



BIO 1008 Anatomy & Physiology II

Course Syllabus

Sue Caley Opsal, Spring 2019

Meeting Times and Locations

Lecture: Tuesday and Thursday 1:00 - 1:50 p.m. in D-225 with Mrs. Opsal

Seminar: Seminars are on Mondays at 9:00, 10:00, 11:00 a.m., and 1:00 p.m. You are signed up for one of these times. The sections are numbered BIO-1007-01 through BIO-1007-07. Each seminar lasts 50 minutes. Mrs. Opsal's seminars are in room D-301 and Ms. Hartford's seminars are in D-322.

Lab: This course has multiple lab sections. Each lab meets for three hours in A-101.

Instructor Contact Information:

Lecture, Seminar, Lab: Sue Caley Opsal

Office: A-326 Phone: 815-224-0412

E-mail: Sue_CaleyOpsal@ivcc.edu

Seminar and Lab: Carmen Hartford

Office: A-315 Phone: 815-224-0321


E-mail: Carmen_Hartford@ivcc.edu

Lab Supervisor: LeeAnn Johnson

Office: A-310 Phone: 815-224-0308

E-mail: LeeAnn_Johnson@ivcc.edu

Prerequisites: BIO 1007 with a D or higher,
or THM 1206 or 1216 with a D or higher

	Mrs. Opsal Office Hours	Mrs. Opsal Lab Duty
MONDAY	12:00-12:50 p.m. 2:00-3:00 p.m.	
TUESDAY	12:00-12:50 p.m.	8:00-9:00 a.m.
WEDNESDAY	12:00-12:30 p.m.	8:00-9:00 a.m.
THURSDAY	9:00-11:00 a.m.	8:00-9:00 a.m.
FRIDAY	By appointment	

Required Course Materials

Note: Except for the lab and lecture notes packets, all course materials are the same ones used in BIO 1007 if taken at IVCC.

Bundled: (1) **Text:** VanPutte, Regan, & Russo. 2016. *Seeley's Essentials of Anatomy and Physiology*. 9th Ed. McGraw-Hill, Dubuque, IA., (2) **Lab Manual:** Wise, E. 2017. 11th Ed. *Seeley's Anatomy & Physiology Lab Manual*, and (3) **Connect Access**, which includes **Anatomy & Physiology Revealed (APR – used extensively)**. **NOTE:** An online access code is included with this bundle! Do not throw away!

Lab Checklist Packet: This packet lists specifically what lab material you are responsible for this semester. It is available in the IVCC bookstore.

Lecture PowerPoint Packet: Available in the IVCC bookstore. E-copies are also in Blackboard.

Communication: My door is always open to students. If you can't make it to my office, the best way to reach me is by e-mail or by phone. If you are absent, please send me an email detailing the date and which class (lecture, seminar, or lab) you are missing. You may also give me a handwritten note when you see me.

If you need assistance with technology, the staff in the Learning Commons, LRC-D, can help. You can also visit the MyIVCC page at the top of the college website: <http://www.ivcc.edu>

Expected Student Learning Outcomes:

- Understand the relationships that exist between form and function with reference to the study of human anatomy and physiology;
 - Relate the organ systems of the human body to their specific homeostatic functions;
 - Demonstrate laboratory skills in anatomical dissection (using the cat and human cadaver), microscopy, and scientific instrumentation;
 - Use the content of this course to prepare for more advanced work in anatomy and physiology
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COURSE DETAILS:

1. Attendance Policy: Attendance is taken during each class period. **I reserve the right to withdraw any student who accumulates 4 or more absences. This includes any combination of lecture, seminar, and lab.** If an absence is anticipated, please contact me by e-mail ahead of time. Excused absences in cases of recurring illness will *require* a note from your physician. Do not be late for class. For weather-related closings, sign up for text alerts, tune in to WLPO 1220 AM, or visit the college web site (www.ivcc.edu). Emergency procedures are posted near the doorway of each classroom on main campus. In the case of a medical emergency, you can dial 911 from any campus phone.

2. Classroom Etiquette: IVCC has policies related to student rights, academic integrity, and student code of conduct. Please refer to the student handbook for details. In my classes, I expect students will be attentive, respectful, and not cause *unnecessary disruptions to their peers or instructors*. The most disruptive behaviors include *talking out of turn, using cell phones during class, and being late for class!* Please be respectful of those around you. I expect students to treat instructors and peers with courtesy and respect at all times.



