

August 2003 - September 2003

August 2003							September 2003						
S	M	T	W	T	F	S	S	M	T	W	T	F	S
					1	2		1	2	3	4	5	6
3	4	5	6	7	8	9	7	8	9	10	11	12	13
10	11	12	13	14	15	16	14	15	16	17	18	19	20
17	18	19	20	21	22	23	21	22	23	24	25	26	27
24	25	26	27	28	29	30	28	29	30				
31													

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
August 17	18	19	20	21	22	23
24	25	26	27	28	29	30
	Semester begins	<1> LECTURE PS1 OUT 1. INTRODUCTION 1.1 Motivation		<2> LECTURE 1.2 Analytical and Numerical Solution 1.3 Approximations and Errors (Mathcad Basic Operations)		
31	September 1	2	3	4	5	6
	No Classes -- Labor Day	<3> LECTURE * PS1 DUE *, PS2 OUT 2. ROOTS OF EQUATIONS 2.1 Introduction 2.2 Bisection Method 2.3 False-Position Method		<4> COMPUTER CLUSTER		
7	8	9	10	11	12	13
	Course Add Deadline	<5> LECTURE 2.4 Newton-Raphson Method 2.5 Secant Method		<6> LECTURE * PS2 DUE *, PS3 OUT 2.6 Multiple Roots		
14	15	16	17	18	19	20
Study for QUIZ 1 ==>		*** <7> QUIZ 1 *** Q1: Lectures <1> -- <6> Q1: Problem Sets 1 and 2		<8> LECTURE * PS3 DUE *, PS4 OUT 3. LINEAR ALGEBRAIC EQUATION 3.1 Introduction 3.2 Gauss Elimination		

September 2003 - October 2003

September 2003							October 2003						
S	M	T	W	T	F	S	S	M	T	W	T	F	S
	1	2	3	4	5	6			1	2	3	4	
7	8	9	10	11	12	13	5	6	7	8	9	10	11
14	15	16	17	18	19	20	12	13	14	15	16	17	18
21	22	23	24	25	26	27	19	20	21	22	23	24	25
28	29	30					26	27	28	29	30	31	

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
September 21	22	23	24	25	26	27
		<9> LECTURE 3.3 LU-Decomposition	(24-351 Dynamics Quiz)	<10> LECTURE * PS4 DUE *, PS5 OUT 3.4 Gauss Seidel		
28	29	30	October 1	2	3	4
		<11> LECTURE 4. OPTIMIZATION 4.1 Introduction		<12> LECTURE * PS5 DUE *, PS6 OUT 4.2 1D Unconstrained Optimization (24-322 Heat Transfer Quiz)		
5	6	7	8	9	10	11
		<13> LECTURE 4.3 2D Unconstrained Optimization		<14> LECTURE * PS6 DUE *, PS7 OUT	Family Weekend	
12	13	14	15	16	17	18
Family Weekend Study for QUIZ 2 ==>>		*** <15> QUIZ 2 *** Q2: Lectures <8> -- <14> Q2: Problem Sets 3, 4, 5, and 6		<16> LECTURE * PS7 DUE *, PS 8 OUT 5. CURVE FITTING 5.1 Introduction 5.2 Least Square Regression	No Classes -- Mid Semester Break	
19	20	21	22	23	24	25
	Mid-Term Grade Due 4:00PM	<17> LECTURE 5.3 Newton Interpolation Polynomials		<18> LECTURE * PS8 DUE *, PS9 OUT 5.4 Splines		

November 2003

November 2003							December 2003						
S	M	T	W	T	F	S	S	M	T	W	T	F	S
2	3	4	5	6	7	8	7	8	9	10	11	12	13
9	10	11	12	13	14	15	14	15	16	17	18	19	20
16	17	18	19	20	21	22	21	22	23	24	25	26	27
23	24	25	26	27	28	29	28	29	30	31			
30													

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
October 26	27	28	29	30	31	November 1
	(24-351 Dynamics Quiz)	<19> LECTURE 5.5 Lagrange Interpolation Polynomials		<20> LECTURE * PS9 DUE *, PS10 OUT 6. NUMERICAL INTEGRATION 6.1 Introduction 6.2 Newton-Cotes Integration Formulas		
2	3	4	5	6	7	8
	Course Drop, Pass/Fail Deadline	<21> LECTURE 6.3 Numerical Differentiation (24-322 Heat Transfer Quiz)		<22> LECTURE * PS10 DUE *, PS11 OUT 7. ORDINARY DIFFERENTIAL EQUATION 7.1 Introduction 7.2 Euler's Method		
9	10	11	12	13	14	15
Study for QUIZ 3 ==>		*** <23> QUIZ 3 *** Q3: Lectures <16> -- <22> Q3: Problem Sets 7, 8, 9, and 10		<24> LECTURE * PS11 DUE *, PS12 OUT 7.3 Runge-Kutta Methods		
16	17	18	19	20	21	22
	Spring Registration Week	<25> LECTURE 7.4 Rounday-Value and Eigen Problems		<26> LECTURE * PS12 DUE *, PS13 OUT 8. PARTIAL DIFFERENTIAL EQUATION 8.1 Introduction		
23	24	25	26	27	28	29
		<27> LECTURE 8.2 Elliptic Equations		No Classes -- Thanksgiving		

December 2003

December 2003							January 2004						
S	M	T	W	T	F	S	S	M	T	W	T	F	S
	1	2	3	4	5	6			1	2	3		
7	8	9	10	11	12	13	4	5	6	7	8	9	10
14	15	16	17	18	19	20	11	12	13	14	15	16	17
21	22	23	24	25	26	27	18	19	20	21	22	23	24
28	29	30	31				25	26	27	28	29	30	31

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
November 30	December 1	2	3	4	5	6
		<28> LECTURE 8.3 Parabolic Equations		<29> LECTURE * PS13 DUE * Course Summary Review for QUIZ 4	Last Day of Classes	
7	8	9	10	11	12	13
Study for QUIZ 4 ==>	Final Exams *** QUIZ 4 *** Q4: Lectures <24> -- <29> Q4: Problem Sets 11, 12, 13			Final Exams ANSYS Web Tutorial Due 3:00PM		
14	15	16	17	18	19	20
	Final Exams			Final Grade Due 4:00PM		
21	22	23	24	25	26	27
28	29	30	31	January 1, 2004	2	3