INSTRUCTOR: Dr. Dana L. Price  
OFFICE HRS: T 1-4, W 3-4 or by appointment  
OFFICE: HS 234  
EMAIL: dlprice@salisbury.edu (preferred form of communication)  
2. Biology 210 Fall 2012 Course Packet. Both are required and will be heavily used in this course. The course packet should be placed in a binder and brought to every class meeting.  

ONLINE MATERIAL: Access to MyClasses from a secure campus connection  
Access to McGraw-Hill Connect from a secure campus location (you will need a code purchased with the textbook—see the SU bookstore representatives for more info)  
Regular access to your SU e-mail  

COURSE SCHEDULE  
See separate course schedule posted on MyClasses.  

COURSE DESCRIPTION:  
This course serves as an introduction to the biology department, faculty and facilities, but has two overall goals: (1) To introduce you to the big concepts in biology. (2) To give you practice and guidance in basic skills that are essential to biologists. These include, but are not limited to: personal responsibility and organization, thinking at higher cognitive levels, understanding and using the scientific method, familiarity with basic lab techniques, measuring, graphing, working collaboratively, writing, presenting, and reading the primary literature.  

COURSE DESIGN:  
The “studio style” of the course is designed to be flexible, dynamic, and engaging—it is not a traditional lecture or lab course. In class we will do experiments, have discussions, and solve problems in groups, among other activities. The other half of the coursework will be performed outside of class through research, readings and on-line assignments. The on-line component of the course is organized in modules in MyClasses, one per week, each including readings from the book, study guides, links to activities and tutorials on McGraw-Hill Connect and elsewhere, and an on-line quiz. Timely completion of the online materials is essential to success in this course. The majority of the lab activities are group based, so I recommend becoming familiar with and having contact information for your group within the first two weeks of class.  

STUDENT ASSESSMENT  

MCGRAWHILL CONNECT ACTIVITIES (75 pts):  
McGraw-Hill Connect activities are available online and will be accessed through the MyClasses course site. You are allowed to take and retake the assignments as many times as you wish, with the highest grade counting towards your final total. All assigned animations, interactive questions and web assignments relevant to the exam material are due on the Wednesday of each Exam week by 5:00 pm. These activities should be completed BEFORE taking your MyClasses Quiz at the end of each topic.  

MYCLASSES ONLINE QUIZZES (120 PTS):  
These weekly online quiz questions will be completed in MyClasses. Each quiz is worth 10 points (13 total), and the lowest grade will be dropped. The questions will focus on the text readings, the study guide, and the online lessons in both MyClasses and Connect and will prepare you for the class activities during the upcoming week. You will have 10 minutes to complete the quiz and the deadline for each quiz is each Monday at 9:00 AM.  

DISCUSSIONS OF PRIMARY LITERATURE (60 pts):  
Primary science articles are an important part in the life of a scientist. In Biology 210 you will be reading and discussing original research articles. The goal is not 100% comprehension, but beginning to learn how to read scientific writing and how to interpret data. The papers will be posted in MyClasses. You will read and discuss 3 scientific papers (20 points each). We will review all the criteria for this discussion in class.
ASSIGNMENTS (80 pts):
There will be four assignments throughout the semester, and each is worth 20 pts. The assignments will be done outside of class and turned in at the beginning of class. The assignments have a strictly enforced deadline. A zero will be given to those that are late.

1. Assignment #1 - Protein Standard Curve
   You will create a standard curve in Excel based on the data from the "Determining an Unknown Protein Concentration" activity in your course packet. The concentration of the unknown should be calculated using the equation of a line that you generate. Insert a clear figure description under the graph. We will review all the criteria for the graph in class.

2. Assignment #2 – Organelle Worksheet
   The goal of this assignment is to understand the connection between structure and function in cellular organelles and to have a functional study guide for Exam #1. We will review the criteria for this assignment in class.

3. Assignment #3 – Genetics Problems
   Do the genetics problems in the course packet. Ensure you show all calculations. We will review sample problems in class before the assignment is due.

4. Assignment #4 – Hardy Weinberg Problems
   Do the Hardy Weinberg Problems in the course packet. Ensure you show all calculations. We will review sample problems in class before the assignment is due.

