

Math 125 - Calculus I

Spring 2022 Schedule

Week 1:

Lecture #	Day	Date	Section(s)
	Monday	1/17	Dr. Martin Luther King Holiday
Lecture 1	Wednesday	1/19	Introduction and Precalculus Review
Lecture 2	Friday	1/21	2.1: Limits, Rates of Change, and Tangent Lines
Lab #	Day	Date	Section(s)
Lab 1			Week 1 - Lab 1 & 2: Worksheet1
	Tuesday	1/18	Precalculus Review
Lab 2	Wednesday or Thursday	1/19 or 1/20	Week 1 - Lab 1 & 2: Worksheet1 Precalculus Review
Due Dates	Day	Date	Assignments
	Wednesday	1/19	Prelecture WarmUp Review Due before 1 PM (Extra Credit)
	Friday	1/21	Prelecture WarmUp 2.1 Due before 1 PM (Extra Credit)
	Friday	1/21	Achieve Homework 0: Precalculus
	Friday	1/21	Worksheet 1 (Attend Labs & Upload to Canvas)

Week 2:

Lecture #	Day	Date	Section(s)
Lecture 3	Monday	1/24	2.2: Limits: A Numerical and Graphical Approach
Lecture 4	Wednesday	1/26	2.3: Basic Limit Laws
Lecture 5	Friday	1/28	2.4: Limits and Continuity
Lab #	Day	Date	Section(s)
Lab 3	Monday or Tuesday	1/24 or 1/25	Week 2 - Lab 1 & 2: Worksheet2 Sections PreCalculus
Lab 4	Wednesday or Thursday	1/26 or 1/27	Worksheet 2 In-Class Precalculus Review Quiz 1
Due Dates	Day	Date	Assignments
	Monday	1/24	PreLecture WarmUp 2.2 Due before 1 PM (Extra Credit)
	Wednesday	1/26	PreLecture WarmUp 2.3 Due before 1 PM (Extra Credit)
	Friday	1/28	PreLecture WarmUp 2.4 Due before 1 PM (Extra Credit)
	Friday	1/28	Achieve Homework 1: Sections 2.1, and 2.2
	Friday	1/28	Worksheet 2 (Attend Labs & Upload to Canvas)

Week 3:

Lecture #	Day	Date	Section(s)
Lecture 6	Monday	1/31	2.5: Evaluating Limits Algebraically
Lecture 7	Wednesday	2/2	SNOW DAY
Lecture 8	Friday	2/4	2.7: Limits at Infinity
Lab #	Day	Date	Section(s)
Lab 5	Monday	2/31	Week 3 - Lab 1: Worksheet3
	or Tuesday	or 1/1	Sections 2.1 and 2.2
Lab 6	Wednesday	2/2	Week 3 - Lab 2: Worksheet4
	or Thursday	or 2/3	Sections 2.3, 2.4 and 2.5
Due Dates	Day	Date	Assignments
	Monday	1/31	PreLecture WarmUp 2.5 Due before 1 PM (Extra Credit)
	Wednesday	2/2	PreLecture WarmUp 2.7 Due before 1 PM (Extra Credit)
	Friday	2/4	Achieve Homework 2: Sections 2.3, 2.4 and 2.5
	Tuesday	2/8	Worksheet 3 and 4 (Attend Labs & Upload to Canvas)

Week 4:

Lecture #	Day	Date	Section
Lecture 9	Monday	2/7	2.8: Intermediate Value Theorem and
Lecture 10	Wednesday	2/9	3.1: Definition of Derivative
Lecture 11	Friday	2/11	3.2: The Derivative as a Function
Lab #	Day	Date	Section(s)
Lab 7	Monday	2/7	Week 3 - Lab 2: Worksheet4
	or Tuesday	or 2/8	Sections 2.3, 2.4 and 2.5
Lab 7	Monday	2/7	Week 4 - Lab 2: Worksheet5
	or Thursday	or 2/10	Sections 2.5 and 2.7
Due Dates	Day	Date	Assignments
	Monday	2/7	PreLecture WarmUp 2.8 Due before 1 PM (Extra Credit)
	Tuesday	2/8	Worksheet 3 and 4 (Attend Labs & Upload to Canvas)
	Wednesday	2/9	PreLecture WarmUp 3.1 Due before 1 PM (Extra Credit)
	Friday	2/11	PreLecture WarmUp 3.2 Due before 1 PM (Extra Credit)
	Friday	2/11	Achieve Homework 3: Sections 2.5, 2.7 and 2.8
	Friday	2/11	Worksheets 4(Attend Labs & Upload to Canvas)

