










**Advanced Human Physiology (Biol 4600)  
Schedule of Classes, Spring 2021**

<u>WEEK</u>	<u>DAY</u>	<u>SUBJECT</u>	<u>READING IN BOOKLET</u>	<u>CORRESPONDING READING IN TEXT</u>
1	Mon, Jan 18	<b>HOLIDAY</b> (Normally Team A, last name A-L, could attend <u>if</u> they desired, but today is a holiday).	-----	-----
	Tues, Jan 19	Brief Introduction and Interactions Between the Cells and the Extracellular Environment, Part #1 (Team B, last name M-Z, can attend <u>if</u> they desire).	3-14	130-142
	Wed, Jan 20	Interactions Between Cells and the Extracellular Environment, Part #1 (Team A, last name A-L, can attend <u>if</u> they desire).	3-14	130-142
	Fri, Jan 22	Interactions Between Cells and the Extracellular Environment, Part #2 (Team B, last name M-Z, can attend <u>if</u> they desire) Optional Review Session at 4:30 pm in WIDT 007	15-24 -----	142-149 -----
	Mon-Fri	“Reproduction Revealed #1” at Canvas Site	465-468	702-705
	Tues-Thur	<b>Lab #1:</b> DVD (no lab points, but questions in upcoming lab quiz and final exam)	2	-----
2	Mon, Jan 25	Interactions Between Cells and the Extracellular Environment, Part #3 (Team A, last name A-L, can attend <u>if</u> they desire).	25-30	149-161
	Tues, Jan 26	The Nervous System, Part #1 (Team B, last name M-Z, can attend <u>if</u> they desire).	31-39	162-171
	Wed, Jan 27	The Nervous System, Part #2 (Team A, last name A-L, can attend <u>if</u> they desire).	40-58	172-184
	Fri, Jan 29	The Nervous System, Part #2 (Team B, last name M-Z can attend <u>if</u> they desire *and this pattern continues on M, T, W, and F for the rest of the semester). Optional Review Session at 4:30 pm in WIDT 007	40-58 -----	172-184 -----
	Mon-Fri	“Reproduction Revealed #2” at	469-477	705-710

		Canvas Site		
	Tues-Thur	<b>Lab #2:</b> WBC Differential Counts and Leukemia (10 points possible)	3-15	-----
3	Mon, Feb 1	The Nervous System, Part #3	59-73	184-205
	Tues, Feb 2	The Nervous System, Part #3	59-73	184-205
	Wed, Feb 3	The Central Nervous System, Part #1	74-99	206-225
	Fri, Feb 5	The Central Nervous System, Part #1 Optional Review Session at 4:30 pm in WIDT 007	74-99 -----	206-225 -----
	Mon-Fri	“Reproduction Revealed #3” at Canvas site	478-480	710-712
	Tues-Thur	<b>Lab #3:</b> Osmosis and Diffusion (10 points possible)	16-21	-----
4	Mon, Feb 8	The Central Nervous System, Part #2 <b>and EXAM #1</b> <b>(Last Day to Drop Without Notation on Transcript)</b>	100-114 -----	225-242 -----
	Tues, Feb 9	The Central Nervous System, Part #2	100-114	225-242
	Wed, Feb 10	The Autonomic Nervous System	115-128	243-265
	Fri, Feb 12	The Autonomic Nervous System Optional Review Session at 4:30 pm in WIDT 007	115-128 -----	243-265 -----
	Mon-Fri	“Reproduction Revealed #4” at Canvas site	481-484	712-716
	Tues-Thur	<b>Lab #4:</b> Reflex Functions (10 points possible)	22-32	-----
5	Mon, Feb 15	<b>HOLIDAY</b>	-----	-----
	Tues, Feb 16	Endocrine Glands, Part #1	129-153	316-341
	Wed, Feb 17	Endocrine Glands, Part #1	129-153	316-341
	Fri, Feb 19	Endocrine Glands, Part #2 Optional Review Session at 4:30 pm in WIDT 007	154-168 -----	341-358 -----
	Mon-Fri	“Reproduction Revealed #5” at Canvas site	485-488	716-719
	Tues-Thur	<b>Lab #5:</b> Evaluation of Sensory Structures (10 points possible)	33-49	-----
6	Mon, Feb 22	Endocrine Glands, Part #2	154-168	341-358
	Tues, Feb 23	Muscle, Part #1	169-185	359-377
	Wed, Feb 24	Muscle, Part #1	169-185	359-377
	Fri, Feb 26	Muscles, Part #2 Optional Review Session at 4:30 pm in WIDT 007	186-202 -----	377-403 -----
	Mon-Fri	“Reproduction Revealed #6” at Canvas site	489-491	719-722
	Tues-Thur	<b>LAB QUIZ # 1 and DVD</b> (5 points possible for attendance)	-----	-----

