

Module Handbook (<https://modhb.uni-kl.de/>)

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## Course-Pool MAT-40-2V-KPOOL-4

Elective Courses Algebra, Geometry and Computeralgebra (2V, B.Sc.) ([3.0 - 4.5] CP)

### Basedata

CP	[3.0 - 4.5] CP
Level	[4] Bachelor (Specialization)
Area of study	[MAT-AGCA] Algebra, Geometry and Computer Algebra
Lifecycle-State	[NORM] Active

### Courses in the Pool

Number	Name	Type/SWS	Semester orientation	CP
<i>Area of study Algebra, Geometry and Computer Algebra</i>				
<b>MAT-40-19-K-6</b> (/mhb/courses/MAT-40-19-K-6/)	Elliptic Functions and Elliptic Curves	(2V)	irreg.	3.0 CP
<b>MAT-40-20-K-6</b> (/mhb/courses/MAT-40-20-K-6/)	Multilinear Algebra	(2V)	irreg.	3.0 CP
<b>MAT-40-24-K-4</b> (/mhb/courses/MAT-40-24-K-4/)	p-adic Numbers	(2V+1U)	irreg. SuSe	4.5 CP
<b>MAT-40-25-K-4</b> (/mhb/courses/MAT-40-25-K-4/)	Character Theory of Finite Groups	(2V+1U)	irreg. SuSe	4.5 CP
<b>MAT-40-26-K-6</b> (/mhb/courses/MAT-40-26-K-6/)	Riemann Surfaces	(2V)	irreg.	3.0 CP
<b>MAT-40-27-K-6</b> (/mhb/courses/MAT-40-27-K-6/)	Elliptic Curves in Positive Characteristics	(2V)	irreg.	3.0 CP
<b>MAT-40-28-K-4</b> (/mhb/courses/MAT-40-28-K-4/)	Plane Algebraic Curves	(2V+1U)	SuSe	4.5 CP
<b>MAT-40-29-K-4</b> (/mhb/courses/MAT-40-29-K-4/)	Quadratic Number Fields	(2V+1U)	irreg. SuSe	4.5 CP
<b>MAT-49-11-K-6</b> (/mhb/courses/MAT-49-11-K-6/)	Categories	(2V)	irreg.	3.0 CP
<b>MAT-49-15-K-6</b> (/mhb/courses/MAT-49-15-K-6/)	Introduction to Tensor Categories	(2V)	irreg.	3.0 CP

## References to Course Pool [MAT-40-2V-KPOOL-4]

Module	Name	Context	CP
[MAT-25-20-M-4 (/mhb/modules/MAT-25-20-M-4/)]	Elective Module Specialisation Mathematics	WP: Obligation to choose in Obligatory-Modulteil	3.0