Instructor: Andrew Sommese
291 Hurley
Phone: 631-6498
email: sommese@nd.edu
Class Time/Place: Tuesday & Thursday 9:30 to 10:45 in Hayes Healy 229
Class Website: www.nd.edu/~sommese/math09F690

Office Hours: Open Door: I am in my office almost all of every weekday, and encourage
you to visit any time. If you just come to my office you will probably find me, but if you
set up a time with me before hand, then you can be sure that I will be there.

Examinations, homework, and grades: There will be two examinations worth 100 points
and a final examination worth 150 points. One or both of the two nonfinal examinations
will be take home. The final exam will be a two hour exam covering all the material of
the course with emphasis on the material covered after the second exam.

Homework is an integral part of the course. Typically I will give assignments on
Thursday and collect them the following Thursday. I strongly encourage you to see me
if there is anything connected with the course or the mathematics in the course that you
are unclear on or would like to know more about.

Both examinations and the homework are conducted under the honor code. While
cooperation in doing homework is permitted (and in fact encouraged), copying is not.

Homework will be worth 100 points. The total number of possible points for the
semester is 450. The numerical break points for letter grades (A, A-, B+,...) will be
based only on the test scores and the homework.

We will follow the books

E. Isaacson and H.B. Keller, Analysis of Numerical Methods, Dover, 1994;
and
L.N. Trefethen and D. Bau, Numerical Linear Algebra, Society of Industrial

which are available at the Notre Dame Bookstore.

Implementation and comparison of algorithms solving the same problem are of basic
importance in numerical analysis (and a lot of fun also). We will use Maple for this
purpose.

Exam 1: Thursday, October 1.
Exam 2: Tuesday, November 24.
Final: time and place will be announced.

The most recent version of this handout plus other useful materials can be found at
www.nd.edu/~sommese/math09F690.