

# MATH 152

## Spring 2025 Course Policy Sheet

**Instructor:** Dr. Colin Starr                      **Office Hours\*:** M 9:10-10:00  
(Dr. Dania Morales)  
**Office:** Ford 213     $\Theta$  1-2  
**Office Phone:** (503) 370-6419  
**Home Phone:** (503) 585-4088                              Others by appointment or chance  
**e-mail:** cstarr@willamette.edu              **My URL:** <http://www.willamette.edu/~cstarr>

**Required Text:** <https://activecalculus.org/single/frontmatter.html>

**Goals:** This course is about understanding and doing integral calculus. We also have some more specific goals:

1. Justify and explain steps in solving math problems. [Instruments: lectures, worksheets, Skills Opportunities]
2. Describe and understand the different ways to conceptualize an integral (e.g. as a function, as a limit, as an area). [Instruments: lectures, WeBWorK, worksheets, Skills Opportunities]
3. Recognize and implement appropriate integration techniques. [Instruments: lectures, WeBWorK, worksheets, Skills Opportunities]
4. Apply the principles and techniques of integral calculus to calculating areas and volumes and solving physical applications. [Instruments: lectures, WeBWorK, worksheets, Skills Opportunities]
5. Understand and use parametric equations and polar coordinate systems for differential and integral calculus. [Instruments: lectures, WeBWorK, worksheets, Skills Opportunities]

### Math 153

- Have fun doing mathematics.
  - Justify and explain steps in solving math problems.
  - Recognize and implement appropriate convergence tests for sequences and series
  - Determine and use series representations of functions
  - Understand why and how one can approximate functions with appropriate polynomials
  - Understand Fourier series and use them to represent functions.
6. **General Education objective from CLA Catalog:** Students will demonstrate the ability to make judgments and draw appropriate conclusions based on quantitative information. [Instruments: lectures, WeBWorK, worksheets, exams]

**Assessment:** Your grade will be computed as follows:

WebWork	35%
Worksheets	15%
Mastery Skills	50%
<b>Total</b>	<b>100%</b>

Letter grades are assigned on the usual 90-80-70-60 scale. Plus and minus grades are at my discretion but generally correspond to trends in your performance for borderline cases.

As a general rule, you should not expect any “curving.” The grades correspond to a level of achievement, not a ranking in the class. However, if you focus on learning what we study, the grades will take care of themselves. They should be among the least of your worries.

I will not take attendance for a grade, but I will expect you to be here every day. If you must miss, you should let me know in advance.

**Skills Opportunities:** In lieu of traditional exams, we will measure individual skills on an ongoing basis. I will average your top two scores for each skill. You will have multiple opportunities to try each skill during the semester. Attendance and participation for in-class skills opportunities is required. Your work for each problem on mastery skills opportunities will be assessed according to the following rubric.

5	Mastery	You showed a deep level of understanding
4	Proficient	You correctly demonstrated a learning target
3	Mostly Proficient	You demonstrated a learning target
2	Partial Proficiency	You partially demonstrated a learning target
1	Improvement Required	You could do a little
0	No Evidence	You did not do the problem

In order to exceed or meet the learning objective, you must show all your work, and your calculations must be nearly perfect. A solution containing errors pertaining to calculus knowledge will not receive a score of a 4 or 5. The goal of this grading system is to emphasize the importance of learning each topic and the ability to articulate the topics you are learning. We will meet for our last skills opportunity during the scheduled final exam time, Sunday May 2, 2-5pm.

There will be no skills opportunities on Stop Day (April 28th). The Final Skills Opportunity is the only skills opportunity during the final exam period. The Final Skills Opportunity is the last skills opportunity for the semester.

