

TITLE	Course type/exam type	Suggested semester (hour/week)						ECTS	Prerequisite	Instructor-in-charge
		1	2	3	4	5	6			
Obligatory courses		1	2	3	4	5	6			
Programming I.	pract/mark	4						5		Dr. Gimesi László
Analysis 1 lec.	lect/oral	3						3		Dr. Pap Margit
Analysis 1 sem.	pract/mark	2						2		Dr. Pap Margit
Algebra 1 lec.	lect/oral	2						3		Dr. Tóth László
Algebra 1 sem.	pract/mark	2						2		Dr. Tóth László
Introduction to the Mathematics	pract/mark	3						3		Dr. Király Balázs
Number Theory lec.	lect/oral	2						2		Dr. Tóth László
Number Theory sem.	pract/mark	2						2		Dr. Tóth László
Finite mathematics 1 lec.	lect/oral	2						2		Dr. Tóth László
Finite mathematics 1 sem.	pract/mark	2						2		Dr. Tóth László
Logic	pract/mark	2						2		Dr. Eisner Tímea
Algorithms and Data Structures	lect/oral		4					5		Dr. Kilián Imre
Analysis 2 lec.	lect/oral		3					3	Analysis 1 lec., sem.	Dr. Pap Margit
Analysis 2 sem.	pract/mark		2					2	Analysis 1 lec., sem.	Dr. Pap Margit
Algebra 2 lec.	lect/oral		2					2	Algebra 1 lec., sem.	Dr. Tóth László
Algebra 2 sem.	pract/mark		2					2	Algebra 1 lec., sem.	Dr. Tóth László
Geometry 1 lec.	lect/oral		2					2		Dr. Ruff János
Geometry 1 sem.	pract/mark		2					2		Dr. Ruff János
Complex series lec.	lect/oral		2					3	Analysis 1 lec., sem.	Dr. Pap Margit
Complex series sem.	pract/mark		1					2	Analysis 1 lec., sem.	Dr. Pap Margit
Formal Languages and Automaton	lect/oral			4				5		Dr. Jenei Sándor
Analysis in Several Variables lec.	lect/oral			3				3	Analysis 2 lec., sem.	Dr. Pap Margit
Analysis in Several Variables sem.	pract/mark			2				2	Analysis 2 lec., sem.	Dr. Pap Margit
Analysis 3 lec.	lect/oral			2				2	Analysis 2 lec., sem.	Dr. Pap Margit
Analysis 3 sem.	pract/mark			2				2	Analysis 2 lec., sem.	Dr. Pap Margit
Geometry 2 lec.	lect/oral			2				2	Geometry 1 lec., sem.	Dr. Ruff János
Geometry 2 sem.	pract/mark			2				2	Geometry 1 lec., sem.	Dr. Ruff János
Finite Mathematics 2 lec.	lect/oral			2				2	Finite mathematics 1 lec., sem.	Dr. Tóth László
Finite Mathematics 2 sem.	pract/mark			1				2	Finite mathematics 1 lec., sem.	Dr. Tóth László
Abstract Algebra lec.	lect/oral			2				2	Algebra 2 lec., sem.	Dr. Tóth László
Abstract Algebra sem.	pract/mark			2				2	Algebra 2 lec., sem.	Dr. Tóth László

