

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

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Course MAT-42-SEM-K-7

Seminar (Algebraic Geometry) (2S, 3.0 LP)

Course Type

SWS	Type	Course Form	CP (Effort)	Presence-Time	Self-Study
2	S	Seminar	3.0 CP	28 h	62 h
(2S)			3.0 CP	28 h	62 h

Basedata

SWS	2S
CP, Effort	3.0 CP = 90 h
Position of the semester	1 Sem. irreg.
Level	[7] Master (Advanced)
Language	[DE/EN] German or English as required
Lecturers	Gathmann, Andreas, Prof. Dr. (PROF DEPT: MAT) (/staff/14/) Horn, Max, Prof. Dr. (PROF DEPT: MAT) (/staff/650/) Schulze, Mathias, Prof. Dr. (PROF DEPT: MAT) (/staff/33/) + further Lecturers of the department Mathematics
Area of study	[MAT-AGCA] Algebra, Geometry and Computer Algebra
Additional informations	Informations about the course (https://www.mathematik.uni-kl.de/agag/lehre/)
Lifecycle-State	[NORM] Active

Possible Study achievement

- Verification of study performance: **proof of successful participation in the seminar**
- Examination number (Study achievement): 87120 ("Seminar (Algebraic Geometry)")

Further examination number: 87121 (if the course is selected twice)

- Details of the examination (type, duration, criteria) will be announced at the beginning of the course.

The required achievement usually consists of a combination of an oral presentation (duration 60 - 90 minutes) and a written elaboration.

Contents

Advanced topic on Master's level in the field of Algebraic Geometry.

Literature

will be announced together with the announcement of the seminar.

Registration

The registration for the seminar and preliminary discussions typically take place towards the end of the lecture period of the preceding semester.

Requirements for attendance (informal)

Depending on the choice of topic, different courses from the Bachelor's programme or the Master's programme in Mathematics are required. The requirements will be announced together with the announcement of the seminar.

Modules:

- [MAT-10-1-M-2] Fundamentals of Mathematics (M, 28.0 LP) (/mhb/modules/MAT-10-1-M-2/)
- [MAT-40-11-M-4] Commutative Algebra (M, 9.0 LP) (/mhb/modules/MAT-40-11-M-4/)

Courses

- [MAT-12-11-K-2] Algebraic Structures (2V+2U, 5.5 LP) (/mhb/courses/MAT-12-11-K-2/)

Requirements for attendance (formal)

None

References to Course [MAT-42-SEM-K-7]

Course-Pool	Name
[MAT-SEM-KPOOL-7 (/mhb/coursepools/MAT-SEM-KPOOL-7/)]	Seminars Mathematics (Master)