

Information for Online Homework Math10560 Spring 2024 (hyperlinks are in blue)

Homework will be assigned and collected electronically through Webassign.

- To register for online homework, you may follow the directions given in the Webassign Quick Start Guide:
http://webassign.net/manual/Student_Quick_Start_Guide_SE.pdf
or follow the directions below.
- Go to this page: <http://www.webassign.net>.
- Click on **Enter a Class Key** on the upper right of the page.
- Enter the appropriate Class Key from the table below and click **Enroll** (you can check the name of your instructor and your section number in Canvas or by asking your tutor or instructor):

Instructor	Section	Class Time	Class key
Larry Taylor	Section 01	9:25 - 10:15 a.m.	nd 4727 5163
Liberty Jones	Section 02	10:30 - 11:20 a.m.	nd 5473 4175
Eric Riedl	Section 03	10:30 - 11:20 a.m.	nd 4971 8087
Conor Malin	Section 04	11:30 a.m.-12:20 p.m.	nd 5468 4070
Brian Mulholland	Section 05	11:30 a.m.-12:20 p.m.	nd 6111 2276
Jinxuan Chen	Section 07	12:50 - 1:40 p.m. a.m.	nd 7642 6643

- If you already have a Cengage/Webassign account (this applies if you used Webassign for homework in Calculus I last semester), **login with the same username and password that you used for your previous calculus class**. If you have already subscribed to Cengage Unlimited a multi-term homework access code or book/EWA card bundle for Math 10550 last semester, the system should recognize this and should not send you any notices requesting that you purchase an access code when the grace period ends.
- If, on the other hand, you are a new user, Follow the steps to create a Cengage account. Please use your Notre Dame e-mail address to set up the account. Its best to use your e-mail address as your username and keep a record of your password. I advise against putting in your student ID number.
- Refer to the following site:
<https://www.cengage.com/student-training/webassign/not-integrated/ia-no/>,
or the Quick Start Guide:
http://webassign.net/manual/Student_Quick_Start_Guide_SE.pdf,
to register for your class with the appropriate class key from the table above.
- If you did not use webassign last semester, you have about 10 days after Jan. 16 to purchase an access code and enter it in the system before it terminates your access(see below).
- If you switch sections at some point in the future, take a screen shot of your homework scores to date before you switch, then send an e-mail to Pilkington.4@nd.edu with the screenshot, details of the section you are switching from, and the one you are switching to.

Be sure to read the [Book/Access Code Information](#) on our website before purchasing a book or access code. Note that a one-semester Cengage Unlimited subscription will (among other things) cover book/homework access for Calculus II-III.

You will now be able to view your Home Page, which will give you a list of current assignments. You are now ready to start work on your current assignments. Instructions on getting started are given on the course website under the link

[Online Homework Information/Getting Started on Your Homework](#). Your Home Page also offers a window with information on the e-book. You can preview the e-book and the attached media files if you click on this window.

HOMEWORK POLICY: The homework for each class is due at the end of the next class day (in fact 2a.m. the following morning) with exceptions for assignments due on Friday nights. A complete list of due dates is attached. In order to give you time to get acquainted with the system, the first homework due date is delayed. The first homework is due on Jan. 22. It is expected that by Jan 22 you will have overcome any initial difficulties you might have with the system.

Late Homework will not be accepted. In the case of extenuating circumstances, you should send the necessary documentation to your instructor. A prearranged trip off campus, for any event will not be considered as extenuating circumstances. The lowest three homework grades will be dropped, so it will not affect your grade if you miss up to three homeworks for one reason or another. If you do miss a homework, do print it out, cover up the solutions and work through the problems, so that you don't miss out on the learning benefits of working through it. Your Homework will count for 50 points out of a total of 600 points for the course, approximately 8.3% of your final grade.

WORKING THROUGH AN ASSIGNMENT: More detailed instructions on getting started and working on assignments are given on the course website under the link

[Online Homework Information/Getting Started on Your Homework](#).