### List of Mastery Skills:

1	Parametric equations	11	Sequence limit w/definition
2	Definition of Integral	12	Sequence limit w/o definition
3	Definite Integral	13	Telescoping or Geometric series
4	Total Change Theorem	14	p-series or nth term test
5	Fundamental Theorem of Calculus	15	Integral test
6	Integration (substitution)	16	Comparison tests (limit and direct)
7	Integration (by parts)	17	Alternating series w/error
8	Integration (trig)	18	Absolute Convergence
9	Integration (improper)	19	Power series (Ratio test)
10	Volume	20	Taylor polynomials and series

**WeBWorK:** This is an on-line homework system. The problems will be very much like those in the text, so the text problems can give you additional practice. Note that WeBWorK is worth over a third of your grade. That means that you are unlikely to pass without doing it! In WeBWorK, you may keep trying problems you miss until you get them right. This means that **everyone** can get 100% on homework, so take advantage of the system by not giving up. At the same time, you should **not** just guess at answers until one works; this is a counterproductive waste of time. If you are struggling, **come see me!** The address for our

WeBWorK site is <https://secure.willamette.edu/webwork2/Math152-CStarr/> and there is a link in Canvas. Please be sure to do more than just the WeBWorK. WeBWorK is the graded portion, but it is not sufficient by itself. WeBWorK assignments will become available at class time on the day they are assigned. They are due at 11:00 PM on the due date, and answers will then be available.

**Please note:** Our class time is very limited; we are only together for three hours each week. That means that you **must** read the text before class; I will assume that you have done so and present my lectures accordingly. If you have not, you will struggle to keep up in class. **You should expect to spend at least three hours outside of class for every hour we have in class.**

**Worksheets:** We will have several worksheets throughout the term. These will give you a chance to collaborate on some calculus problem solving with other members of the class. They are intended as group work, and each group will submit its work as a single file.

**Please note:** Written responses to all questions must be in complete sentences. I expect correct usage of grammar, spelling, and punctuation at all times. I also expect your work to be neatly written.

**Calculators:** There are no required calculators for this course. You may bring a non-graphing scientific calculator to the Skills Opportunities. No graphing calculators will be allowed on the exam (and no cell phones!).

**Special Needs:** If you have special needs (e.g., for a documented disability), it is your responsibility to approach me at least a day in advance of the need for accommodation. To receive accommodation, you must be registered with Disability Services; this office is located in Bishop Health Center in Baxter Hall. (Phone: (503) 370-6471.)

**Cheating:** Cheating will not be tolerated. The minimum penalty for cheating is a 0 on the assignment and a formal notification to the dean. I encourage you to work together on your homework, but your final write-up **must** be your own. **NOTE:** It is your responsibility to avoid even the **appearance** of cheating.

**Classroom Comportment:** We will all make mistakes, and these are an essential part of learning. The classroom environment must be tolerant and welcoming so that everyone feels free to contribute without fear of ridicule or harassment. Treat everyone with respect, and we can all learn from each other.

**You are WELCOME!** My door is usually open. The office hours above are the times I will definitely be in my office (or nearby), but you are welcome to come by at other times as well. Make sure you come see me whenever you have a question.

## General Policies

### Academic Integrity

Students of Willamette University are members of a community that values excellence and integrity in every aspect of life. As such, we expect all community members to live up to the highest standards of personal, ethical, and moral conduct. Students are expected not to engage in any type of academic or intellectually dishonest practice and encouraged to display honesty, trust, fairness, respect, and responsibility in all they do. Plagiarism and cheating are especially offensive to the integrity of courses in which they occur and against the College community as a whole. These acts involve intellectual dishonesty, deception, and fraud, which inhibit the honest exchange of ideas. Plagiarism

and cheating may be grounds for failure in the course and/or dismissal from the College. <http://willamette.edu/cla/catalog/policies/plagiarism-cheating.php>

### **Commitment to Positive Sexual Ethics**

Willamette is a community committed to fostering safe, productive learning environments, and we value ethical sexual behaviors and standards. Title IX and our school policy prohibit discrimination on the basis of sex, which regards sexual misconduct — including discrimination, harassment, domestic and dating violence, sexual assault, and stalking. We understand that sexual violence can undermine students' academic success, and we encourage affected students to talk to someone about their experiences and get the support they need. Please be aware that as a mandatory reporter I am required to report any instances you disclose to Willamette's Title IX Coordinator. If you would rather share information with a confidential employee who does not have this responsibility, please contact our confidential advocate at [confidential-advocate@willamette.edu](mailto:confidential-advocate@willamette.edu). Confidential support also can be found with SARAs and at the GRAC (503-851-4245); and at WUTalk - a 24-hour telephone crisis counseling support line (503-375-5353). If you are in immediate danger, please call campus safety at 503-370-6911.

