

## EAS 230 Engineering Computations

This course covers basic C++ programming, some numerical methods, and programming in Matlab.

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### Course materials:

1. Book (a DVD) Available in the Bookstore:  
Introduction to C++, Excel MATLAB® & Basic Engineering Numerical Methods V 1.1  
Harvey G. Stenger, University at Buffalo  
Charles R. Smith, Lehigh University  
ISBN-10: 0136120245  
ISBN-13: 9780136120247  
Contains: Dev-C++ Compiler, Narrated Lectures, Examples, Exercises, Problems, Text, Projects
2. Course website:  
Must register for course website at: <http://www.ubeas230.net>  
Website registration closes on 10<sup>th</sup> day of class  
The website has the following course materials that are not on the DVD:
  - the course calendar
  - the assignments for the current semester
  - course management tools
    - your grades
    - the assignment drop box
    - the course guidelines
    - attendance taker
    - instructor and section information

*Other software needed for course:*

Excel, Word, MATLAB (at UB Micro for purchase or available for free in public sites)

### Lectures:

Highly beneficial to attend, does not repeat the material presented on the DVD, short unannounced quizzes will be given in lecture.

### Recitations/Labs:

Teaching Assistants and Section information on website

Attendance is taken and is required until after the first exam.

Points deducted for more than two absences

If grade average is greater than or equal to 90.0 % after the first exam, attendance at Recitation/Labs is optional.

Doing the exercises before going to recitation/lab is encouraged.

Doing the exercises is critical to success in EAS 230

### Syllabus

See **Calendar** on [ubeas230.net](http://ubeas230.net) site menu bar (must first register with website).

### Guidelines:

*Grading Policies:* Click **Guidelines** on [ubeas230.net](http://ubeas230.net) site menu bar (after logging in to site)

*Academic Integrity:* Click **Guidelines** on [ubeas230.net](http://ubeas230.net) site menu bar (after logging in to site)

*Grade Keeping:* Click **GradeKeeper** on front page of [ubeas230.net](http://ubeas230.net) (after logging in to site)

### Assignments:

Click **Assignments** on [ubeas230.net](http://ubeas230.net) site menu bar (after logging in to site)

Are turned in at the Dropbox: Click **Dropbox** on [ubeas230.net](http://ubeas230.net) front page (after logging in to site)

Don't forget the EAS230 Box in all of your assignments.