

<p><b>MAP 2480 - Biocalculus Computer Lab</b>          Fall 2007 - Course Syllabus          Course Material Available on  <a href="http://campus.fsu.edu">BlackBoard (http://campus.fsu.edu)</a></p>	<p>Section 03          107 HTL          Tu 5:15pm - 6:40pm</p>
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### *Instructor and Lab Assistants*

<b><i>Instructor</i></b>	Dr. Steve Bellenot Office: 223 LOV    Email: <a href="mailto:bellenot@math.fsu.edu">bellenot@math.fsu.edu</a> Phone: Use Email Webpage: <a href="http://www.math.fsu.edu/~bellenot">http://www.math.fsu.edu/~bellenot</a>	
<b><i>Lab/Teaching Assistants</i></b>	Xin Cui Office: TBA Email: <a href="mailto:xcui@math.fsu.edu">xcui@math.fsu.edu</a> Phone: Use Email	Paul Stewart Office: TBA Email: <a href="mailto:pstewart@math.fsu.edu">pstewart@math.fsu.edu</a> Phone: Use Email
<b><i>Course Coordinator</i></b>	Dr. Monica K. Hurdal Office: 002-A LOV    Phone: 644-7183 (office) Email: <a href="mailto:mhurdal@math.fsu.edu">mhurdal@math.fsu.edu</a> Webpage: <a href="http://www.math.fsu.edu/~mhurdal/">www.math.fsu.edu/~mhurdal/</a>	
<b><i>Office Hours</i></b>	Help sessions in the Lab will be announced in class and posted on <a href="#">BlackBoard</a> .  Dr. Hurdal also has office hours on Wednesdays 2:00-3:00pm in her office (002-A LOV). Please check the course web site for updates to these times. Alternatively, meetings can be arranged by appointment with any of the above people.	

### *Course Information*

<b><i>Eligibility / Prerequisites</i></b>	MAC 2311 (Calculus I) is a corequisite for this course. This means that you must be taking MAC 2311 while taking this course or you must have passed MAC 2311 with a grade of C- or better or received credit for courses equivalent to MAC 2311.
<b><i>Text</i></b>	There is no text for this course. All materials will either be available in class or can be downloaded from the course web page on <a href="#">BlackBoard</a> . Your MAC 2311 (Calculus I) textbook is required. It is recommended that you purchase a student version of Matlab software from the University Bookstore so you can work on the lab material at home if you wish. This software is something that you will be able to use in other courses and the student price is very inexpensive as compared to the non-student price and is comparable to the price of a textbook.
<b><i>Software Availability</i></b>	The software used in this course is called MatLab. MatLab is available the following University Public Computer Labs: Oblesby Union Lab (202 OGC) and the Carothers Computer Lab (MCH 315). It is not available in the Strozier Library Computer Lab. Please click on <a href="#">FSU User Services</a> for more information regarding the location and availability of Public Labs.