7	Mon, Mar 1	Muscle, Part #2	186-202	377-403
	Tues, Mar 2	Blood	203-221	404-414
	Wed, Mar 3	Blood	203-221	404-414
	Fri, Mar 5	Coagulation Optional Review Session at 4:30 pm in WIDT 007	222-234 -----	414-418 -----
	Mon-Fri	“Reproduction Revealed #7” at Canvas site	492-494	722-725
	Tues-Thur	<b>Lab #6:</b> Muscles (10 points possible)	50-57	-----
8	Mon, Mar 8	Coagulation and <b>EXAM #2</b>	222-234	414-418
	Tues, Mar 9	Heart	235-256	418-431
	Wed, Mar 10	Heart	235-256	418-431
	Fri, Mar 12	<b>NO CLASS DAY * (*Review slides will be posted at the Canvas site)</b>	-----	-----
	Mon-Fri	“Reproduction Revealed #8” at Canvas site	495-503	725-730
	Tues-Thur	<b>Lab #7:</b> Dissection of Sheep’s Brains and Examination of Previously Exposed Human Brains (10 points possible)	58-72	-----
10	Mon, Mar 15	Blood Vessels, Atherosclerosis, Cardiac Arrhythmias, and Lymphatic System	257-274	431-449
	Tues, Mar 16	Blood Vessels, Atherosclerosis, Cardiac Arrhythmias, and Lymphatic System	257-274	431-449
	Wed, Mar 17	Cardiac Output, Blood Flow, and Blood Pressure, Part #1	275-294	450-468
	Fri, Mar 19	Cardiac Output, Blood Flow, and Blood Pressure, Part #1 Optional Review Session at 4:30 PM in WIDT 007	275-294 -----	450-468 -----
	Mon-Fri	“Reproduction Revealed #9” at Canvas site	504-509	730-733
	Tues-Thur	<b>Lab #8:</b> Blood Pressure, Heart Rate, Electrocardiography, and Heart Sounds (10 points possible)	73-91	-----
11	Mon, Mar 22	Cardiac Output, Blood Flow, and Blood Pressure, Part #2	295-319	468-492
	Tues, Mar 23	Cardiac Output, Blood Flow, and Blood Pressure, Part #2	295-319	468-492
	Wed, Mar 24	The Immune System, Part #1 <b>Last day to drop with a “W” on transcript</b>	320-344	493-514
	Fri, Mar 26	The Immune System, Part #1 Optional Review Session at 4:30 pm	320-344 -----	493-514 -----

		in WIDT 007		
	Mon-Fri	“Reproduction Revealed #10” at Canvas site	510-512	733-734
	Tues-Thur	<b>Lab #9:</b> Blood Coagulation Testing (10 points possible)	92-108	-----
12	Mon, Mar 29	The Immune System, Part #2	345-362	514-531
	Tues, Mar 30	The Immune System, Part #2	345-362	514-531
	Wed, Mar 31	Respiratory Physiology, Part #1	363-380	532-546
	Fri, Apr 2	Respiratory Physiology, Part #1 Optional Review Session at 4:30 pm in WIDT 007	363-380 -----	532-547 -----
	Mon-Fri	“Reproduction Revealed #11” at Canvas site	513-518	734-737
	Tues-Thur	<b>LAB QUIZ #2 and DVD</b> (5 points possible for attendance)	-----	-----
13	Mon, Apr 5	Respiratory Physiology, Part #2 and <b>EXAM #3</b>	381-389	547-559
	Tues, Apr 6	Respiratory Physiology, Part #2	381-389	547-559
	Wed, Apr 7	Respiratory Physiology, Part #3	390-404	559-598
	Fri, Apr 9	<b>NO CLASS DAY* (*Review slides will be posted at the Canvas site)</b>	-----	-----
	Mon-Fri	“Reproduction Revealed #12” at Canvas site	519-524	737-742
	Tues-Thur	<b>Lab #10:</b> Glucose Tolerance Test, Urinalysis, and Kidney Dissection (10 points possible)	109-122	-----
14	Mon, Apr 12	Respiratory Physiology, Part #3	390-404	559-598
	Tues, Apr 13	Respiratory Physiology, Part #3	390-404	559-598
	Wed, Apr 14	Physiology of the Kidneys, Part #1	405-422	581-598
	Fri, Apr 16	Physiology of the Kidneys, Part #1 Optional Review Session at 4:30 PM in WIDT 007	405-422 -----	581-598 -----
	Mon-Fri	“Reproduction Revealed #13” at Canvas site	525-527	743-745
	Tues-Thur	<b>Lab #11:</b> Semen Analysis and Examination of Testes (and evaluations of TAs and UAs) (10 points possible). <b>Confirm your points earned to-date in lab with your TA during this lab!</b> (The TA will make a note that this meeting occurred so there are NO disagreements later about your lab points!)	123-147	-----
15	Mon, Apr 19	Physiology of the Kidneys, Part #1	405-422	581-598
	Tues, Apr 20	Physiology of the Kidneys, Part #2	423-435	598-618

