MATH 2554 COURSE OUTLINE AND SUGGESTED SCHEDULE:
This schedule is an approximation and subject to change.

Week of	
18 January	**MLK Holiday** **2.1 The Idea of Limits** **2.2 Definitions of Limits**
25 January	**2.3 Techniques for Computing Limits** **2.4 Infinite Limits** **2.5 Limits at Infinity**
1 February	**2.5 Limits at Infinity** **2.6 Continuity** **2.7 Precise Definitions of Limits**
8 February	**2.7 Precise Definitions of Limits** **3.1 Introducing the Derivative** **Review** **Exam 1**
15 February	**3.2 Working with Derivatives** **3.3 Rules of Differentiation** **3.4 The Product and Quotient Rule** **3.5 Derivatives of Trigonometric Functions**
22 February	**3.5 Derivatives of Trigonometric Functions** **3.6 Derivatives as Rates of Change** **3.7 The Chain Rule**
29 February	**3.8 Implicit Differentiation** **Review** **Exam 2** **3.9 Derivatives of Logarithmic and Exponential Functions**
7 March	**Review** **MIDTERM EXAM – TUESDAY, 6:00 – 7:30 PM** **3.10 Derivatives of Inverse Trigonometric Functions** **3.11 Related Rates**
14 March	**3.11 Related Rates** **4.1 Maxima and Minima** **4.2 What Derivatives Tell Us**
21 March	**NO CLASS—SPRING BREAK**

28 March	**4.3 Graphing Functions** **4.4 Optimization Problems** **4.5 Linear Approximation and Differentials**
4 April	**4.6 Mean Value Theorem** **Review** **Exam 3**
11 April	**4.7 L'Hopital's Rule** **4.9 Antiderivatives** **5.1 Approximating Areas Under Curves**
18 April	**5.2 Definite Integrals** **5.3 Fundamental Theorem of Calculus** **5.4 Working with Integrals**
25 April	**5.4 Working with Integrals** **5.5 Substitution Rule** **Review** **Exam 4**
2 May	**5.5 Substitution Rule** **Review**
9 May	**FINAL EXAM – MONDAY, 6:00-8:00 PM**