<b><i>Course Information</i></b>	
<b><i>Course Objectives</i></b>	<p>This course is designed to introduce students to topics in computational and mathematical biology. Problems in biology, medicine and physiology are used to illustrate how computation and mathematics can improve and enhance the understanding of these problems. The purpose of this course is:</p> <ul style="list-style-type: none"> <li>- to improve student's use of technology and computers</li> <li>- to introduce students to topics in computational and mathematical biology</li> <li>- to use techniques from Calculus I to analyze and solve problems in biology</li> <li>- to introduce students to the MatLab programming software</li> <li>- to help students better understand the material taken in Calculus I and its applications in biology.</li> </ul>
<b><i>Course Content</i></b>	<p>This course consists of weekly laboratories that will be completed in class and homework that will be due at the beginning of class. These laboratories will review Calculus I material and apply calculus methods to problems in biology.</p>
<b><i>Grading</i></b>	<p>A lab report will be due for each lab. 70% of your grade comes from the lab reports, with each report weighted equally. 20% of your grade comes from homework that precede each of the labs, with each homework weighted equally. 10% of your grade comes from class attendance and participation. Your worst lab grade will be dropped from your lab average and your worst homework grade will be dropped from your homework average. There will be no final exam in this course. Letter grades will be determined from numerical grades as follows. A: 90-100; B: 80-89; C: 70-79; D: 60-69; F: 0-59. Plus or minus grades may be assigned in a manner consistent with standard University practice. A grade of I will not be given to avoid a grade of F or to give additional study time. Failure to process a course drop will result in a course grade of F.</p>
<b><i>Labs</i></b>	<p>This lab meets for 1.5 hours every week. Labs may be able to be completed in class, or you may have to finish your lab report outside of class. Lab reports are due the following lab period at the beginning of class. Typed reports are to be submitted. Labs are worth 70% of your final grade. Your worst lab will be dropped from your lab average. A missed lab will act as your worst lab. The instructor and teaching assistants are available during office hours or by appointment to assist with questions or problems. Please make sure you bring any computer files with you when you arrange to meet.</p>
<b><i>Homework</i></b>	<p>There will be homework preceding each of the labs based on reading material assigned a few days before the lab. Homework is worth 20% of your final grade. Your worst homework will be dropped from your homework average. A missed homework will act as your worst homework.</p>
<b><i>Class Participation and Attendance</i></b>	<p>10% of your lab grade will be based on attendance and participation. Parts of the labs will require class participation. You are encouraged to participate in the lab. Parts of the labs are self-directed work. Students are encouraged to discuss things or ask questions during these sections of the labs.</p>

<b><i>Course Information</i></b>	
<b><i>Exam Policy</i></b>	Makeup homework and labs will not be given. Late homework and lab reports will not be accepted. A missed homework or lab report may be excused if the student presents sufficient verifiable evidence of acceptable extenuating circumstances. If a lab absence is excused, then the missed lab will need to be completed as soon as possible as agreed upon between the student and instructor. An unexcused absence from a lab or homework will result in a grade of zero. Absences from labs due to family social events will not be excused. Acceptable medical excuses must state explicitly that the student should be excused from class.
<b><i>Attendance</i></b>	You are required to attend every laboratory. A student absent from a lab bears the full responsibility for all subject matter and procedural information discussed in class. Missed classes will affect your participation grade.
<b><i>Courtesy</i></b>	You are expected to get to class on time. As the lab work will be self-paced, you can leave class when you have finished the lab and submitted your report. Try not to disturb others when leaving.
<b><i>Math HelpCenter</i></b>	The Math Help Center is located in 110 MCH (Milton Carothers Hall) next door to the Love Building. The hours of operation will be announced when they are available.
<b><i>Honor Code</i></b>	A copy of the University Academic Honor Code can be found in the current Student Handbook. You are bound by this in all of your academic work. It is based on the premise that each student has the responsibility 1) to uphold the highest standards of academic integrity in the student's own work, 2) to refuse to tolerate violations of academic integrity in the University community, and 3) to foster a high sense of integrity and social responsibility on the part of the University community. Specifically, incidents of plagiarism of any type or referring to any unauthorized material during examinations will be rigorously pursued. Before submitting any work for this class, please read the " <a href="#">Academic Honor System</a> " in its entirety (as found in the <a href="#">FSU General Bulletin</a> and in the <a href="#">FSU Student Handbook</a> ) and ask me to clarify any of its expectations that you do not understand. You have successfully completed many mathematics courses and know that on a "test" you may not give or receive any help from a person or written material except as specifically designed acceptable. Out of class you are encouraged to work together on assignments but plagiarizing the work of others or study manuals is academically dishonest.
<b><i>ADA statement</i></b>	Students with disabilities needing academic accommodations should: 1) register with and provide documentation to the Student Disability Resource Center (SDRC); 2) bring a letter to the instructor from SDRC indicating you need academic accommodations. This should be done within the first week of class. This and other class materials are available in alternative format upon request.

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