	Wed, Apr 21	Physiology of the Kidneys, Part #2	423-435	598-618
	Fri, Apr 23	The Digestive System, Part #1 Optional Review Session at 4:30 pm in WIDT 007	436-451 -----	619-636 -----
	Mon-Fri	“Reproduction Revealed #14” at Canvas site	528-531	-----
	Tues-Thur	<b>Lab #12:</b> DVD on Natural Childbirth (5 points possible for attendance)	148	-----
16	Mon, Apr 26	The Digestive System, Part #1	436-451	619-636
	Tues, Apr 27	The Digestive System, Part #1	436-451	619-636
	Wed, Apr 28	<b>Interim Day (No classes)</b>	-----	-----
	Mon-Tues	“Reproduction Revealed #15” at Canvas site	532-536	745-754
	Tues-Thur	<b>NO LABS THIS WEEK!</b>	-----	-----
	Wed, May 5	<b>Comprehensive Final Exam</b> <b>3:30-5:20 PM</b>	-----	-----
	-----	Student performance in previous years	537-538	-----
	-----	Example exam from previous year	539-552	-----

**Advanced Human Physiology (Biol 4600)**  
**(5 credits)**  
**Spring 2021**

**A. Instructor: Dr. Andy Anderson (Please call me Andy!)**

Address: Biology Department  
BNR 327  
Utah State University  
Logan, UT 84322-5305

Phone: 797-1913 (If I’m not in, leave a message on my voice mail.)

E-mail: [andy.anderson@usu.edu](mailto:andy.anderson@usu.edu) (messages sent to this personal email arrive much quicker than messages sent to me via Canvas, so use this personal email)

**B. Teaching Assistants (TAs) and Undergraduate Aides (UAs):**

1. There are TAs and several Undergraduate Aides assigned to this course. Their names and office hours will be provided during the first days of class.
2. Historically, students who utilize the TA and UAs faithfully earn higher grades!

**C. Meeting Times:**

1. **Lecture** (index #11328) – This five-credit class meets on Mondays, Tuesdays, Wednesdays, and Fridays for 50 minutes of lecture from 3:30-4:20 PM in WIDT 007. All lectures are recorded and posted at the Canvas site after they occur. The lectures are “hybrid face-to-face”. This means that Team A, last name A-L,

attends on Mondays and Wednesdays if they desire and Team B, last name M-Z, attends on Tuesdays and Fridays if they desire. There is an optional review session most Fridays at 4:30 PM in WIDT 007.

2. **Laboratory** – There are four laboratory offerings which meet in **LSB 208**. The labs are “traditional face-to-face”, which means students show up in person. Students are **required** to sign up for one laboratory section per week. Please go to the laboratory you regularly attend! **Don’t move around because the TAs need to keep track of your points earned in lab!** If you do need to attend a different lab on a particular week, you will need to email me personally for permission. Normal social distancing is simply not possible in the labs (which is why they are “traditional face-to-face”), but students will wear personal protective equipment.

Index #	Section	Day	Time
11331	501	Tuesday	10:30 am - 12:20 pm
11333	502	Tuesday	1:30 pm – 3:20 pm
11334	504	Thursday	10:30 am – 12:20 pm
11335	503	Thursday	1:30 pm – 3:20 pm

**D. Required Materials for Biol 4600:**

1. Stuart Ira Fox’s book “*Human Physiology*”, 15<sup>th</sup> edition. This text is available at the USU Bookstore in a loose-leaf, three-holed packet (it was the only way the publisher would sell it to us!)
  - a. This text has a nice glossary at the back of the book on pages G1-G19.
  - b. If you are interested in using the “Connect” features (which are optional for this class), the Connect URL for our text is  
**[http://connect.mheducation.com/class/a-anderson-smartstart-course 1](http://connect.mheducation.com/class/a-anderson-smartstart-course-1)**
2. Course booklets (3 volumes) which contains all needed lecture notes, supplemental articles, and laboratories. These booklets are available at the USU Bookstore.
3. Lab coat that comes down to mid-thigh just above the knees. You will need to purchase this yourself and take it home to be washed as needed. They are for sale in the USU Bookstore.

