

AerE 661 Class Schedule – Fall 2003

Week	Date	Class	Topic
1	8/25 M	Lec	Introduction
	8/27 W	Lec	Basics asymptotic methods – scaling
	8/29 F	Lec	Basics asymptotic methods – scaling
2	9/1 M	No Class	University Holiday (Labor day)
	9/3 W	Lec	Basic asymptotic methods – expansions
	9/5 F	Lec	Basic asymptotic methods – expansions
3	9/8 M	Lec	Matched asymptotics – basic example
	9/10 W	Lec	Matched asymptotics – basic example
	9/12 F	Lec	Matched asymptotics – basic example
4	9/15 M	Lec	Matched asymptotics – hodograph
	9/17 W	Lec	Matched asymptotics – multilayer
	9/19 F	Lec	Matched asymptotics – interior layer
5	9/22 M	Lec	Matched asymptotics – interior layer
	9/24 W	Lec	Matched asymptotics – corner layer
	9/26 F	Lec	Matched asymptotics – corner layer
6	9/29 M	Lec	Matched asymptotics – PDE problem
	10/1 W	Lec	Matched asymptotics – PDE problem
	10/3 F	Lec	Matched asymptotics – PDE problem
7	10/6 M	Lec	Multiple scales – basic example
	10/8 W	Lec	Multiple scales – basic example
	10/10 F	Exam	Midterm Examination
8	10/13 M	Lec	Multiple scales – basic example
	* 10/15 W	Lec	Multiple scales – basic example
	10/17 F	Lec	Multiple scales – primary resonance
9	10/20 M	Lec	Multiple scales – primary resonance
	10/22 W	Lec	Multiple scales – primary resonance
	10/24 F	Lec	Multiple scales – boundary layer problem
10	10/27 M	Lec	Multiple Scales – Homogenization
	10/29 W	Lec	Multiple Scales – Homogenization
	10/31 F	Lec	Solvability conditions and adjoint equations
11	11/3 M	Lec	Solvability conditions and adjoint equations

	11/5 W	Lec	Solvability conditions and adjoint equations
	11/7 F	Lec	Applications – Nonlinear waves and solitons
12	11/10 M	Lec	Applications – Nonlinear waves and solitons
	11/12 W	Lec	Applications – Nonlinear waves and solitons
	11/14 F	Lec	Applications – Nonlinear waves and solitons
13	11/17 M	Lec	Applications – Nonlinear waves and solitons
	11/19 W	Lec	Applications – Internal resonance
	11/21 F	Lec	Applications – Internal resonance
14	11/24 M	No Class	Thanksgiving Recess
	11/26 W	No Class	Thanksgiving Recess
	11/28 F	No Class	Thanksgiving Recess
15	12/1 M	Lec	Applications – Internal resonance
	12/3 W	Lec	Applications – Internal resonance
	12/5 F	Lec	Applications – Internal resonance
16	12/8 M	HW	Homework due on Monday December 10th
	12/10 W	Lec	Review for Final Examination
	12/12 F	Lec	Review for Final Examination
17	12/15 M		Final Exam Week
	12/17 W		Final Exam Week
	12/19 F		Final Exam Week

* – midterm reports due.