Week 5:

Lecture #	Day	Date	Section(s)
Lecture 12	Monday	2/14	3.3: Product and Quotient Rules
Lecture 13	Wednesday	2/16	3.7: The Chain Rule
Lecture 14	Friday	2/18	3.7: The Chain Rule and 3.8: Implicit Differentiation
Lab #	Day	Date	Section(s)
Lab 9	Monday or Tuesday	2/14 or 2/15	Week 5 - Lab 1: Worksheet6 Sections 2.8, 3.1, 3.2 and 3.3 In-class Quiz 2: Limits of Indeterminate Forms (Section 2.5) and Limits at Infinities (Section 2.7)
Lab 10	Wednesday or Thursday	2/16 or 2/17	Week 5 - Lab 2: Worksheet6 Section 2.8, 3.1, 3.2, 3.3
Due Dates	Day	Date	Assignments
	Monday	2/14	PreLecture WarmUp 3.3 Due before 1 PM (Extra Credit)
	Wednesday	2/16	PreLecture WarmUp 3.7 Due before 1 PM (Extra Credit)
	Friday	2/18	PreLecture WarmUp 3.8 Due before 1 PM (Extra Credit)
	Friday	2/18	Achieve Homework 4: Sections 3.1, 3.2 and 3.3
	Friday	2/18	Worksheets 6 and 6(Attend Labs & Upload to Canvas)

Week 6:

Lecture #	Day	Date	Section
Lecture 15	Monday	2/21	3.8: Implicit Differentiation
Lecture 16	Wednesday	2/23	3.4: Rates of Change
Lecture 17	Friday	2/25	3.5: Higher Derivatives
Lab #	Day	Date	Section(s)
Lab 11	Monday or Tuesday	2/21 or 2/22	Mon.: Week 6 - Lab 1: Worksheet 7: Section 3.7 Tues.: Week5 - Lab 2: Worksheet 6 & Week 6 - Lab 1: Worksheet 7starts on Tuesday and may continue on Thursday
Lab 12	Wednesday or Thursday	2/23 or 2/24	Week 6 - Lab 2: Worksheet8 Section 3.8
Due Dates	Day	Date	Assignments
	Tuesday	2/23	Worksheet 6 and Achieve 5 (Attend Labs & Upload to Canvas)
	Friday	2/25	PreLecture WarmUp 3.4 Due before 1 PM (Extra Credit)
	Friday	2/25	PreLecture WarmUp 3.5 Due before 1 PM (Extra Credit)
	Friday	2/25	Achieve Homework 5: Section 3.8
	Friday	2/25	Worksheet 7 and 8 (Attend Labs & Upload to Canvas)

Week 7:

Lecture #	Day	Date	Section(s)
Lecture 18	Monday	2/28	Midterm 1 Review
Midterm 1	Tuesday	3/1	PreCalculus, Chapter 2 and Sections 3.1-3.3, 3.7, 3.8 5:50-7:50 PM, Strong 330 and Wescoe 3140
Lecture 19	Wednesday	3/2	2.6 & 3.6: Trigonometric Limits and Derivatives
Lecture 20	Friday	3/4	3.6: Derivatives of Trigonometric Functions
Lab #	Day	Date	Section(s)
Lab 13	Monday or Tuesday	2/28 or 2/29	Practice Exam
Lab 14	Wednesday or Tuesday	2/2 or 2/3	Week 7 - Lab 1 & 2: Worksheet9 Section 3.4, 3.5
Due Dates	Day	Date	Assignments
	Wednesday	3/2	PreLecture WarmUp 2.6/3.6 Due before 1 PM (Extra Credit)
	Friday	3/4	Achieve Homework 6: Sections 3.8 and 3.4
	Friday	3/4	Worksheet 9(Attend Labs & Upload to Canvas)
Optional	Day	Date	Time and Place
Review	Saturday	2/26	10:00 AM – 12:00 PM, Wescoe 3140
Practice Exam	Sunday	2/27	LEEP 2, 5-7 pm

Week 8:

