatorics</a> - <a href="#">Peter Kostolányi</a>                                                                                                                 | 1, 2/S | 4L      | 6kr |
| 1-MAT-240/00 |   | <a href="#">Numerical Mathematics (1)</a> - <a href="#">Jela Babušíková</a> , <a href="#">Patrik Mihala</a><br>Prerekvizity: 1-MAT-150/00 or 1-MMN-150/15 or 1-INF-150/00 or 1-INF-150/22 or 1-DAV-102/20 | 1, 2/S | 2L + 2P | 5kr |
| 2-MAT-216/12 |   | <a href="#">Field Theory (2)</a> - <a href="#">Martin Mačaj</a>                                                                                                                                           | 1, 2/S | 2L      | 3kr |
| 2-INF-114/23 |   | <a href="#">Mathematical Logic</a> - <a href="#">Robert Lukočka</a> , <a href="#">Ján Mazák</a>                                                                                                           | 1, 2/S | 2L      | 4kr |

## 2INF-SA: State Examination Subjects

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|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------|---|--|------|
| State exams / Compulsory courses<br>Unless determined otherwise by the programe guarantor, a student is permitted to take the state examination only if all previous study requirements have been met. |  |                                                                              |   |  |      |
| 2-INF-991/15                                                                                                                                                                                           |  | <a href="#">Thesis Defence</a><br>Prerekvizity: 2-INF-922/22 or 2-INF-922/00 | / |  | 10kr |

## 2AIN-SB: SB2

State exams / Compulsory elective courses

Unless determined otherwise by the programme guarantor, a student is permitted to take the state examination only if all previous study requirements have been met.

absolvovanie jedného variantu kolokviálnej skúšky

|              |  |                                                                                                                                                                                                                             |   |  |     |
|--------------|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|--|-----|
| 2-INF-952/15 |  | <a href="#">Computer Security</a><br>Prerekvizity: 2-INF-262/15 and 2-INF-178/15 and 2-INF-223/15 and 2-INF-183/15 and 2-INF-176/15 and 2-INF-224/15 and 2-INF-225/15                                                       | / |  | 4kr |
| 2-INF-953/22 |  | <a href="#">Bioinformatics and Machine Learning</a><br>Prerekvizity: (1-DAV-202/20 or 2-INF-185/15) and 1-BIN-301/15 and 2-AIN-132/15 and 2-INF-221/15 and 2-INF-237/00 and (1-DAV-201/20 or 2-INF-175/18) and 2-INF-150/15 | / |  | 4kr |
| 2-INF-954/15 |  | <a href="#">Programming and Information Systems</a><br>Prerekvizity: 2-INF-500/11 and 2-INF-144/15 and (2-INF-222/00 or 2-INF-226/22) and 2-INF-183/15 and 2-INF-145/15 and 2-INF-184/15                                    | / |  | 4kr |
| 2-INF-955/15 |  | <a href="#">Theoretical Computer Science</a><br>Prerekvizity: 2-INF-186/15 and 2-INF-155/00 and 2-INF-221/15 and 2-INF-237/00 and 2-INF-135/15 and 2-INF-174/15 and 2-INF-121/15 and (1-DAV-201/20 or 2-INF-175/18)         | / |  | 4kr |
| 2-INF-956/22 |  | <a href="#">Data Science</a><br>Prerekvizity: 2-INF-150/15 and 2-PMS-115/10 and 2-INF-191/22 and 2-AIN-132/15 and 2-PMS-116/19 and 2-INF-237/00 and 2-INF-188/22 and 2-PMS-142/22                                           | / |  | 4kr |