

## MTHU241 Class schedule

Week	Section	Topic	Assignment
<b>1.</b>	Sept. 10: Introduction to the course and assessment quiz		
<b>Sept. 8–14</b>	1.1	Representing Functions	p. 22: 1,2,5,6,10,23,24,25,27,28,43–47,57,58,64–66
<b>2.</b>	2.2	Limit of a Function	p. 106: 1–4,9–12.
<b>Sept. 15–21</b>	2.3	Calculating Limits Using Limit Laws	p. 115: 1–7,13–18,27–30,43,44
	2.5	Limits Involving Infinity, I	p. 137: 1–4,15–24,27–29
<b>3.</b>	2.5	Limits Involving Infinity, II	p. 137: 1–4,15–24,27–29
	2.4	Continuity	p. 126: 2–4,7,8,13,14,17,18
	2.6	Velocities and Rates of Change	p. 145: 1,2,7–11,13,16
	2.7	Derivatives	p. 153: 2–8,13,15,19–22,29,30
<b>Sept. 22–28</b>	<i>Sept. 26: last day to drop a course without a W grade</i>		
<b>4.</b>	2.8	Derivative as a Function	p. 165: 3–11,31–34,37–40
	2.9	What $f'$ Says About $f$	p. 172: 1–4,8,10,13,14,15,18,21–26
	3.1	Polynomials and Exponential Functions	p. 190: 3–26,41,42
	3.2	Product and Quotient Rules	p. 198: 3–12,19,20,23(a),24(a),29,31,32,37,38,46(a)
<b>5.</b>	App. C	Trigonometry (review)	p. A28: 21–23,25,27–46,48.
<b>Oct. 6–12</b>	Oct. 8: 1st Midterm review		
	<b>Oct. 9: 1 Hour Exam</b>		
<b>6.</b>	OCT. 13: COLUMBUS DAY, NO CLASSES		
<b>Oct. 13–19</b>	3.4	Trigonometric Functions	p. 218: 1–12,27–30,35,36
	3.5	The Chain Rule	p. 228: 1–20,29,30,41,42,45,46
<b>7.</b>	3.6	Implicit Differentiation	p. 238: 7,8,11–14,17,18,29,32,36,41,42,43–46
	3.7	Log Functions	p. 245: 2–14,29–32
	3.8	Linear Approximation	p. 252: 1,2,5–10,28–30
<b>Oct. 20–26</b>	4.1	Related Rates	p. 267: 8–11,13,14,17,18,27,33,34
	4.2	Maxima and Minima	p. 274: 3,4,9,10,23,24,29,32,37–43
	4.3	Derivatives and Curves, I	p. 286: 5–8,11,12,17,18,21–24,29,30,32–34,37,48
<b>8.</b>	4.3	Derivatives and Curves, II	p. 286: 5–8,11,12,17,18,21–24,29,30,32–34,37,48
	4.4	Graphing with Calculus	p. 295: 3,4,8,11,12
	4.5	Indeterminate forms and l'Hopital's rule	p. 303: 1,2,5,7,8,9,16,18,25,26,33–35,38
	Nov. 7: 2nd Midterm revision		
<b>Nov. 3–9</b>			
<b>10.</b>	<b>Nov. 10: 1 Hour Exam</b>		
<b>Nov. 10–16</b>	4.6	Optimization Applications	p. 311: 3,4,10,12,16,22,38
	4.8	Newton's Method	p. 325: an exercise sheet will be given in class
<b>11.</b>	4.9	Antiderivatives	p. 332: 1–12,21,22,29,30,33,34,39,40,46,48
	5.1	Areas and Distances, I	p. 352: 3,4,17,18
	5.1	Areas and Distances, II	p. 352: 3,4,17,18
<b>Nov. 17–23</b>	<i>Nov. 21: last day to drop a course with a W grade</i>		
<b>12.</b>	5.2	The Definite Integral	p. 364: 1,2,11,17,18,21,22,27,28,31,32,35–40,43,44,49,50
	NOV. 26–30: THANKSGIVING BREAK, NO CLASSES		
<b>Nov. 24–30</b>	5.3	Evaluating Definite Integrals	p. 374: 3–14,17–20,27,29,30,38,45,48,53–60
	5.4	The Fundamental Theorem of Calculus	p. 383: 2,5,8,9,11–20
	5.5	The Substitution Rule	p. 392: 1–24,30,31,33,45–48,53,54
<b>13.</b>	1.7	Parametric Curves	p. 79: 1,5–7,9–12,16,20,21,25,29,30 <b>and</b> p. 230: 69–74.
	Dec. 10: Review for the Final		
	DEC. 11: READING DAY, NO CLASSES		
<b>Dec. 8–14</b>			
<b>14.</b>	Dec. 17: Review session for the final, 6–8:30, 200 Richards Hall (RI)		
	<b>Thursday Dec. 18, 10:30–12:30, 224 Hurtig Hall (HT): Final Exam</b>		
<b>Dec. 15–21</b>			