Math 2070 WA Applied Analysis II

Instructor Dr. Sergey Ulanov
E-mail: sulanov@lakeheadu.ca

Lectures: MWF, 02:30 pm – 03:30 pm
Room UC-0050
Labs: F, 11:30 am – 12:30 pm
Room: UC 2011

Email Communication: Any time. Don't forget to include the course number, your name, and keywords in the subject line. For example, "Subject: Math 2070, John Smith, linear independence" (otherwise your message will not be opened).

Textbooks: Advanced Engineering Mathematics, 4th Edition, by D. G. Zill, W. S. Wright, Jones & Bartlett Publishers.
Probability and Statistics for Engineers, 8th Edition by R. A. Johnson, Miller & Freund's
or
Introduction to Probability and Statistics, 3^d Canadian Edition by W. Mendenhall, R. J. Beaver, B. M. Beaver, S. E. Ahmed.

Attending lectures and labs is compulsory, because I am going not only to discuss some theoretical statement, but also teach how to solve problems.

Assignments: There will be **four assignments (2- Linear Algebra and 2 - Statistics)**. All assignments, hand written or printed, should have a cover page with information including: course number, assignment number, student's name and student's ID number. **Sloppy writing may face a mark penalty up to 20%.**
The deadline for each assignment will be announced additionally.
There will be an assignment box for the assignments on the second floor of RB.
Late assignments may be accepted with acceptable proof and these assignments must be submitted to me (the instructor) in the class. (Do not put into the mailbox). Each miss assignment will be counted 0.

Midterm test and Final Exam:
The midterm test (Linear Algebra) will be held during the class time on February 25th.
There will be no makeup test for a missed test. If you think your score is not fair, put you complaint in writing on the front page of the test or an assignment and return it to me right after the class. Do not put back into the assignment box and do not make any changes in your papers.
The midterm test is close-book.
Students are allowed to bring up to 3 pages (letter size, both sides) of personal study notes and a nonprogrammable calculator.

The final exam (Statistics) will be written in the scheduled three hours. Further details will be provided closer to exam date.
The final exam is open-book.

Performance Evaluation: Your final grades are calculated from your four assignments (20%), midterm test (30%), and final exam mark (50%).

Tentative Schedule:

Linear Algebra.

Jan. 5 – Jan. 16: Sections 8.1 – 8.3

Jan. 19 – Jan. 23: Sections 8.4 – 8.7

Jan. 26 – Feb. 9: Sections 7.1 – 7.6

Feb. 11 – Feb. 13: Sections 8.8 – 8.9, 8.12

Statistics.

Feb. 23 and Feb. 27: Chapters 1 – 2

March 2 – March 4: Chapter 3

March 6 – March 13: Chapters 4, 5

March 16 – March 18: Chapter 6

March 20 – March 23: Sections 7.1 – 7.2

March 25 – March 30: Sections 7.5 - 7.8, 8.1, 8.2

April 1 – April 6: Sections 8.3 – 8.5