**DACA/Undocumented Student Advocate** Willamette is committed to supporting our DACA/Undocumented students in a variety of ways. This year, Emilio Solano is the contact person for all DACA/undocumented students; he can provide a number of external and internal resources that are available. His contact information is email: [ea-solano@willamette.edu](mailto:ea-solano@willamette.edu), Office: 3rd Floor UC, Phone: 503-370-6027.

### **Diversity and Disability Statement**

Willamette University values diversity and inclusion; we are committed to a climate of mutual respect and full participation. My goal is to create a learning environment that is usable, equitable, inclusive and welcoming. If there are aspects of the instruction or design of this course that result in barriers to your inclusion or accurate assessment or achievement, please notify me as soon as possible. Students with disabilities are also encouraged to contact the Accessible Education Services office in Smullin 155 at 503-370-6737 or [Accessible-info@willamette.edu](mailto:Accessible-info@willamette.edu) to discuss a range of options to removing barriers in the course, including accommodations.

### **Religious Practice**

Willamette University recognizes the value of religious practice and strives to accommodate students' commitment to their religious traditions whenever possible. Please let me know within the first two weeks of the semester if a conflict between holy days or other religious practice and full participation in the course is anticipated. I will do my best to work with you to determine a reasonable accommodation.

### **SOAR Center Offerings: Food, Clothing, and School Materials**

The Students Organizing for Access to Resources (SOAR) Center strives to create equitable access to food, professional clothing, commencement regalia, and scholarly resources for WU and Willamette Academy students. The SOAR Center is located on the Putnam University Center's third floor (in the former Women's Resource Center and across from the Harrison Conference Room). The space houses the Bearcat Pantry, Clothing Share, and First-Generation Book Drive and is maintained by committed students and staff and faculty advisers.

### **Trans-Inclusive Classroom Space**

I will gladly honor your request to address you by your affirmed name or gender pronoun. Please advise me of this at any point in the semester so that I may make appropriate changes

to my records. If I accidentally use an incorrect gender pronoun when addressing you, please feel free to let me know, in whatever manner makes you comfortable, what pronouns you use so that I can make every effort to correct that error.

### **Land Acknowledgement**

We are gathered on the land of the Kalapuya, who today are represented by the Confederated Tribes of the Grand Ronde and the Confederated Tribes of the Siletz Indians, whose relationship with this land continues to this day. We offer gratitude for the land itself, for those who have stewarded it for generations, and for the opportunity to study, learn, work, and be in community on this land. We acknowledge that our University's history, like many others, is fundamentally tied to the first colonial developments in the Willamette Valley. Finally, we respectfully acknowledge and honor past, present, and future Indigenous students of Willamette.

### **LinkedIn Learning**

Willamette University tracks all log-in information for LinkedIn Learning. This information will be kept in-house and will be used for the purposes of developing LinkedIn Learning on campus. Faculty may keep track of your log-in for the purposes of evaluating your progress for class. Faculty using LinkedIn Learning in for class assignments will not share your log-in information with others as it is protected under FERPA.

### **Time Commitment**

Willamette's Credit Hour Policy holds that for every hour of class time there is an expectation of 2-3 hours' work outside of class. Thus, for this class you should anticipate spending 6-9 hours outside of class engaged in course-related activities. Examples include reading course materials, preparing for discussion, and preparing and writing papers and exams.

### **Intellectual Property and Privacy**

Class materials and discussions including recorded lectures are for the sole purpose of educating the students enrolled in the course. The release of such information (including but not limited to directly sharing, screen capturing, or recording content) is strictly prohibited, unless the instructor states otherwise. Doing so without the permission of the instructor will be considered an Honor Code violation and may also be a violation of other state and federal laws, such as the Copyright Act.