

MATH-206	Analysis IV				
	Ruf Matthias				
Cursus		Sem.	Type	Language of	English
Physics		BA4	Obl.	teaching	Liigiisii
				Credits	5
				Session	Summer
				Semester	Spring
				Exam	Written
				Workload	150h
				Weeks	14
				Hours	5 weekly
				Courses	3 weekly
				Exercises	2 weekly
				Number of positions	

Summary

The goal of this course is to provide an introduction to the concepts and methods of complex analysis in one variable, Lebesgue integration, analysis in infinite dimensional vector spaces and operator theory

Content

- Basic theory of complex differentiable functions in one variable
- Lebesgue integral and Fourier transformation
- Elements of analysis in infinite dimensional vector spaces
- Introduction to the theory of linear operators

Learning Outcomes

By the end of the course, the student must be able to:

- Understand the concepts and methods taught in the course and during the exercise classes
- Apply those concepts and methods to analyze and solve problems related to the contents of the course

Assessment methods

Written final exam

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