LABORATORY POLICIES

BIO 141
Human Anatomy and Physiology I
4 Credits

INSTRUCTOR INFORMATION

Instructor:
Office Location:
Office Phone:
Office Hours:
Email Address:

ATTENDANCE
Regular attendance is expected. Please be on time. Students arriving more than ten minutes late will not be permitted in the laboratory. Attendance will be recorded each lab period. Those students who consistently come in late or leave early may not be given credit for attending lab. A student is responsible for knowing any material covered in the lab whether he/she was in attendance or not. Only one laboratory session may be missed without a grade penalty. Any additional absences should be discussed with the instructor to determine acceptability. Additional unexcused absences will result in a 5% grade reduction (per missed lab) on the corresponding lab exam.

MATERIALS
Required:

Recommended:

The student will be required to furnish his/her self with all materials necessary for the completion of the course material. These items include but are not limited to the following: course textbook, lab manual, recommended material, gloves (non-latex)*, goggles*, pens, and writing utensils.

*These items are required when working with preserved specimens, during dissection exercises, and other labs noted on the schedule.

Required material also includes five printouts located on the Alexandria Biology Laboratories webpage:
http://www.nvcc.edu/alexandria/science/s_biolab.htm
It is recommended that you print these documents out at the beginning of the semester to prevent internet connectivity issues from interfering with your studies.

EVALUATION
The laboratory grade is 30% of the course grade. Lab exams are used to evaluate your progress. A passing grade must be received in the laboratory in order to pass the course.

PRACTICALS (LAB EXAMS)
Five practicals (lab exams) will be given throughout the semester and will total 300 points. No unexcused makeup exams will be offered. Documented emergencies and extenuating circumstances will be considered. If the instructor is informed of the absence prior to the scheduled exam, arrangements may be made to take the exam at an alternative time designated by the instructor. A request made in writing must be made and the instructor should be left with phone numbers (work and home) to make such arrangements. Permission to take the exam will only be granted for legitimate reasons. No Exceptions.

If school is closed on the day a practical is scheduled, the evaluation will be given during the next lab session.
EXTRA CREDIT
Throughout the semester you may be assigned 0 to 30 points (maximum total) of extra credit to be applied to your laboratory grade. Assigned extra credit assignments may include but are not limited to pre- and post-lab quizzes, bonus exam questions, and topic review questions. Extra credit assignments will be assigned at the sole discretion of the instructor.

EQUIPMENT
All work surfaces must be kept clean and neat. Laboratory equipment and supplies must be properly used and maintained; a grade penalty may be imposed if not adhered to. This is especially important in the handling and maintaining of microscopes. Protective gloves and goggles must be purchased for dissection activities.

LABORATORY CONDUCT
Food and beverages are not permitted in the laboratory. Please turn off your cell phones, pagers, alarm watches, etc. during the laboratory session. A report of abusive behavior on the part of any student in working with the personnel in the Science Lab may result in the student receiving a “F” for the course.

Open toed shoes must not be worn in the laboratory. If the lab you are performing requires goggle, you must wear them. You will be dismissed from the laboratory for that day if you are not obeying the safety rules.

ACADEMIC HONESTY
Each student is expected to maintain the highest standards of honesty and integrity in academic matters. Cheating is a violation of professional ethics and college policy. Any student found cheating will result in an automatic failure of that assignment with possible expulsion from the course, after which NVCC reserves the right to take further disciplinary action. Cheating involves BOTH giving and receiving information that is to be carried out individually. Plagiarism is also considered cheating and includes (but is not limited to) copying your classmates’ work or published works without providing proper citations.

SPECIAL NEEDS
If you have special needs, problems and/or accommodations, please address these with me at the beginning of the session. If you are seeking accommodations based on a disability, you must provide a disability sheet, which can be obtained from the counselor for special needs, who is located in Room 229 of the Bisdorf building, telephone number 703.933.1840.

SCHOOL CLOSING AND EMERGENCY AND EVACUATION PLAN
In the event of inclement weather, please check the NVCC homepage for school closing information. If the college is scheduled to re-open at a time when at least 45 minutes of class would remain, you will be required to attend class.

A framed emergency evacuation plan is located near the door to the classroom. This plan describes the evacuation procedures and route that must be followed in case of emergency. If an event occurs that requires evacuation, do not use the elevators, and once outside move at least 300 feet away from the building. Before leaving you should take all personal belongings, as time permits, because there is no assurance that you will be allowed to return. I will assist any individual with mobility disabilities in exiting the building.

Instructor reserves the right to alter this document at his/her discretion during the semester.
LABORATORY SCHEDULE  
BIO 141  
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If weather conditions cause the cancellation of a lab that involves a quiz or practical, the evaluation will take place during the next lab period.

<table>
<thead>
<tr>
<th>Week</th>
<th>Date</th>
<th>Topic</th>
<th>Lab Exercises</th>
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| 1    | Jan 24-29  | Laboratory Policies/Schedule/Safety  
Anatomical language  
Organ systems and body cavities  
Metric System                | Printout from website  
Examine 1  
Examine 2  
Printout from website         |
| 2    | Jan 31-Feb 5 | Compound light microscope  
Cell structure and cell cycle | Examine 3  
Examine 4                        |
| 3    | Feb 7-12   | **Lab Exam 1 (25 pts)** – Week 1 and Ex. 3  
Transport across the plasma membrane  
Connective tissues  
Muscle & nervous tissues | Examine 5 and 6  
pp. 64-73  
pp. 74-77                     |
| 4    | Feb 14-19  | Epithelial tissues  
Integumentary system structure and function | Examine 6 pp. 55-63  
Examine 7                        |
| 5    | Feb 21-26  | **Lab Exam 2 (50 pts)** – Ex. 4 & Weeks 3, 4  
Bone structure and function  
Bone and secondary structure identification  
Axial skeleton | Examine 8  
Printout from website  
Examine 9                        |
| 6    | Mar 7-12   | **No Labs – Spring Break**                                          |                                                                              |
| 7    | Feb 28-Mar 5 | Appendicular skeleton  
Joints and synovial joint movements | Examine 10  
Examine 11                        |
| 8    | Mar 14-19  | **Lab Exam 3 (75 pts)**  
Skeletal Muscle Structure  
Skeletal Muscle identification  
Skeletal muscles and their actions | Examine 12  
Printout from website  
Examine 14                        |
| 9    | Mar 21-26  | Continue Skeletal muscles                                          |                                                                              |
| 10   | Mar 28-Apr 2 | **Lab Exam 4 (75 pts)**  
Blood vessel identification  
Blood components and blood tests | Examine 30,  
Printout from the website  
Examine 26                        |
| 11   | Apr 4-9    | Blood vessel structure and function  
Heart structure and function  
Cardiac cycle | Examine 29  
Examine 27  
Examine 28                        |
| 12   | Apr 11-16  | Respiratory system structure and function  
Pulmonary ventilation | Examine 32  
Examine 33                        |
| 13   | Apr 18-23  | **Final Exam (75 pts)**                                           |                                                                              |
| 14   | Apr 25-30  | TBA                                                                |                                                                              |