

**MATH- 41021/51021, Theory of Matrices,
9:15am-10:30am Tuesday and Thursday, room 109 MSB
www.math.kent.edu/~zvavitch/TM_2023.html**

Section Start Date 01/17/23;
Section End Date 05/02/23;
Last Day to Add 01/23/23;
Last Day to Drop 01/30/23;
Last Day to Withdraw 04/03/23;

INSTRUCTOR: Prof. Artem Zvavitch
OFFICE PHONE: (330) -672-3316

OFFICE: 364 MSB
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OFFICE HOURS: 10:45 am- Noon Tuesday and Thursday, but the best is to e-mail me and to make an appointment.

TEXTS: Homework will be posted on the course homepage, thus in general if you attend ALL lectures your lecture notes should be sufficient for you to learn. I will use "Linear Algebra" by Seymour Lipschutz and Marc Lipson as a general plan of our classes.

PREREQUISITES: MATH 21001 Linear Algebra is a prerequisite for this course. Most of the material from this course will be assumed. You may use the textbook to refresh your linear algebra background. Here are the sections that you need to be familiar with 1.1–1.4, 1.6, 1.7, 2.1–2.10, 3.1–3.12, 8.1–8.3, 8.6–8.9.

COURSE PLAN (APPROXIMATE): Chapter 4 Vector Spaces / Chapter 7 Inner Product Spaces, Orthogonality / Chapter 5 Linear Mappings / Chapter 6 Linear Mappings and Matrices / Chapter 9 Eigenvalues, Eigenvectors, Diagonalization / Chapter 10 Canonical Forms

GRADING:	3 exams, 100 points each	= 300
	13 Homework's 20pts each:	= 260
	Final Homework	= 40
	<u>Final exam</u>	<u>= 200</u>
	TOTAL	800 points

Make-up exams are given only under extraordinary circumstances. Please notify me IN ADVANCE, if possible, if an exam is to be missed.

HOMEWORK: Homework is assigned each Thursday and due next Thursday and expected to be done NEATLY IN PENCIL. *Homework assignments will be posted on the course homepage:* www.math.kent.edu/~zvavitch/TM_2023.html

SCALE:	<u>Total Points</u>	<u>Grade</u>
	730 - 800	A
	650 - 730	B
	580 - 650	C
	500 - 580	D
	0 - 500	F

ATTENDANCE POLICY: Regular attendance in class is expected of all students! You MUST submit HW each Thursday (perfectly ok early to my mailbox), you MUST be presented on exams. May I repeat, I strongly suggest you attend the classes!

STUDENTS WITH DISABILITIES: Kent State University is committed to inclusive and accessible educational experiences for all students. University Policy 3342-3-01.3 requires that students with disabilities be provided reasonable accommodations to ensure equal access to course content. Students with disabilities are encouraged to connect with Student Accessibility Services as early as possible to establish accommodations. If you anticipate or experience academic barriers based on a disability (including mental health, chronic medical conditions, or injuries), please let me know immediately.

Student Accessibility Services (SAS) Contact Information:

Location: University Library, Suite 100

Email: sas@kent.edu

Phone: 330-672-3391; VP 330-968-0490

Web: www.kent.edu/sas

ENROLLMENT AND OFFICIAL REGISTRATION: The official registration deadline for this course is 01/23/23. University policy requires all students to be officially registered in each class they are attending. Students who are not officially registered for a course by published deadlines should not be attending classes and will not receive credit or a grade for the course. Each student must confirm enrollment by checking his/her class schedule (using Student Tools in FlashLine) prior to the deadline indicated. Registration errors must be corrected prior to the deadline

ACADEMIC DISHONESTY: University policy 3-01.8 deals with the problem of academic dishonesty, cheating, and plagiarism. None of these will be tolerated in this class. The sanctions provided in this policy will be used to deal with any violations. If you have any questions, please read the policy at

<http://www.kent.edu/policyreg/administrative-policy-regarding-student-cheating-and-plagiarism> and/or ask.