

**UNIVERSITY OF NOTRE DAME**  
**Department of Civil Engineering**  
**and Geological Sciences**

**CE 341 / CE 441**  
**J.J. Westerink**

**Fall 2004**

Course: CE 341/441 - Numerical Methods in Engineering  
CE 341 2:00-3:15PM. Tu, Th, DeBartolo 125  
CE 441 12:30-1:45PM. Tu, Th, DeBartolo 125

Instructor: Professor J.J. Westerink  
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Office Hours: M,W 12:30-1:30PM

Graduate Assistants: Paul Miller  
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Office Hours: Tu 5:00-7:00PM  
Jay Grossman  
114b Cushing (Computational Hydraulics Laboratory)  
e-mail: ([jgrossma@nd.edu](mailto:jgrossma@nd.edu))

Office Hours: Tu, Th 3:15-4:15 PM

Notes: All class notes are posted on the web at [www.nd.edu/~jjwteach](http://www.nd.edu/~jjwteach) and are available in color in pdf as well as postscript formats. I suggest that you print them out prior to class so that you can add your own notes as well as use them for the in class problems.

|         |                             |                |
|---------|-----------------------------|----------------|
| Grades: | 2 - one hour in class exams | 40% (20% each) |
|         | Homework                    | 10%            |
|         | Project                     | 10%            |
|         | Final Exam                  | <u>40%</u>     |
|         |                             | 100%           |

Class: If you have questions during or outside of class, please feel free to ask me. An interactive class is a significant benefit.

Homework: Reading assignments should be completed before class. The attached course schedule gives the reading assignments. Problems are assigned on Thursdays and collected on the following Thursday. Some homeworks which involve more lengthy programming exercises will be worth double the regular homeworks. Since you are all training to be engineers, we should convey our ideas and solutions clearly and accurately as is they were being presented to a client. The following guidelines apply to homework:

- a) Homework is due at the beginning of class.
- b) Use only one side of the paper.
- c) The paper must be 8 1/2" × 11", loose leaf engineering paper.