

MATH 141 - PRECALCULUS I

Winter 2020 - (MATH& 141 – 03 (6570) / PRECALCULUS I / 18-134 / DAILY 10:30AM - 11:20AM)

Instructor : Rudy Gunawan
Office : 18 – 212D
Hours : Daily : 07:30AM – 08:20AM, 11:30AM – 12:20 PM,
or by appointment.

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Text, Topics, and Prerequisites

Precalculus – 4th edition by Sullivan & Sullivan, including MyLab Math (required). A Student Solutions Manual is also available.

This course covers functions and their inverses, operations on functions and modeling with functions and variations, polynomial, rational, exponential and logarithmic functions. It also includes systems of linear and nonlinear equations, partial fraction decomposition, and an introduction to matrices and elementary row operations. Prerequisites : MATH 98 or MATH 099 with a 3.0 or better, or MATH 108 with a 2.0 or better, or appropriate placement score.

Attendance

Attendance is expected, but will not be a factor in computing your grade. However, you are responsible for everything covered in class whether it is in the text or not, and for the occasional graded in-class problem solving sessions.

Homework

For each topic that we discuss in class, I will suggest a few exercises for you to do at home. Doing the exercises and reading the textbook are essential to mastering the material. Questions on these exercises are encouraged. However, class period may be rather limited, so please make good use of the office hours.

Homework is not collected daily, but do try to do them on a daily basis and try not fall behind in this course. It is almost always the case that what we will learn tomorrow will be built upon what we learn today or previously. Generally, two hours of study time outside of class for every hour spent in class are expected in a math course.

Exams and Problem Sets

There will be 4 exams and a final exam. All exams are scheduled for the quarter and will be given at those times. If you have a court date or surgery already scheduled, please notify me *before* the test date. Make-up exam will only be given if the absence was unavoidable, e.g., car accident, emergency hospitalization; in which case, I expect you to provide verification of these exceptional emergencies. The final exam will be given at the scheduled time; everyone takes the final on the same day at the same time. Use of Maple 2019 recommended. Calculator use on exam will be specified per exam. Tablets or communication devices are not allowed on exam.

In addition to the exams, we will have up to 10 paper & pencil or online problem sets. Grades for the exams as well as the problem sets will be based not only on the correctness of the solution, but also on the clarity and quality of the presentation. *Note:* Unless an assignment is a group project, your work should be your very own. Fraudulent representation of work will not be tolerated and will lead to dismissal from class, and a grade of 0.0 for the course.

Grading	Problems sets	250 points	(150 MyLab Math + 100 paper&pencil)
	4 exams × 100	400 points	
	Final exam	200 points	

	Total	850 points	Divide the total of your grades by 8.5 to find your average score (0-100)

FINAL GRADES									
average	grade point	average	grade point	average	grade point	average	grade point	average	grade point
93 – 100	4.0	86	3.3	79	2.6 B–	72	1.9	65	1.2
92	3.9	85	3.2 B+	78	2.5	71	1.8	64	1.1
91	3.8 A	84	3.1	77	2.4	70	1.7	63	1.0 D
90	3.7	83	3.0	76	2.3 C+	69	1.6 C–		
89	3.6	82	2.9 B	75	2.2	68	1.5		
88	3.5 A–	81	2.8	74	2.1	67	1.4		
87	3.4	80	2.7	73	2.0 C	66	1.3 D+	0 – 62	0.0 F

Note: February 24, 2020 is the last day to withdraw from this class. If your name is on the roster after that date, then your course grade will be determined using the table above.

The “Z” grade (special withdrawal - 0.0 grade points; no credit) is an instructor initiated option to withdraw a student after the last day to officially withdraw. A “Z” grade will not be issued for incomplete course work and/or non-attendance; it is also not a replacement for a low grade point.

Mathematics Learning Center - MLC

The learning center is in 18 - 213. During part of the operating hours, peer tutoring services may be available. The computer algebra system Maple is installed in all stations for your use in this facility.

Monday - Thursday 08:00 AM - 04:30 PM Saturday closed
Friday 08:00 AM - 02:30 PM Sunday 02:30 PM - 06:30 PM

Tentative Schedule

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Date	Chapter	Date	Chapter
01/06	1.1	02/17	Holiday
01/07	1.1	02/18	3.6
01/08	1.2	02/19	Review
01/09	1.3	02/20	Exam #3
01/10	1.3 – 1.4	02/21	4.1
01/13	1.4 – 1.5	02/24	4.2 LDTW
01/14	1.5	02/25	4.3
01/15	1.6	02/26	4.4
01/16	1.6 – 1.7	02/27	4.5
01/17	1.7	02/28	4.5 – 4.6
01/20	Holiday	03/02	4.6
01/21	Review	03/03	4.8
01/22	Exam #1	03/04	4.9
01/23	2.3	03/05	Review
01/24	2.3 – 2.4	03/06	Exam #4
01/27	2.4 – 2.5	03/09	10.1
01/28	2.5 – 2.6	03/10	10.1 – 10.2
01/29	2.6 – 2.7	03/11	10.2
01/30	2.7 – 2.8	03/12	10.2 , 10.5
01/31	2.8 , A.5	03/13	10.5
02/03	A.5	03/16	10.5 – 10.6
02/04	Review	03/17	10.6
02/05	Exam #2	03/18	Final Review
02/06	3.1	03/19	Final Review
02/07	3.1 – 3.2	03/20	Dead Day
02/10	3.2	03/23	–
02/11	3.3	03/24	–
02/12	3.3 – 3.4	03/25	Final Exam
02/13	3.4 – 3.5	03/26	FWD
02/14	3.5	03/27	

Note : An exam may be given in class, or with partial or as a full take home exam given a day or two ahead of schedule, or given in the MLC. Be in class, and be informed of each arrangement.

FWD : Faculty workday.

LDTW : Last day to withdraw.

Note : If you have a health condition or disability that may require accommodations in order to fully participate in this class, please contact me after class or contact Disability Support Services in Building 17-201, phone (509) 533-4166. Information about any disability will be regarded as confidential.