Probability Theory and Statistics lec.	lect/oral				3			<b>3</b>	Finite mathematics 1 lec., sem. AND Analísis 3 lect., sem.	Dr. Frigyik András
Probability Theory and Statistics sem.	pract/mark				3			<b>3</b>	Finite mathematics 1 lec., sem. AND Analísis 3 lect., sem.	Dr. Frigyik András
Theory of Representations lec.	lect/oral				2			<b>3</b>	Abstract Algebra lec., sem.	Dr. Pap Margit
Theory of Representations sem.	pract/mark				1			<b>2</b>	Abstract Algebra lec., sem.	Dr. Pap Margit
Differential Equations lec.	lect/oral				2			<b>3</b>	Analysis 3 lec., sem.	Dr. Eisner Tímea
Differential Equations sem.	pract/mark				2			<b>2</b>	Analysis 3 lec., sem.	Dr. Eisner Tímea
Complex functions lec.	lect/oral				2			<b>2</b>	Analysis in Several Variables lec., sem.	Dr. Pap Margit
Complex functions sem.	pract/mark				2			<b>2</b>	Analysis in Several Variables lec., sem.	Dr. Pap Margit
Numerical Methods I lec.	lect/oral				2			<b>3</b>	Analysis 3 lec., sem.	Dr. Király Balázs
Numerical Methods I sem.	pract/mark				2			<b>2</b>	Analysis 3 lec., sem.	Dr. Király Balázs
Linear Algebra lect.	lect/oral				2			<b>3</b>	Algebra 2 lec., sem.	Dr. Simon Ilona
Linear Algebra sem.	pract/mark				1			<b>2</b>	Algebra 2 lec., sem.	Dr. Simon Ilona
Topology lec.	lect/oral					2		<b>3</b>	Analysis 2 lec., sem.	Dr. Ruff János
Topology sem.	pract/mark					1		<b>2</b>	Analysis 2 lec., sem.	Dr. Ruff János
Numerical Methods II lec.	lect/oral					2		<b>3</b>	Numerical Methods I lec., sem.	Dr. Király Balázs
Numerical Methods II sem.	pract/mark					2		<b>2</b>	Numerical Methods I lec., sem.	Dr. Király Balázs
Operations Research lec.	lect/oral					2		<b>3</b>	Algebra 2 lec., sem.	Dr. Király Balázs
Operations Research sem.	pract/mark					2		<b>2</b>	Algebra 2 lec., sem.	Dr. Király Balázs
Mathematical Software Packages	pract/mark					2		<b>2</b>		Dr. Király Balázs
Measures and Integrals lec.	lect/oral					3		<b>5</b>	Analysis in Several Variables lec., sem.	Dr. Eisner Tímea
Statistics lec.	lect/oral					2		<b>3</b>	Probability Theory and Statistics lec., sem.	Dr. Frigyik András
Fourier Series	lect/oral						3	<b>5</b>	Analysis 3 lec., sem.	Dr. Eisner Tímea
Stochastic Processes lec.	lect/oral						2	<b>3</b>	Probability Theory and Statistics lec., sem.	Dr. Frigyik András
Stochastic Processes sem.	pract/mark						2	<b>3</b>	Probability Theory and Statistics lec., sem.	Dr. Frigyik András
Artificial Intelligence lec.	lect/oral						2	<b>2</b>		Dr. Szabó Sándor
Geometry os Curves and Surfaces sem.	pract/mark						2	<b>2</b>	Geometry 2 lec., sem.	Dr. Ruff János

Foundations of Mathematics	lect/oral						2	2	Abstract Algebra lec., sem.	Dr. Tóth László
Thesis I.	pract/mark					X		4		Dr. Tóth László
Thesis II.	pract/mark						X	6		Dr. Tóth László
Facultative courses (completing min. 12 credits)								12		
Programming II.	pract/mark		4					5	Programming I.	Dr. Gimesi László
Introduction to LATEX typesetting	pract/mark				2			3		Dr. Mechler Mátyás
Finite Geometry	lect/oral					2		3		Dr. Ruff János
Problem Solving Seminar	pract/mark					2		2		Dr. Ruff János
History of Mathematics	lect/oral						2	2		Dr. Tóth László
English mathematical terminology	lect/oral				2			2		Dr. Frigyk András
Coding Theory	lect+pract/mark				2+1			5	Algebra 2 lec., sem.	Dr. Jenei Sándor
Selected Topics of Geometry lec.	lect/oral					1		2	Geometry os Curves and Surfaces sem.	Dr. Ruff János
Selected Topics of Geometry sem.	pract/mark					1		2	Geometry os Curves and Surfaces sem.	Dr. Ruff János
Multiplicative Number Theory	lect/oral				2			2	Number Theory lec., sem.	Dr. Tóth László
Basics of physics	lect/oral		2					2		Dr. Erostyák János
Elective courses (completing min. 9 credits)								9		