# Math 504 Algebra II

# Spring 2019

Web Page: https://blog.metu.edu.tr/benli/teaching/math-504-algebra-ii/

Instructor: Gökhan Benli, Office M227, email: benli (at) metu.edu.tr

Office Hours: TBA

Schedule: TBA

Course Description: Modules, homomorphisms, exact sequences, projective and injective modules, free modules, vector spaces, tensor products, modules over a PID. Fields, field extensions, the fundamental theorem of Galois theory, splitting fields, algebraic closure and normality, the Galois group of a polynomial, finite fields.

Suggested Books: Algebra, by Thomas W. Hungerford, Abstract Algebra by David S. Dummit and Richard M. Foote.

Exams: Midterm: TBA Final: TBA

Homework: There will be weekly homework.

Grading policy: Overall Grade = (M+F)\*0.3+HW\*0.4

Information for Students with Disabilities: To obtain disability related academic adjustments and/or auxiliary aids, students with disabilities must contact the course instructor and the ODTÜ Disability Support Office as soon as possible. If you need any accommodation for this course because of your disabling condition, please contact me. For detailed information, please visit the website of Disability Support Office: <http://engelsiz.metu.edu.tr/>

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