

MATH 425A - Fall 2019 - Tentative Schedule

Monday	Tuesday	Wednesday	Thursday	Friday
<i>Aug 26</i> Introduction and Preliminaries First day of classes	<i>Aug 27</i>	<i>Aug 28</i> 1.1: The Completeness Axiom	<i>Aug 29</i>	<i>Aug 30</i> 1.1: The Completeness Axiom (continued)
<i>Sept 2</i> Labor day No Classes	<i>Sept 3</i>	<i>Sept 4</i> 1.2: Distribution of Integers and Rational Numbers	<i>Sept 5</i>	<i>Sept 6</i> 1.3: Inequalities and Identities Sept 8: Last day to drop with deletion from record
<i>Sept 9</i> 2.1: Convergence of Sequences Homework 1	<i>Sept 10</i>	<i>Sept 11</i> 2.2: Sequences and Sets	<i>Sept 12</i>	<i>Sept 13</i> 2.3: Monotone convergence Theorem
<i>Sept 16</i> 2.4: Sequential Compactness Theorem	<i>Sept 17</i>	<i>Sept 18</i> 2.5: Covering Properties of Sets	<i>Sept 19</i>	<i>Sept 20</i> 3.1: Continuity Homework 2 Sept 22: Last day to apply for GRO
<i>Sept 23</i> 3.2: Extreme Value Theorem	<i>Sept 24</i>	<i>Sept 25</i> 3.3: Intermediate Value Theorem	<i>Sept 26</i>	<i>Sept 27</i> 3.4: Uniform Continuity
<i>Sept 30</i> 3.5: Epsilon and Delta Continuity Homework 3	<i>Oct 1</i>	<i>Oct 2</i> 3.6: Images and Inverses	<i>Oct 3</i>	<i>Oct 4</i> MIDTERM EXAM 1
<i>Oct 7</i> 3.7: Limits	<i>Oct 8</i>	<i>Oct 9</i> 4.1: Algebra of Derivatives	<i>Oct 10</i>	<i>Oct 11</i> 4.2: Differentiating Inverses and Compositions Homework 4
<i>Oct 14</i> 4.3: Mean Value Theorem Take Home Due	<i>Oct 15</i>	<i>Oct 16</i> 4.3: Mean Value Theorem (continued)	<i>Oct 17</i>	<i>Oct 18</i> 4.4: Cauchy Mean Value Theorem Homework 5

Monday	Tuesday	Wednesday	Thursday	Friday
<i>Oct 21</i> 6.1: Darboux Sums; Upper and Lower Integrals	<i>Oct 22</i>	<i>Oct 23</i> 6.2: Archimedes- Riemann Theorem	<i>Oct 24</i>	<i>Oct 25</i> 6.2: Archimedes-Riemann Theorem (cont.)
<i>Oct 28</i> 6.3: Additivity, Monotonicity, and Linearity	<i>Oct 29</i>	<i>Oct 30</i> 6.4: Continuity and Integrability Homework 6	<i>Oct 31</i>	<i>Nov 1</i> 6.5: First Fundamental Theorem: Integrating Derivatives Nov 3: Last day to withdraw with W using Uaccess
<i>Nov 4</i> 6.6: Second Fundamental Theorem: Differentiating Integrals	<i>Nov 5</i>	<i>Nov 6</i> 8.1: Taylor Polynomials	<i>Nov 7</i>	<i>Nov 8</i> 8.2: Lagrange Remainder Theorem Homework 7
<i>Nov 11</i> Veterans Day No Classes	<i>Nov 12</i>	<i>Nov 13</i> 8.3: Convergence of Taylor Polynomials	<i>Nov 14</i>	<i>Nov 15</i> MIDTERM EXAM 2
<i>Nov 18</i> 8.4: Power Series for Logarithms Homework 8	<i>Nov 19</i>	<i>Nov 20</i> 8.5: Cauchy Integral Remainder Theorem	<i>Nov 21</i>	<i>Nov 22</i> 9.1: Sequences and Series of Numbers Nov 24: Last day to submit petition for late withdrawal
<i>Nov 25</i> 9.1: Sequences and Series of Numbers (cont.) Homework 9	<i>Nov 26</i>	<i>Nov 27</i> 9.2: Pointwise Convergence and Sequences of Functions TAKE HOME EXAM 2 DUE	<i>Nov 28</i> <i>Nov 29</i> Thanksgiving recess No Classes	
<i>Dec 2</i> 9.3: Uniform Convergence of Sequences of Functions	<i>Dec 3</i>	<i>Dec 4</i> 9.4: Uniform Limit of Functions	<i>Dec 5</i>	<i>Dec 6</i> 9.5: Power Series
<i>Dec 9</i> 8.7 Weierstrass Approximation Theorem Homework 10	<i>Dec 10</i>	<i>Dec 11</i> Review Last day of classes	<i>Dec 12</i> Reading day	FINAL EXAM ON FRIDAY DECEMBER 13 10:30AM-12:30PM