

MATH 280

Introduction to Real Analysis

Instructor: Ibraheem Aloyan

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Office Hours: 8-9, 10-12 Sun, Tue, Thu

Text Books:

- 1- Elements of Real Analysis, Mohammed Al-Gwaiz
- 2- Introduction to real Analysis, Bartle and Sherbert

Course Topics:

- 1- Real numbers (completeness axiom)
- 2- Sequences and Series
- 3- Limits of functions
- 4- Continuity
- 5- Differentiation
- 6- Riemann integral
- 7- Sequences and series of functions

Grading:

First midterm **25** [Thu (13 / 2 / 2025) (6th week)]

Second midterm **25** [Thu (10 / 4 / 2025) (11th week)]

Quizzes **10**

Final **40**