

**MATH-42001 (52001), Introduction to Analysis I,  
2:15pm-3:30pm Wednesday and Friday, room 211 MSB  
[www.math.kent.edu/~zvavitch/Analysis\\_2025.html](http://www.math.kent.edu/~zvavitch/Analysis_2025.html)**

Section Start Date 08/18/25  
Section End Date 12/07/25  
Last Day to Add 08/24/25  
Last Day to Drop 08/31/25  
Last Day to Withdraw 10/26/25  
Census Date 09/01/25

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

**OFFICE:** 364 MSB  
**E-MAIL:** [azvavitc@kent.edu](mailto:azvavitc@kent.edu)

**OFFICE HOURS:** 12:15-2:15 WF, but the best is to e-mail me /call my cell and to make an appointment.

**Prerequisite:** The course requires good knowledge and understanding of Mathematics at Calculus level. More precisely you may have trouble with this class if you have not successfully passed **MATH 22005** or **MATH 32051** with a minimum C grade; and **MATH 31011** with a minimum C grade.

**Core Topics include:** basic structure of the real numbers, Cauchy sequences, convergence, completeness of the real numbers, continuity, differentiation and Riemann integration.

**TEXTS:** Home works 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 "Introduction to Real Analysis", by Robert G. Bartle and Donald R. Sherbert as a general plan of our classes.

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

**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/Analysis\\_2025.html](http://www.math.kent.edu/~zvavitch/Analysis_2025.html)

**SPECIAL NOTE FOR GRADUATE STUDENTS** (taking the class on **52002** level): each homework/exam will contain a problem, which will be extra points for undergraduate students but **MUST** for you.

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

**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](mailto:sas@kent.edu)

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

Web: [www.kent.edu/sas](http://www.kent.edu/sas)

for more information on registration procedures).

**Statement on enrollment/official registration:** The official registration deadline for this course is 08/24/2025. 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

### **Religion Accommodations in compliance with H.B. 353**

*It is required by law that you include a statement explaining this new policy in your syllabus; below is suggested language by the Provost Office in response to House Bill 353, 5/16/2023. The H.B. 353 syllabi language and frequently asked questions and administrative policy regarding accommodations for student religious and spiritual beliefs (3-01.14) can be found on the website of the Office of the Provost*

Endorsed by Faculty Senate on 5/8/23

*The University welcomes individuals from all different faiths, philosophies, religious traditions, and other systems of belief, and supports their respective practices. In compliance with University policy and the Ohio Revised Code, the University permits students to request class absences for up to three (3) days, per term, in order to participate in organized activities conducted under the auspices of a religious denomination, church, or other religious or spiritual organization. Students will not be penalized as a result of any of these excused absences.*

*The request for excusal must be made, in writing, during the first fourteen (14) days of the semester and include the date(s) of each proposed absence or request for alternative religious accommodation. The request must clearly state that the proposed absence is to participate in religious activities. The request must also provide the particular accommodation(s) you desire.*

*You will be notified by me if your request is approved, or, if it is approved with modification. I will work with you in an effort to arrange a mutually agreeable alternative arrangement. For more information regarding this Policy you may contact the Student Ombuds ([ombuds@kent.edu](mailto:ombuds@kent.edu)).*

## Statement on Academic Dishonesty

### Excerpted from the University's Administrative policy and procedures regarding student cheating and plagiarism. Policy #3342-3-07

(A) **Policy statement.** It is the policy of the university that:

(1) Students enrolled in the university, at all its campuses, are to perform their academic work according to standards set by faculty members, departments, schools and colleges of the university; and

(2) Cheating and plagiarism constitute fraudulent misrepresentation for which no credit can be given and for which appropriate sanctions are warranted and will be applied.

(B) Intent and scope of the policy.

(1) In providing this policy, the university affirms that acts of cheating and plagiarism by students constitute a subversion of the goals of the institution, have no place in the university and are serious offenses to academic goals and objectives, as well as to the rights of fellow students.

(2) It is the intent of this policy to provide appropriate sanctions, to provide fair and realistic procedures for imposing those sanctions, to provide safeguards for any student suspected of cheating or plagiarism, and to coordinate the policy with procedures of the code of student conduct, rule 3342-4-15 of the Administrative Code and of this register.

(3) This policy applies to all students of the university, graduate and undergraduate, full or part-time, whose conduct is of such a nature prohibited by the policy. Other offenses of a nonacademic nature are covered by the code of student conduct, rule 3342-4-15 of the Administrative Code and of this register.

(C) Definitions. As used in this rule:

(1) **"Cheat"** means intentionally to misrepresent the source, nature, or other conditions of academic work so as to accrue undeserved credit, or to cooperate with someone else in such misrepresentation. Such misrepresentations may, but need not necessarily, involve the work of others. As defined, cheating includes, but is not limited to:

(a) Obtaining or retaining partial or whole copies of examination, tests or quizzes before these are distributed for student use;

(b) Using notes, textbooks or other information in examinations, tests and quizzes, except as expressly permitted;

(c) Obtaining confidential information about examinations tests or quizzes other than that released by the instructor;

(d) Securing, giving or exchanging information during examinations;

(e) Presenting data or other material gathered by another person or group as one's own;

(f) Falsifying experimental data or information;

(g) Having another person take one's place for any academic performance without the specific knowledge and permission of the instructor;

(h) Cooperating with another to do one or more of the above; and

(i) Using a substantial portion of a piece of work previously submitted for another course or program to meet the requirements of the present course or program without notifying the instructor to whom the work is presented.

(j) Presenting falsified information in order to postpone or avoid examinations, tests, quizzes, or other academic work.

(2) **"Plagiarize"** means to take and present as one's own a material portion of the ideas or words of another or to present as one's own an idea or work derived from an existing source without full and proper credit to the source of the ideas, words, or works. As defined, plagiarize includes, but is not limited to:

(a) The copying of words, sentences and paragraphs directly from the work of another without proper credit;

(b) The copying of illustrations, figures, photographs, drawings, models, or other visual and nonverbal materials, including recordings, of another without proper credit; and

(c) The presentation of work prepared by another in final or draft form as one's own without citing the source, such as the use of purchased research papers.