

MATH-311 **Algebra IV - rings and modules**

Patakfalvi Zsolt

Cursus	Sem.	Type
Mathematics	BA5	Opt.

Language of teaching	English
Credits	5
Session	Winter
Semester	Fall
Exam	Written
Workload	150h
Weeks	14
Hours	4 weekly
Courses	2 weekly
Exercises	2 weekly
Number of positions	

Summary

Ring and module theory with a major emphasis on commutative algebra and a minor emphasis on homological algebra.

Learning Prerequisites**Required courses**

- Linear algebra I
- Linear algebra II
- Algebra II - groups
- Algebra III - rings and fields

Teaching methods

ex chatedra course with exercise session

Assessment methods

Written final exam.

Resources**Notes/Handbook**

There will be pdf notes provided for the course.

Moodle Link

- <https://go.epfl.ch/MATH-311>