FIELD TRIP (20pts):
Our Course Field Trip to Assateague Island National Seashore is on < Saturday April 27th >
This ALL DAY field trip is mandatory and will be worth 20 points of your final grade, so indicate if you have an academic conflict to your instructor within the first 2 weeks of class to discuss an alternate assignment. You will not be eligible for an alternate activity after this time. Attendance and participation will be considered when determining your grade. Plan ahead and dress appropriately: it is a great experience when you get involved in outdoor activities. Further instructions will be given during the semester.

SEMINAR ATTENDANCE (20 pts):
You must attend at least two seminars (one by March 15th, the other by May 9th) presented in the Biological Sciences Department (see document “Seminar Attendance Guidelines” in the Course Documents folder on MyClasses). The seminars occur on Thursdays from 4:00-5:00. The topics and location can be found on the departmental website http://faculty.salisbury.edu/~kxhunter/biology_seminars.html
If you have a conflict that prevents attendance, see me within the first two weeks of the course. We will review the criteria for seminar attendance in class.

EXAMINATIONS (300pts):
There are two exams and a final each worth 100 points. Exams will consist of multiple choice, short answer, and essay questions. While exams are not cumulative, students will be expected to recall, synthesize, interpret and apply information acquired from lectures, labs, and readings. Graded exams may be viewed in class or during office hours (students do not keep graded exams-failure to return the exam to the instructor before leaving class will result in a zero “0” grade for that exam). Questions on or challenges to exam questions must be presented to the instructor within one week of the day on which exams are returned. All grades will be considered final at that time. Only credible reasons (accompanied by written evidence) will be considered (up to the instructor’s discretion) if an exam is missed. The content and set-up of a make-up exam will differ from the in-class version.

IN-CLASS QUIZZES, BINDER CHECKS, ETC… (75 pts):
Your performance in this course will be assessed in multiple ways (in addition to the previous list) i.e. in-class quizzes, further in-class and out-of-class assignments, notebook checks. In-class quizzes will be unannounced and may include material from the textbook, class discussions, and lab activities. Always be prepared for a quiz. You will keep a binder of your work throughout the semester, which will contain the course packet, completed study guides, completed pre-lab and post-lab questions and any other assignments. Random unannounced binder checks will occur-material in your binder will be reviewed and graded based on thoroughness and accuracy.
ASSESSMENT SUMMARY

<table>
<thead>
<tr>
<th>Graded course components</th>
<th>Point value</th>
<th>Percentage</th>
<th>Points*</th>
<th>Final Grade</th>
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<tbody>
<tr>
<td>Three exams at 100 pts each</td>
<td>300</td>
<td>90 – 100</td>
<td>675 - 750</td>
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<tr>
<td>Assignments (4 for 20 pts each)</td>
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<td>80 – 89</td>
<td>600 - 674</td>
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<tr>
<td>Discussions (3 for 20 pts each)</td>
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<td>70 – 79</td>
<td>525 - 599</td>
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<tr>
<td>Seminars – Attend 2 (10 pts each)</td>
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<td>60 – 69</td>
<td>450 - 525</td>
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<tr>
<td>McGraw Hill Connect Activities</td>
<td>75</td>
<td>0 – 59</td>
<td>0 - 449</td>
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<tr>
<td>Online Quiz (13@10 pts each, drop one)</td>
<td>120</td>
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<tr>
<td>In Class Quizzes, Notebook Check etc.</td>
<td>75</td>
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<tr>
<td>Field Trip (Assateague – 20 pts)</td>
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<td><strong>Total</strong></td>
<td><strong>750</strong></td>
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SUPPLEMENTAL DOCUMENTS
Supplemental documents e.g. assignment guidelines, study materials, group results etc. will be discussed in class and then posted in MyClasses. Students are responsible for printing copies of these documents on their own. Early familiarity with and frequent visits to the MyClasses and McGraw Hill Connect sites are strongly recommended. The text is the preferred source of course content (avoid visits to other, non credible sites e.g. Wikipedia).