Use of cell phones is a distraction during class. Keep cell phones turned OFF or put in silent mode when class is in session. **Cell phones are not allowed in your possession during exams.**

3. Lecture Exams and Make-up Policy: Lecture exams are not cumulative. Lecture exams are taken using BlackBoard in A-208/A-209 or A-213 as directed by Mrs. Opsal.

IMPORTANT INFORMATION ABOUT MISSED EXAMS:

Make-up Policy

1. Not all missed exams may be made up! Exams can be made up only with instructor approval. Approval is granted only when the **instructor deems** the absence excused! Excused absences are those that can be clearly documented in writing and verified by a third party, such as your physician.
2. If you miss an exam, you must contact Mrs. Opsal by the **end of the day** the exam was given, or you will not be allowed a make-up.
3. All **lecture** make-up exams will be given with Mrs. Opsal's permission in the assessment center. The student is required to make the appointment.
4. The format of make-up **lecture** exams will be at Mrs. Opsal's discretion.
5. The date and time of the make-up lab exam is at the lab instructor's discretion.

*Note: The above policy applies to both lecture and lab exams.


4. Lab: The lab practicals (exams) are a significant part of your course grade. Your lab instructor is responsible for teaching labs and administering and grading lab exams. The grades are given to me, Mrs. Opsal, and become part of your overall grade. A human cadaver is used for demonstration purposes as part of related lab units. We will also frequently use an online cadaver dissection program called Anatomy & Physiology Revealed (APR) and Connect assignments will be given. These are accessed through Blackboard. **If you are repeating this course and your code has expired, please contact me as soon as possible so I can make sure you have access!** All lab materials must remain in the lab. Only reference materials and your cat (with your lab partners' permission) may be checked out. **It is in your best interest to come to lab additional hours outside of your regularly scheduled lab time whenever possible. Biology Lab hours will be announced the first week of classes.**



Important: There are four lab practicals (exams). They are taken in A-101 **during your scheduled seminar time, which is on Monday.**

5. Grading: Methods of instruction include lectures, laboratories, online audio and video files, print articles, and/or other online sources, demonstrations, group discussions, in-class exercises, and guest speakers. Students will be evaluated based on total points from **lecture and lab exams, quizzes, and assignments.**

Note about Online Assignments: Like last semester, you will be given assignments in Connect that are meant to get you reading the chapters ahead of time. These assignments will always be due on a Sunday evening by midnight (check specific dates in Blackboard for each one). They are meant to help you master the objectives of the course. These assignments are NOT accepted LATE and you will earn a ZERO if you fail to complete any assignment. They are worth approximately 18% of your final grade.

<p>Grade distribution will be as follows:</p> <ul style="list-style-type: none"> ▪ 4 lecture exams (400 total points) ▪ 4 lab exams (400 total pts.) ▪ Quizzes (40 pts. total) ▪ Connect Assignments (one LearnSmart/chapter): 180 points (20/chapter) 		<p>Course grading scale:</p> <p>A = 90 - 100 % B = 80 - 89 % C = 70 - 79 % D = 59 - 69 % F = less than 59 %</p>
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Note: Missed lecture quizzes may not be made up.

Grades are calculated on a total-points basis. To calculate your grade:

1. Add up the total points from lecture, seminar, and lab combined, which you earned.
2. Add up the total points possible from all of these assessments.
3. Take points earned and divide by points possible and multiply by 100.

In the final evaluation of your grade, **attendance, class participation (lecture, seminar, and lab), and effort** will be taken into consideration for those students very close to having earned the next higher grade.

6. Academic Dishonesty/Cheating: Any student caught cheating will automatically receive a ZERO for that exam or quiz and will be subject to further disciplinary action or withdrawal from the course at the discretion of the instructor. Refer to the IVCC student handbook for more details.

7. Auditing the Course: Audit students are required to participate in all exams and quizzes and must obtain a point total equal to 70% or higher at the end of the course. The same attendance policy applies to audit students.

8. Withdrawal from the Course: The final day to withdraw is **Monday, April 8, 2019**.

9. No food, drink, or tobacco products are allowed in the classroom. For their safety, children are also not allowed in the classroom or the life sciences lab.

10. Disability Services at IVCC: If you are a student with a documented cognitive, physical, or psychiatric disability you *may* qualify for academic accommodations. Please see Tina Hardy in the Disability Services office in C-211 or call 815-224-0284 for more information. You must contact me as soon as possible if you are requesting accommodations.

