Course:	**Math 714—Applied Mathematics**
Time:	Fall 2002, 5:35-6:50 TTh, 372 JB
Instructor:	Tom DeLillo, 348 JB, 978-3974(office), 264-7806(home)
Email:	delillo@math.twsu.edu
Office hours:	11:00-12:00 WF, or by appointment

Text: G. B. Arfken and H. J. Weber, *Mathematical Methods for Physicists,* Fifth Edition (2001) Academic Press.

Syllabus (approximate, not necessarily in order)

Chapters (selected sections)	weeks
1, 2, 3 Vector Analysis and Matrices (as needed)	2
6, 7 Complex Variables (as needed)	2
8 Differential Equations	1
9 Sturm-Liouville Theory	1
11 Bessel Functions	3
12 Legendre Functions	3
4 Group Theory	3

Grading (approximate)

Homework (collected at least once a week)	200 points
Exam I	100
Exam II	100
Final on entire course	100
	500 points total

Attendance policy, etc.: It is crucial to attend class. I will skip around in the text and develop topics as needed. No more than two unexcused absences are allowed. I will pass around an attendance sheet during each class.

Important dates:

Fall break: 10/20–10/22.
Last day to drop with a “W”: 11/4.
Thanksgiving Recess 11/27–12/1.
Last day of class: 12/12.
Study Day: 12/13 (possible makeup class.)
Final exam: Tuesday 12/17, 5:40–7:30 PM, in classroom.