COURSE POLICIES

CLASSROOM ETIQUETTE:
No eating or drinking is allowed in the laboratory classroom. Put bags in the cubbies at the entrance. Cell phones etc. must be silenced and not be visible during class (if you are found violating this rule, 10 points will be deducted from your total point value). Be respectful of your instructor and peers e.g. different perspectives on a topic, no talking while your instructor is speaking to the class. We will review the contents of and you will be asked to sign a "Student Safety Agreement" on MyClasses before doing any lab activities to ensure that you become familiar with the principles of appropriate lab conduct.

ATTENDANCE:
Attendance is expected and will be monitored. Each student is allowed one unexcused absence without penalty. For the second and each subsequent, unexcused absence, a student will lose 10 points. Coming to class late or leaving early WILL count as an absence! Credible, written evidence supporting an absence may be considered and is up to the individual instructor to evaluate. You are responsible for any material or assignments missed during an absence. There will be no makeup lab activities. University Absence Notification Policy: “In the case of an extreme emergency or prolonged illness, the Student Affairs Office notifies class instructors of the dates of a student’s absence from class. Faculty establish their own attendance policy. Notification of absence is a service to students and faculty; it is not an official excuse from classes and work missed.” If a serious emergency arises, contact the Student Affairs Office so that they can alert your professors.

STUDENTS WITH DISABILITIES:
Any student who feels that s/he may require an accommodation in this course, based on the impact of a disability, should contact me as soon as possible to arrange for a meeting to coordinate any and all accommodations. Any student who wishes to contact the Office of Student Disability Support Service for further information should do so by calling 410-548-4503 or by visiting the office in Guerrieri University Center, Room 256.

ACADEMIC INTEGRITY:
The University guidelines concerning academic honesty, as explained in the Undergraduate Catalog and Student Handbook, will be strictly enforced. Any student found engaging in academic misconduct (cheating, plagiarizing, etc.) will be given a 0 for the assignment, reported to the appropriate University authorities, and dealt with as described in the student handbook. Some circumstances may involve receiving an F and expulsion from the course. Be careful NOT to plagiarize when completing notebook activities and on-line assignments! If you are unsure of what – exactly – comprises plagiarism, see http://turnitin.com/research_site/e_what_is_plagiarism.html for an explanation and examples. Salisbury University contracts with Turnitin for plagiarism detection and deterrence in support of The Salisbury Promise and academic integrity policy. As a condition of participating in this course, all required papers may be subject to submission for textual similarity review and plagiarism detection through Turnitin. All papers submitted to Turnitin will be included as source documents in the Turnitin reference database solely for the purpose of detecting plagiarism consistent with fair use principles under federal copyright law. You will be asked to directly submit certain written course requirements through MyClasses. No student assignments will be submitted by the instructor or Salisbury University without the student’s prior written FERPA consent.
USE OF COURSE MATERIAL:
All the course materials that your instructor creates and distributes (including lectures) are considered his/her original works and thus protected by federal copyright law. You are permitted to take notes of lectures and to possess course materials for your own use. You may not record (audio or visual) lectures without instructor consent. You may not publicly distribute or display (or allow anyone else to publicly display or distribute) these course materials or lecture notes without instructor permission. Notes from this course may be shared at your discretion with another student who is currently enrolled in the course. It is against federal copyright law to share materials from this course for compensation.

WRITING ACROSS THE CURRICULUM:
At the University Writing Center at Herb’s Place (Guerrieri University Center, Room 206), trained consultants are ready to help you at any stage of the writing process. It is often helpful for writers to share their work with an attentive reader, and consultations allow writers to test and refine their ideas before having to hand papers in or to release documents to the public. In addition to the important writing instruction that occurs in the classroom and during teachers’ office hours, the center offers another site for learning about writing. All undergraduates are encouraged to make use of this important student service. For more information about the writing center’s hours and policies, visit the Writing Center or its website at http://www.salisbury.edu/uwc/.

CLOSING DUE TO INCLEMENT WEATHER:
Information concerning University closure will be given to all local radio and television stations. Students can receive information concerning cancellations by listening to local stations or by calling the Gull Line at 410-546-6426. The institutional policy is that unless there are the direst circumstances, the institution will remain open for business. Students must exercise their best judgment about whether they attend class. Different conditions prevail for each individual under inclement weather situations, so the decision should be essentially an independent one.