Math 761 Section 1001: Methods in Applied Math I
Fall Semester 2017

Time: MW 2:30-3:45 AB 110.
by J. David Logan.
Instructor: Aleksey (Alex) Telyakovskiy
e-mail: alekseyt@unr.edu
Web page: [http://www.unr.edu/homepage/alekseyt](http://www.unr.edu/homepage/alekseyt)
WebCampus: [https://wc1.unr.edu](https://wc1.unr.edu)
Phone: 784-1364
Office: DMS 322
Office Hours: MW 1:30-2:20pm or by appointment.

**Topics:** Topics will be taken from Logan’s book.

**Student Learning Outcomes:**
Upon completion of this course:

- Students will be able to demonstrate understanding of finite dimensional vector spaces and function spaces through proofs and examples.
- Students will be able to determine analytical solutions for certain classes of linear integral equations, and apply Greens function methodologies to solve the problems formulated in the area of partial differential equations.
- Students will be able to set up, analyze and solve problems arising in various application domains using methodologies they will study in this course.

**Grading Policies:**

**HW: 34%**
Homework will be assigned and selected problems graded. No late homework (if you need extension please speak with me). If problems involves numerical calculations, please comment on the obtained results. You may work in groups of two or three on homework, but everyone should submit a separate paper.

**Exams: 44%**
There will be 2 mid-term exams. Topics and dates for each exam will be announced in class a week advance. Make-ups for exams will be given only in extreme circumstances. Students who were absent with a documented emergency or university-sponsored activity must see the instructor *beforehand* to make arrangements.

Any student requiring accommodations through the DRC must schedule their exams on the same day as in the class exams.

**Final Exam: 22%**
Final exam is a cumulative exam to be given on Wednesday December 20, 12:10-2:10pm.

**Exams:** The (tentative) schedule of the exams is:
- Exam 1: week of September 20
- Exam 2: week of November 1
- Final Exam: Wednesday December 20, 12:10-2:10pm
Later during the semester we will fix the dates for mid-term exams.

**Note:** Please be polite and turn off all the cell phones, music players and pagers before class. They are very distracting for everybody.

**Grading scale:** Grade “C” corresponds to 70%, there will be no “C-” grade. All other pluses/minuses will be used in grade assignment.

**Drop deadline:** The final day to drop classes and receive a “W” is Thursday November 2.

**Technology:** We may use MAPLE/MATLAB to conduct some calculations. Software is available in many UNR computer labs. Also, MATLAB can be accessed through library Citrix server [https://remote.unr.edu/](https://remote.unr.edu/).

**Email communication:** Emails will be answered within 24 hours.

**Support:** If you have any difficulties that are interfering with your work in this class, please see me to discuss them. Also, personal counseling and disability resources are available through the Student Services (Counseling: 784-4648, Disability: 784-6000).

**Disability Statement:** Any student with a disability needing academic adjustments or accommodations is requested to speak with the Disability Resource Center (Thompson Building, Suite 101) as soon as possible to arrange for appropriate accommodations.

**Academic Dishonesty:** “Cheating, plagiarism or otherwise obtaining grades under false pretenses” constitute academic dishonesty according to the code of this university. Academic dishonesty will not be tolerated and penalties can include canceling a student’s enrollment without a grade, giving an F for the course or for the assignment.

**Diversity Statement:** The University of Nevada, Reno is committed to providing a safe learning and work environment for all. If you believe you have experienced discrimination, sexual harassment, sexual assault, domestic/dating violence, or stalking, whether on or off campus, or need information related to immigration concerns, please contact the University’s Equal Opportunity & Title IX Office at 775-784-1547. Resources and interim measures are available to assist you. For more information, please visit: [http://www.unr.edu/equal-opportunity-title-ix](http://www.unr.edu/equal-opportunity-title-ix).

**Surveillance of lectures:** Surreptitious or covert video-taping of class or unauthorized audio recording of class is prohibited by law and by Board of Regents policy. This class may be videotaped or audio recorded only with the written permission of the instructor. In order to accommodate students with disabilities, some students may have been given permission to record class lectures and discussions. Therefore, students should understand that their comments during class may be recorded.

**P.S.** The information listed here is subject to change. If any change takes place it will be announced in class.