

2018-2019 Spring Semester
MATH 126 Basic Mathematics II
Tentative Syllabus

Textbook: M. Dabbagh, A. Doğanaksoy, Calculus, for Students of Social Sciences.

Grading:

Midterm1: 25% ((April 06, 2019 Saturday at 13.30))

Midterm2: 25% (May 04, 2019 Saturday at 13.30)

Final Exam: 40% (May 23, 2019 Thursday at 17.00)

Recitation: 10%

Course Syllabus:

1. Analytic Geometry in \mathbf{R}^2 , \mathbf{R}^3

Coordinate Systems, Curves, Surfaces, Vectors, Planes, Straight Lines.

2. Functions of several variables

Limits of Single valued Functions Continuity of Single valued Functions.

3. Differentiation

The Derivative, Partial Derivatives, Related Rates.

4. Applications of Differentiation

Mean Value Theorem, Concavity, Infinite Limits and Limits at Infinity, L'Hopital's Rule.

5. Integration