



Universität Hamburg

DER FORSCHUNG | DER LEHRE | DER BILDUNG

CHAMPP

CENTER IN HAMBURG FOR
ASTRO-, MATHEMATICAL AND
PARTICLE PHYSICS

LECTURE COURSE IN THE QUANTUM UNIVERSE RESEARCH SCHOOL

Summer Term 2024

Algebraic Topology

Birgit Richter

Course Description:

This course will be an introduction to algebraic topology covering the topics

- Simplicial, singular and cellular homology
- Cohomology and the cup product
- Manifolds and Poincaré duality

Prerequisites:

Knowledge in point-set topology and basic algebra.

Date and Place:	Tue, 14:15–15:45, Hörsaal H4, Geomatikum Fri, 10:15–11:45, Hörsaal H2, Geomatikum
Problem Classes:	Fri, 14:15–15:45, SemRm 434, Geomatikum
Starting on:	2 April 2024