Lecture #	Day	Date	Section
Lecture 21	Monday	3/7	3.9: Derivatives of Inverse Functions and Catch-Up
Lecture 22	Wednesday	3/9	3.9: Derivatives of Inverse Functions
Lecture 23	Friday	3/11	3.10: Related Rates
Lab #	Day	Date	Section(s)
Lab 15	Monday or Tuesday	3/7 or 3/8	Paper Gateway Exam Taking Derivative (Sections 3.2,3.3, 3.7, 3.8 and 3.6) 10 Questions, Pass (≥ 8) or No Pass (≤ 7), If No Pass, Retake in Computer Lab Next 2 Weeks Click for Videos and Click for Questions
Lab 16	Wednesday or Thursday	3/9 or 3/10	Week 8 - Lab 2: Worksheet10 Sections 2.6 and 3.6
Due Dates	Day	Date	Assignments
	Monday	3/7	PreLecture WarmUp 3.9 Due before 1 PM (Extra Credit)
	Tuesday	3/9	Last week extended assignments
	Friday	3/11	PreLecture WarmUp 3.10 Due before 1 PM (Extra Credit)
	Friday	3/11	Achieve Homework 7: Sections 3.5, 2.6 and 3.6
	Friday	3/11	Worksheet 10(Attend Labs & Upload to Canvas)

Spring Break: March 14th-March 20th

Week 9: Snow 159 Opens for Gateway retake on Monday 3/21.

Lecture #	Day	Date	Section(s)
Lecture 24	Monday	3/21	3.10: Related Rates
Lecture 25	Wednesday	3/23	4.1: Linear Approximations
Lecture 26	Friday	3/25	4.2: Extreme Values
Lab #	Day	Date	Section(s)
Lab 17	Monday or Tuesday	3/21 or 3/22	Week 9 - Lab 1: Worksheet11 Section 3.9
Lab 18	Wednesday or Thursday	3/23 or 3/24	Week 9 - Lab 2: Worksheet12 Section 3.10
Due Dates	Day	Date	Assignments
	Wednesday	3/23	PreLecture WarmUp 4.1 Due before 1 PM (Extra Credit)
	Friday	3/25	PreLecture WarmUp 4.2 Due before 1 PM (Extra Credit)
	Friday	3/25	Achieve Homework 8: Section 3.9
	Friday	3/25	Worksheet 11 and 12(Attend Labs & Upload to Canvas)

Week 10: Last Day of Gateway Retake in Snow 159 is Friday 4/1.

Lecture #	Day	Date	Section
Lecture 27	Monday	3/28	4.2 and 4.3: The Mean Value Theorem
Lecture 28	Wednesday	3/30	4.3 and 4.4: The Shape of a Graph
Lecture 29	Friday	4/1	4.4 and 4.6: Graph Sketching
Lab #	Day	Date	Section(s)
Lab 19	Monday or Tuesday	3/28 or 3/29	Week 10 - Lab 1 & 2: Worksheet13 Sections 3.10 and 4.1
Lab 20	Wednesday or Thursday	3/30 or 3/31	Week 10 - Lab 1 & 2: Worksheet13 Section 3.10 and 4.1 In-class Quiz 3: Sections 3.8, 3.9 and 3.10
Due Dates	Day	Date	Assignments
	Monday	3/28	PreLecture WarmUp 4.3 Due before 1 PM (Extra Credit)
	Wednesday	3/30	PreLecture WarmUp 4.4 Due before 1 PM (Extra Credit)
	Friday	4/1	PreLecture WarmUp 4.6 Due before 1 PM (Extra Credit)
	Friday	4/1	Achieve Homework 9: Sections 3.10
	Friday	4/1	Worksheet 13(Attend Labs & Upload to Canvas)

Week 11:

Lecture #	Day	Date	Section
Lecture 30	Monday	4/4	4.6: Graph Sketching
Lecture 31	Wednesday	4/6	4.5: l'Hôpital's Rule
Lecture 32	Friday	4/8	4.5: l'Hôpital's Rule and 4.7: Applied Optimization
Lab #	Day	Date	Section(s)
Lab 21	Monday or Tuesday	4/4 or 4/5	Week 11 - Lab 1: Worksheet14 Sections: 4.2, 4.3 and 4.4
Lab 22	Wednesday or Thursday	4/6 or 4/7	Week 11 - Lab 2: Worksheet15 Sections: 4.4 and 4.6
Due Dates	Day	Date	Assignments
	Monday	4/4	PreLecture WarmUp 4.6 Due before 1 PM (Extra Credit)
	Friday	4/8	PreLecture WarmUp 4.5 Due before 1 PM (Extra Credit)
	Friday	4/8	Achieve Homework 10: Sections 4.1, 4.2, 4.3 and 4.4
	Friday	4/8	Worksheet 14 & 15(Attend Labs & Upload to Canvas)

Week 12:

Lecture #	Day	Date	Section(s)
Lecture 33	Monday	4/11	Midterm 2 Review
Midterm 2	Tuesday	4/12	Chapter 3, Sections 4.1-4.6 (Emphasis is on the material after Midterm 1.) 5:50-7:50 PM, Strong 330 and Wescoe 3140
Lecture 34	Wednesday	4/13	4.7: Applied Optimization
Lecture 35	Friday	4/15	5.1: Area & 4.8: Newton's Method
Lab #	Day	Date	Section(s)
Lab 23	Monday or Tuesday	4/11 or 4/12	Practice Exam
Lab 24	Wednesday or Thursday	4/13 or 4/14	Week 12 - Lab 2: Worksheet16 Section 4.5
Due Dates	Day	Date	Assignments
	Friday	4/15	PreLecture WarmUp 5.1 Due before 1 PM (Extra Credit)
	Friday	4/15	Achieve Homework 11: Section 4.5 and 4.6
	Friday	4/15	Worksheet 16 (Attend Labs & Upload to Canvas)
Optional	Day	Date	Time and Place
Review	Saturday	4/9	10:00 AM – 12:00 PM, Wescoe 3140
Practice Exam	Sunday	4/10	LEEP 2, Rooms G411 and G415 at 4:00PM

Week 13: Last day to withdraw: Monday April 18th

Lecture #	Day	Date	Section(s)
Lecture 36	Monday	4/18	5.1: Area
Lecture 37	Wednesday	4/20	5.2: Definite Integrals
Lecture 38	Friday	4/22	5.3: Indefinite Integrals and Catch-Up
Lab #	Day	Date	Section(s)
Lab 25	Monday or Tuesday	4/18 or 4/19	Week 13 - Lab 1: Worksheet17 Section 4.7
Lab 26	Wednesday or Thursday	4/20 or 4/21	Week 13 - Lab 2: Worksheet18 Section 5.1 and 5.2
Due Dates	Day	Date	Assignments
	Monday	4/18	PreLecture WarmUp 5.2 Due before 1 PM (Extra Credit)
	Wednesday	4/20	PreLecture WarmUp 5.3 Due before 1 PM (Extra Credit)
	Friday	4/22	Achieve 12: Section 4.7
	Friday	4/22	Worksheet 17 and 18

Week 14:

Lecture #	Day	Date	Section(s)
Lecture 38	Monday	4/25	5.3: Indefinite Integrals
Lecture 39	Wednesday	4/27	5.4: The Fundamental Theorem of Calculus Part I 5.5:
Lecture 40	Friday	4/29	5.5: The Fundamental Theorem of Calculus Part II and 5.7: Substitution Method
Lab #	Day	Date	Section(s)
Lab 26	Monday or Tuesday	4/25 or 4/26	Week 14 - Lab 1: Worksheet19 Section 5.2
Lab 27	Wednesday or Thursday	4/27 or 4/28	Week 14 - Lab 2: Worksheet20 Section 5.3 & 5.4
Due Dates	Day	Date	Assignments
	Monday	4/25	PreLecture WarmUp 5.4 Due before 1 PM (Extra Credit)
	Wednesday	4/27	PreLecture WarmUp 5.5 Due before 1 PM (Extra Credit)
	Friday	4/29	Achieve 13: Section 5.1, 5.2 and 5.3
	Friday	4/29	Worksheet 19 and 20(Attend Labs & Upload to Canvas)

Week 15:

Lecture #	Day	Date	Section
Lecture 41	Monday	5/2	5.7: Substitution Method
Lecture 42	Wednesday	5/4	Chapter 5 Review
Stop Day	Friday	5/6	Stop day Review, Room: Budig 130
Lab #	Day	Date	Section(s)
Lab 28	Monday or Tuesday	5/2 or 5/3	Week 15 - Lab 1: Worksheet21: Sections 5.5 & 5.7 In-class Quiz 4: Sections 5.3- 5.5, Study Worksheets 19-20 and Achieve 13-14
Lab 29	Wednesday or Thursday	5/4 or 5/5	Week 15 - Lab 2: Worksheet21 Section 5.5 & 5.7
Due Dates	Day	Date	Assignments
	Thursday	5/5	Achieve 14: Sections 5.4, 5.5 and 5.7
	Thursday	5/5	Worksheet 21 (Attend Labs & Upload to Canvas)
Optional	Day	Date	Time and Place
Stop Day Review Help room	Friday	5/6	10AM-12PM Budig 130 Closed on Friday 5/6 but We reopen on Monday (Hours will be announced)

Final Exams Week :

Final Exam	Tuesday, May 10 th	4:30 - 7 PM	Location depends on your lab instructor (TBA)
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