| COURSES | SUGGESTED SEMESTER (H/WEEK) | | | | | | CREDIT | EXAM | RESPONSIBLE INSTRUCTOR |
|---|---|---|---|---|---|---|---|---|---|
| **OBLIGATORY COURSES** | **1** | **2** | **3** | **4** | **5** | **6** | | | |
| Mathematical Logic lecture | 2 | | | | | | 3 | exam | Sándor Jenei, Prof. |
| Linear Algebra lecture | 2 | | | | | | 3 | exam | András B. Frigyik, PhD |
| Linear Algebra discussion | 2 | | | | | | 3 | mark | András B. Frigyik, PhD |
| Introduction to Analysis 1 lecture | 3 | | | | | | 5 | exam | Alice Fialowski, Prof. |
| Introduction to Analysis 1 discussion | 2 | | | | | | 3 | mark | Alice Fialowski, Prof. |
| Introduction to Geometry lecture | 2 | | | | | | 3 | exam | János Ruff, PhD |
| Introduction to Geometry discussion | 2 | | | | | | 3 | mark | János Ruff, PhD |
| Fundamentals of Physics lecture | 2 | | | | | | 3 | exam | János Erostyák, PhD |
| Introduction to Algebra and Number Theory 1 lecture | | 2 | | | | | 3 | exam | László Tóth, PhD |
| Introduction to Algebra and Number Theory 1 discussion | | 2 | | | | | 3 | mark | László Tóth, PhD |
| Introduction to Analysis 2 lecture | | 3 | | | | | 5 | exam | Alice Fialowski, Prof. |
| Introduction to Analysis 2 discussion | | 2 | | | | | 3 | mark | Alice Fialowski, Prof. |
| Geometry 1 lecture | | 2 | | | | | 3 | exam | Péter Csorba, PhD |
| Geometry 1 discussion | | 2 | | | | | 3 | mark | Péter Csorba, PhD |
| Introduction to Algebra and Number Theory 2 lecture | | | 2 | | | | 3 | exam | Sándor Szabó, Prof. |
| Introduction to Algebra and Number Theory 2 discussion | | | 2 | | | | 3 | mark | Sándor Szabó, Prof |
| Analysis 1 lecture | | | 2 | | | | 3 | exam | Margit Pap, PhD |
| Analysis 1 discussion | | | 2 | | | | 3 | mark | Margit Pap, PhD |
| Geometry 2 lecture | | | 2 | | | | 3 | exam | János Ruff, PhD |
| Geometry 2 discussion | | | 2 | | | | 3 | mark | János Ruff, PhD |
| Algebra and Number Theory 1 lecture | | | | 2 | | | 3 | exam | Sándor Szabó, Prof |
| Algebra and Number Theory 1 discussion | | | | 2 | | | 3 | mark | Sándor Szabó, Prof |
| Analysis 2 lecture | | | | 2 | | | 3 | exam | Margit Pap, PhD |
| Analysis 2 discussion | | | | 2 | | | 3 | mark | Margit Pap, PhD |
| Algebra and Number Theory 2 lecture | | | | | 2 | | 3 | exam | László Tóth, PhD |
| Algebra and Number Theory 2 discussion | | | | | 1 | | 2 | mark | László Tóth, PhD |
| Geometry 3 lecture | | | | 2 | | | 3 | exam | János Ruff, PhD |
| Probability Theory and Mathematical Statistics 1 lecture | | | | | 2 | | 3 | exam | András B. Frigyik, PhD |
| Probability Theory and Mathematical Statistics 1 discussion | | | | | 2 | | 3 | mark | András B. Frigyik, PhD |
| Probability Theory and Mathematical Statistics 2 lecture | | | | | | 2 | 3 | exam | András B. Frigyik, PhD |
| Combinatorics lecture | | 2 | | | | | 3 | exam | Péter Csorba, PhD |
| Combinatorics discussion | | 2 | | | | | 3 | mark | Péter Csorba, PhD |
| Elementary Mathematics 1 discussion | 2 | | | | | | 3 | mark | Ilona Simon, PhD |
| Elementary Mathematics 2 discussion | | 2 | | | | | 3 | mark | Ilona Simon, PhD |
| Elementary Mathematics 3 discussion | | | 2 | | | | 3 | mark | Tímea Eisner, PhD |
| Elementary Mathematics 4 discussion | | | | 2 | | | 3 | mark | Tímea Eisner, PhD |
| Foundations of Mathematics | | | | | | 2 | 3 | exam | László Tóth, PhD |

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| Complex Analysis lecture | | | | | | 2 | 3 | exam | Margit Pap, PhD |
| Complex Analysis discussion | | | | | | 2 | 3 | mark | Margit Pap, PhD |
| Real Analysis lecture | | | | | 2 | | 3 | exam | Alice Fialowski, Prof. |
| Real Analysis discussion | | | | | 2 | | 3 | mark | Alice Fialowski, Prof. |
| Computer Algebra lecture | | | | | 2 | | 3 | exam | Sándor Szabó, Prof. |
| Introduction to Computer Science discussion | 4 | | | | | | 7 | mark | Sándor Jenei, Prof. |
| Programming 1 discussion | | | 2 | | | | 3 | mark | Gimesi László, PhD |
| Programming 2 discussion | | | | 2 | | | 3 | mark | Gimesi László, PhD |
| Operation Research lecture | | | | | 2 | | 3 | exam | Tímea Eisner, PhD |
| Operation Research discussion | | | | | 2 | | 3 | mark | Tímea Eisner, PhD |
| Group Theory lecture | | | | | | 2 | 3 | exam | János Ruff, PhD |
| Group Theory discussion | | | | | | 2 | 3 | mark | János Ruff, PhD |
| Multiplicative Number Theory lecture | | | | | | 2 | 3 | exam | László Tóth, PhD |
| Multiplicative Number Theory discussion | | | | | | 2 | 3 | mark | László Tóth, PhD |
| | | | | | | | **160** | | |
| Elective subjects | | | | | | | **10** | | |
| Thesis | | | | | | | **10** | | |
| | | | | | | | **180** | | |
| **Elective courses** | | | | | | | | | |
| Introduction to Computational Commutative Algebra lecture | | | | | 2 | | 3 | exam | Sándor Szabó, Prof. |
| Discrete Optimization lecture | | | | | | 2 | 3 | exam | Sándor Szabó, Prof. |
| Differential equations | | | | | | 2 | 3 | exam | Tímea Eisner, PhD |
| Fourier Series lecture | | | | | | 2 | 3 | mark | Tímea Eisner, PhD |
| Numerical analysis lecture | | | | | | 2 | 3 | exam | Margit Pap, PhD |
| Numerical analysis discussion | | | | | | 2 | 3 | mark | Margit Pap, PhD |
| Formal Languages and Automaton | | | | | 4 | | 7 | mark | Sándor Jenei, PhD |
| An Insight into Hungary lecture | 2 | | | | | | 4 | mark | Trócsányi András, PhD |