Last Updated May 9, 2019

Mrs. Opsal's Spring 2019 Schedule

DATE	Monday Seminar & Lab Exams	Tuesday/Thursday Lecture Topics & Exams	Weekly Lab Topics
Week of Jan. 9 Wed. classes begin		Course Introduction Ch. 11 Blood	Begin Lab Unit 1: Blood, Heart Lab manual Exercise 25: Blood *Purchase Box of Latex Gloves *Purchase Lab Checklists in Bookstore *Bring these to lab every week!
Week of Jan. 14	First Seminar Meeting	Ch. 11 cont.	Ex. 25 Blood and Ex. 26 Blood Tests & Typing Ex. 27 Structure of the Heart
Week of Jan. 21	Martin Luther King Day (Mon.) COLLEGE CLOSED	Ch. 11, cont. Ch. 12 Heart	Ex. 27 Structure of the Heart
Week of Jan. 28		Ch. 13 Blood Vessels and Circulation	Ex. 28 Electrical Conductivity of the Heart Ex. 29 Functions of the Heart Review for Lab Practical 1 (Blood cells and tests, human and calf heart)
Week of Feb. 4 <i>*Lab practicals are taken during your seminar time*</i>	Lab Practical 1		Begin Lab Unit 2: Blood Vessels, Lymphatic System Ex. 30 Introduction to Blood Vessels and Arteries of the Upper Body Cat dissection (of blood vessels) begins this unit
Week of Feb. 11		Tues. Lecture Exam 1 in A-208 - Ch. 11, 12 and 13 Thur. – Start Ch. 14 Lymphatic System and Immunity	Ex. 31 Arteries of the Lower Body Ex. 32 Veins and Special Circulations
Week of Feb. 18	President's Day (Mon.) COLLEGE CLOSED	Ch. 14 cont.	Continue dissection of the cat blood vessels Ex. 33 Function of Vessels and the Lymphatic System
Week of Feb. 25		Ch. 15 Respiratory System	Ex. 34 Blood Vessels & Blood Pressure Fetal circulation (fetal pig) Review for Practical 2 (Blood vessels, lymphatic, fetal circulation, vascular physiology, cat, fetal pig, renin-angiotensin mechanism)

DATE	Monday Seminar & Lab Exams	Tuesday/Thursday Lecture Topics & Exams	Weekly Lab Topics
Week of Mar. 4	Lab Practical 2	Tuesday: Lecture Exam 2 in A-211 and A-212 Ch. 14 & 15	Begin Lab Unit 3: Respiratory and Digestive Ex. 35 Structure of the Respiratory System Ex. 36 Respiratory Function, Breathing, Respiration Friday: NO CLASSES
Week of Mar. 11	Spring Break for Faculty and Students		
Week of Mar. 18		Ch. 16 Digestive System	Ex. 35 Structure of the Respiratory System Cat Dissection: Respiratory System Ex. 38 Anatomy of the Digestive System
Week of Mar. 25		Ch. 16 cont.	Cat Dissection: Digestive System Ex. 39 Digestive Physiology (modified)
Week of Apr. 1		Ch. 17 Nutrition, Metabolism, & Body Temperature Regulation	Review for Lab Practical 3 (Respiratory & Digestive anatomy & physiology, cat)
Week of Apr. 8	Lab Practical 3 <i>Monday Apr. 8th: Last day for Withdrawal</i>	Thursday: Lecture Exam 3 in A-208 Ch. 16 & 17	Begin Lab Unit 4: Nutrition, Urinary, Reproductive Food Label Analysis Ex. 40 Anatomy of the Urinary System
Week of Apr. 15		Ch. 18 Urinary System & Fluid Balance	Ex. 41 Urinalysis Cat Dissection: Urinary System Ex. 42 Male Reproductive System
Week of Apr. 22		Ch. 19 Reproductive System	Ex. 43 Female Reproductive System Cat Dissection: Reproductive System Review for Final Lab Practical (Nutrition, urinary anatomy, urinalysis, reproductive anatomy, cat, pig kidney, renin-angiotensin)
Week of Apr. 29	Lab Practical 4	Ch. 19, cont. Last lecture: Thursday May 5 th	No lab meetings this week
Week of May 6 <i>Day Classes Finals begins Mon.</i>		Lecture Final Exam Tue. May 7 th in A-208 Ch. 18 & 19	Grades Due May 15th 10:00 a.m.