

Math 493 – Senior Seminar I – Fall 2020

Faculty Office Hours:

	Dr. Ordower	Dr. Penn	Dr. Wan
Monday	1:30 - 2:00		11:00 - 12:00
Tuesday	10:30 - 11:00	12:15 - 2:00	
Wednesday	1:30 - 2:00		11:00 - 12:00
Thursday	10:30 - 11:00	12:15 - 2:00	
Friday			11:00 - 12:00
Office hours	476-899-2748	894 0555 7452	628-927-9350
Lecture	844-5697-8256	229 561 1039	628-927-9350

Catalog Description: A survey of major areas of mathematical interest drawing on background established throughout the undergraduate curriculum. Hours credit: 1.5. Prerequisite: MATH 360 and MATH 443 (the course may be taken concurrently with MATH 443).

Textbook: There is no textbook for this course.

Grading: Your grade will be determined according to the following scheme.

Assignments	Student Talk	Advisor Evaluation	Final Exam
25 %	25%	20 %	30%

The GRE pre-test and your LinkedIn page will both count as assignments.

The final exam will cover material from the Faculty Talks.

The advisor evaluation will cover in-class participation and effort and progress in your research.

Electronics Policy: The use of cell phones, tablets and laptops is prohibited during class. An exception for the use of a cell phone may be made by prior arrangement with faculty under special circumstances.

Accommodations Randolph College is committed to providing learning experiences that are accessible for all students, and will make reasonable accommodations for individuals with documented disabilities. If you have a learning difference or a disability mental health, medical, or physical impairment please contact Diane Roy, Coordinator of Access Services, in the Academic Services Center, 4th floor, Lipscomb Library; at (434) 947-8132; or at droy@randolphcollege.edu.

Academic Honesty: The honor code protects our academic community and the value of a degree from Randolph College. An instance of cheating not only reflects the perpetrator's failure to complete work honestly, but also damages the reputation of every other student at the College. Please uphold both sides of dual responsibility. Approaching a classmate about suspicion of cheating is never easy, but it is an essential part of the system. If you keep silence in the knowledge that rules have been broken, you are guilty of an honor code violation.

Mandated Reporting: As an instructor, one of my responsibilities is to help create a safe learning environment on our campus. I also have a mandatory reporting responsibility related to my role as a faculty member. It is my goal that you feel able to share information related to your life experiences in classroom discussions, in your written work, and in our one-on-one meetings. I will seek to keep information you share private to the greatest extent possible. However, I am required to share information regarding sexual misconduct or information about a crime that may have occurred on Randolph's campus with the Colleges Title IX Coordinator, Sharon Saunders. I do this to make sure that you are able to get all the information and support you may need.

Schedule:

Aug	26	The Irrationality of π (MO)
Sept	2	An Everywhere Continuous Nowhere Differentiable Function (JW)
	9	The Internet's Favorite Integration Trick (MP)
	16	GRE Prep and Graduate School (MO)
	23	GRE Prep and rank research advisor choice (JW)
	30	Meet With Your Advisor
Oct	7	Constructability with Straightedge and Compass I (JW)
	14	Constructability with Straightedge and Compass II (JW)
	21	Integer Partitions I (MP)
	28	Integer Partitions II (MP)
Nov	4	Two Theorems about Infinite Sets (MO) **
	11	Meet With Your Advisor
	18	Students Talks

** Your LinkedIn page is due on November 4. Please link by that date with Drs. Ordower, Penn, and Wan.