TENTATIVE Schedule

Lectures

Week 1		
M, 8/26	Introduction to course	
W, 8/28	Prototype IVP, discretization, and the Euler method	Problem #1 (Chapter 1)
F, 8/30	Euler's Method Present assigned problems	Homework # 1 assigned
Week 2		
M, 9/2	Labor Day holiday	Read Lab # 1
W, 9/4	Numerical examples	Problems #2,4 (Chapter 1)
F, 9/6	Finish Chapter 1 Present assigned problems	**Homework # 1 due**
Week 3		
M, 9/9	Taylor series methods, methods from quadrature rules	Homework # 2 assigned Read Lab # 2
W, 9/11	Methods from interpolation, Runge-Kutta methods	**Lab # 1 due** Problems #1,2 (Chapter 2)
F, 9/13	Multistep methods Present assigned problems	
Week 4		
M, 9/16	Systems	
W, 9/18	Stability & stiff systems	**Homework # 2 due** Problems #1,2 (Chapter 3)
F, 9/20	Stability & stiff systems Present assigned problems	

Computer Labs

Week 1	Check-in between 9-11	no assignment to turn in
Week 2	Lab # 1 (1 week)	Using Euler's method to model population growth
Week 3	Lab # 2 (1 week)	Writing a family of RK methods
Week 4	Lab # 3 (1 week)	Modeling spread of a virus