

ALGEBRAIC TOPOLOGY II / MATH 538

METU MATHEMATICS DEPARTMENT

Instructor: Yıldıray Ozan

Office: M-217 (Math Building)

Textbook: Algebraic Topology by Allen Hatcher, Cambridge University Press. Our library has a copy of this book. Moreover, the book is available on line at Allen Hatcher's homepage (<http://www.math.cornell.edu/~hatcher/>). You may also use the books by G. Bredon (Geometry and Topology), Greenberg and Harper, Massey and the book by Spanier as reference books.

Content: I am planning to cover Chapter 3 and 4 of Hatcher's book: Cohomology Groups, Cup product, Poincaré Duality, Homotopy Groups

Grading: Grading will be based on homework assignments, midterm exams and a final exam.

Tentative Schedule: Tuesday and Thursday: 13:40-15:30