

TIME 12:30 - 1:45 pm

PLACE SMLC 352

Credit Hours: 3**Instructor:** Professor Jehanzeb Chaudhry**Office:** SMLC 310**Office Hours:** Monday 1 - 2:30 pm and Wednesday 8:30 - 10 am

Or by appointment or walk-in.

E-mail: jehanzeb@unm.edu**Webpage:** <http://math.unm.edu/~jehanzeb/math583fa23.html>

Description: Approximation in Hilbert spaces, basic operator theory, integral equations, distribution theory, Green's functions, differential operators, boundary value problems and nonlinear problems.

Text: Ivar Stakgold, Boundary Value Problems of Mathematical Physics, SIAM Classics in Applied Mathematics, 29, 1987.

Grading: Grading will be based on homeworks.

Letter grades will be assigned according to the following scheme: A, 90 or above, B, 80 or above, C, 70 or above, F below 70. However, the instructor reserves the right to "curve" grades to offset unforeseen circumstances.

Attendance Policy: Regular and punctual attendance is required. UNM Pathfinder policies apply, which in part means instructor drops based on non-attendance are possible. This policy applies regardless of the grading option you have chosen.

Accommodations and Title IX

I can make appropriate accommodations that will support you in this class by collaborating with you and the Accessibility Resource Center (<https://arc.unm.edu/>). It is important that you take the initiative to inform me of your accommodations needs, as I am not legally permitted to inquire. In accordance with University Policy 2310 and the Americans with Disabilities Act (ADA), academic accommodations may be made for any student who notifies the instructor of the need for an accommodation. Students who may require assistance in emergency evacuations should contact the instructor as to the most appropriate procedures to follow.

In an effort to meet obligations under Title IX, UNM faculty, Teaching Assistants, and Graduate Assistants are considered "responsible employees." This designation requires that any report of gender discrimination which includes sexual harassment, sexual misconduct and sexual violence made to a faculty member, TA, or GA must be reported to the Title IX Coordinator at the Office of Equal Opportunity (oeo.unm.edu). For more information on the campus policy regarding sexual misconduct, see: <https://policy.unm.edu/university-policies/2000/2740.html>

Credit-hour statement

This is a three credit-hour course. Class meets for two 75-minute sessions of direct instruction for fifteen weeks during the Fall 2023 semester. Please plan for a minimum of six hours of out-of-class work (or homework, study, assignment completion, and class preparation) each week.

Academic Integrity: The University of New Mexico believes that academic honesty is a foundation principle for personal and academic development. All University policies regarding academic honesty apply to this course. Academic dishonesty includes, but is not limited to, cheating or copying, plagiarism (claiming credit for the words or works of another from any type of source such as print, Internet or electronic database, or failing to cite the source), fabricating information or citations, facilitating acts of academic dishonesty by others, having unauthorized possession of examinations, submitting work of another person or work previously used without informing the instructor, or tampering with the academic work of other students. The University's full statement on academic honesty and the consequences for failure to comply is available in the college catalog and in the Pathfinder.

Cell Phones and Technology: As a matter of courtesy, please turn off cell phones, pagers, and other communication and entertainment devices prior to the beginning of class. Notify me in advance if you are monitoring an emergency, for which cell phone ringers should be switched to vibrate.