For each homework question part, you are allowed 5 submissions for the answer unless it is a multiple choice question, in which case the number of submissions is one less than the number of answers. You can submit question parts individually. When you wish to make a submission, click **Submit Answers**. You do not need to complete your homework or a question in one sitting. You may click **Save Work** if you wish to return to your work later.

The first chart below shows the proper syntax for entering answers and the next chart shows the most common errors when entering answers. There is also a menu called "Calcpad" available when working on a problem which can be opened and used to help you enter your answers.

WebAssign Symbolic Formatting

This question requires that you enter your response in symbolic format.

To do this, type your answer into the answer box using standard calculator notation. You will be given credit for any formula that is evaluated to be equivalent to the answer formula.

For example, $4*x+12$ would be equivalent to $(x+3)*4$.

Use pi to represent the symbol π , 3.14 is a numerical approximation of the symbol π and these are not equivalent.

Do not worry about italics. For example, if a variable g is used in the question, just type g .

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Available operators	Example	Available operators	Example
+ for addition	$x+1$	sin, cos, tan, sec, csc, cot, asin, acos, atan functions (angle x expressed in radians)	$\sin(2*x)$
- for subtraction or the negative sign	$x-1$, or $-x$	sqrt() for square root of a number	$\text{sqrt}(x/5)$
* for multiplication	$4*x$	pi for 3.14159....	$2*\text{pi}*x$
/ for division	$x/4$	e for scientific notation	$1\text{e}3 = 1000$
** or ^ for exponential	$x**3$ or x^3	ln() for natural log	$\ln(x)$
() where necessary to group terms	$4/(x+1)$, or $3*(x+1)$	exp() for "e to the power of"	$\text{exp}(x) = e^x$
abs() to take the absolute value of a variable or expression.	$\text{abs}(-5) = 5$		

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Question Mode	Problem	Incorrect Notation	Correct Notation
Any	Incorrect grouping operator.	$4\{x+3\}$	$4(x+3)$
Any	Missing operand.	$50*$	$50*3$
Any	Too many consecutive operators.	$x++++2$	$x+2$
Any	Unrecognized symbol.	$\$4.00$ $4\&6$	4.00 $4+6$
Numerical	Misspelled unit.	3456 met/sec	3456 m/s
Numerical	Response cannot contain variables.	$2*x+3$	$2*10+3$
Numerical	Response cannot use implicit multiplication.	$3(14)$	$3*14$
Symbolic or Algebraic	Comma in number.	$5,000$	5000

HELP : The Math Help Room is a walk in help room staffed by graduate students. It is Located in The O'Meara Commons(in the basement of Hayes-Healy) and is open Monday through Thursday 1pm-9pm, Friday 1pm - 4pm, and Sunday 4pm - 9pm.

Help is also available in the form of **office hours and from the Learning Resource Center**. Details on Tutor office hours are available on the website [Help Available](#). Your Instructor will provide you with details of their office hours.

Webassign offers technical support and tutoring facilities. For **technical support**, click on the students

support button at the upper right hand corner of the Webassign home page.

For **homework help** the Enhanced Webassign system gives a number of help options with each question.

- **Read it** : Brings you to the relevant section of the book.
- **Watch it** : Shows a video tutorial where someone works through a similar question.
- **Master it** : Helps you through a similar question in steps outlining the ideas involved in each step.
- **Chat about it** : Offers help through live online tutorials.

