

Isfahan University of Technology
Department of Mathematical Sciences
Elementary Functional Analysis
Fall 2014

Instructor: S. M. Manjeagni

Contact Information:

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3. Course Website: <https://manjgani.iut.ac.ir/Elementary Functional Analysis>

Office Hours: Monday and Wednesday from 1:30 pm to 3:30 am or by appointment.

Lectures: Saturday from 8:00am to 10:00am and Monday from 15:00 pm to 17:00 pm.
Department of Mathematical sciences room 2.

Text book: : An Introduction To Functional Analysis, Vitali Milman

Class Description: Linear spaces, normed space, Hilbert space, dual space, Bounded linear operators, Spectrl Theory, Self-adjoint compact operators, and function of operators. Open mapping Theorem, Closed graph Theorem, Han Banach Theorem, and external point.

Prerequisites: Analysis I and Linear Algrbra.

Marks: Final marks will be weighted as follows:

1. Assignments: 10%.
2. Midterm test: 40%.
3. Final exam: 50% .

Important Dates:

1. Midterm Test: Monday 19 ABAN 1393
2. Final Exam: Monday 22 DAY, 1393

Good Luck