Homework Schedule Math10560 Spring 2024

Class Date	Topic covered in class	HW Appears	HW Due
Jan 17 Wed. Jan 19 Fri.	6.1. Inverse Functions 6.2*. The Natural Logarithmic Function	Jan 16 Jan 17	Jan 22 2:00 a.m. Jan 23 2:00 a.m.
Jan 22 Mon. Jan 24 Wed. Jan 26 Fri.	6.3*. The Natural Exponential Function 6.4*. General Logarithmic and Exponential Function 6.5. Exponential Growth and Decay	Jan 19 Jan 22 Jan 24	Jan 25 2:00 a.m. Jan 29 2:00 a.m. Jan. 30 2:00 a.m.
Jan. 29 Mon. Jan. 31 Wed. Feb. 02 Fri.	6.6. Inverse Trigonometric Functions 6.8. Indeterminate Forms and L'Hospital's Rule 7.1. Integration by Parts	Jan 26 Jan. 29 Jan. 31	Feb. 01 2:00 a.m. Feb. 05 2:00 a.m. Feb. 06 2:00 a.m.
Feb. 05 Mon. Feb. 07 Wed. Feb. 09 Fri.	7.2. Trigonometric Integrals 7.3. Trigonometric Substitution 7.4. Integration of Rational Functions by Partial Fractions, Part 1	Feb. 02 Feb. 05 Feb 07	Feb. 08 2:00 a.m. Feb. 12 2:00 a.m. Feb. 13 2:00 a.m.
Feb 12 Mon. Feb 14 Wed. Feb. 16 Fri.	Partial Fractions, Part 2/Rationalizing substitutions 7.5. Strategy for Integration 7.7. Approximate Integrals	Feb. 09 Feb. 12 Feb. 14	Feb. 15 2:00 a.m. Feb. 19 2:00 a.m. Feb. 26 2:00 a.m.
Feb. 19 Mon. Feb. 21 Wed. Feb. 23 Fri.	Review for Exam 1 Return and discussion of Exam 1 7.8. Improper Integrals	Feb. 21	Feb. 27 2:00 a.m.
Feb. 26 Mon. Feb. 28 Wed. Mar. 01 Fri.	8.1. Arc Length 9.2. Direction Fields and Euler's Method 9.3. Separable Equations	Feb. 23 Feb. 26 Feb. 28	Feb. 29 2:00 a.m. Mar. 04 2:00 a.m. Mar. 05 2:00 a.m.
Mar. 04 Mon. Mar. 06 Wed. Mar. 08 Fri.	9.5. Linear Equations 11.1. Sequences 11.2. Series	Mar. 01 Mar. 04 Mar. 06	Mar. 07 2:00 a.m. Mar. 18 2:00 a.m. Mar. 19 2:00 a.m.
	Spring Break		
Mar. 18 Mon. Mar. 20 Wed. Mar. 22 Fri.	11.3. The Integral Test for p-series Review for Exam 2 Return and discussion of Exam 2	Mar. 08	Mar. 25 2:00 a.m.
Mar. 25 Mon. Mar. 27 Wed.	11.4. The Comparison Tests 11.5. Alternating Series	Mar. 22 Mar. 25	Mar. 28 2:00 a.m. Apr. 04 2:00 a.m.
	Easter Break		
Apr. 03 Wed. Apr. 05 Fri..	11.6. Absolute Convergence and the Ratio and Root Tests 11.7. Strategy for Testing Series	Mar. 27 Apr. 03	Apr. 08 2:00 a.m. Apr. 09 2:00 a.m.
Apr. 08 Mon. Apr. 10 Wed. Apr 12 Fri.	11.8. Power Series 11.9. Representations of Functions as Power Series 11.10. Taylor and MacLaurin Series	Apr. 05 Apr. 08 Apr. 10	Apr. 11 2:00 a.m. Apr. 15 2:00 a.m. Apr. 16 2:00 a.m.
Apr 15 Mon. Apr 17 Wed. Apr. 19 Fri.	11.11. Applications of Taylor Polynomials 10.1. Curves Defined by Parametric Equations 10.2. Calculus with Parametric Curves	Apr. 12 Apr. 15 Apr. 17	Apr. 18 2:00 a.m. Apr. 22 2:00 a.m. Apr. 25 2:00 a.m.
Apr. 22 Mon. Apr. 24 Wed. Apr. 26 Fri.	Review For Exam 3 Return and discussion of Exam 3 10.3. Polar Coordinates	Apr. 19	Apr. 30 2:00 a.m.
Apr. 29 Mon.	10.4. Areas and Lengths in Polar Coordinates	Apr. 26	May 02 11:59 p.m.