**E. Optional Materials for Biol 4600:**

1. It is recommended (but not required) that students have one other physiology text available for study. An extra text will often serve to clarify points which are confusing, or reinforce those which are considered important.
2. I *used* to suggest that students purchase a medical dictionary, but now most students can just look words up on their smart phone.

**F. Course Booklets:**

1. For each lecture in this course (and for the “Reproduction Revealed” presentations at the Canvas site) the student is provided with an outline of the subjects to be discussed that day. These outlines are designed to guide your participation during the lectures and also to guide you in your reading of the

textbook. These outlines typically have articles attached on which you will be tested. All of these outlines and articles have been collected into course booklets for your use.

2. If there is information in your textbook that is not mentioned in class, or not mentioned in the course booklets, it will not be on the exam.
  - a. You are encouraged to read supplemental information in your text, but you will only be tested from the text on what is referred to in the course booklet or in our class discussions.
  - b. Note that the booklets often requires you to read articles in the text [i.e.: *Read the "Clinical Application on page 132]* for use on your tests!

### G. Lecture Recordings and Images

1. The audio recording of the lectures and review sessions, and the images used, will be available on the Internet shortly after the lectures and reviews are over. You can access them by going to the CANVAS site for this course. **This means that coming to the lecture hall to listen to the lectures is NOT required. As long as you master the current information, I am fine.** The lectures and images from the last time this course was taught (spring 2020) will be there as well.
2. **"Reproduction Revealed" at the Canvas site.**
  - a. There are 15 required "Reproduction Revealed" presentations at the Canvas site.
  - b. You are required to listen to one of these short presentations every week of the semester (except for Spring Break). **Do it every week!**
  - c. The notes for these "Reproduction Revealed" presentations are in your booklet of lecture notes.
  - d. Questions from these "Reproduction Revealed" presentations, the notes, and the supplemental readings for each will appear on your regular exams **and** on your Final Exam.
  - e. You must listen to one of these "Reproduction Revealed" presentations every week, and read the designated supplemental readings, to be prepared for your exams!

### H. Examinations, Quizzes, and Lab Points for Biol 4600

1. There will be three 50-minute exams of 100 points each (ALL of them count) and a 110-minute comprehensive final exam (over everything except articles used in earlier exams) worth 200 points. **The exams will be offered on-line via Proctorio at the Canvas site on the same day as we have our lecture for the next section.** The lecture notes, **class discussions**, handouts, laboratories, and occasional articles distributed in class will be used to formulate exam questions.
2. Your scored and stapled-closed answer sheets will be posted **on the wall outside of VSB 219** on the Monday morning of the next week following your exam.
  - a. I will pass out permission slips in the first days of class for you to agree, or not agree, to me posting your stapled-closed answer sheet on the wall outside of VSB 219.
3. **There will be two lab quizzes (50 points each) presented in the laboratory face-to-face that will be prepared and administered by the TAs.**

4. Students' grades will be calculated using ALL three of the 50-minute exams (they ALL count and you can't drop one!), the lab quizzes, the lab points (for pre-lab quizzes and attendance), and the final.
5. An example first exam is included at the back of this syllabus. While the questions will be different this year, the idea will be exactly the same. **This year, the questions will ALL be multiple-choice to facilitate grading due to the on-going Covid-19 pandemic.**
6. Those students who have difficulty with the example first exam and example question in the book should see the instructor as soon as possible to arrange free tutoring with the TAs, SI, and UAs.
7. Those students who ("heaven forbid!") score less than 70% on the first two exams **should seriously seek intensive tutoring or drop the class.**
8. As indicated on the course schedule, there are points that are earned for every laboratory this semester (total of 115 possible). These will be recorded by your lab TA.
  - a. Students have the ability to earn 5 points for a pre-lab quiz at the start of each of the 10 **active** labs (Lab #1 you just watch a video) and an additional 5 points for attendance.
    - 1) For those **passive** labs when you only watch a video (Lab #1 or those following the lab quizzes) or when you listen to my wife, there is no pre-lab quiz and you will only earn the 5 points for attendance.
  - b. The pre-lab quiz will be 5 questions over the lab that is to be done that day and it will start at 3 minutes after the schedule lab starting time! It will only last for about 5 minutes.
  - c. This pre-lab quiz accomplishes two things: it insures you are to your lab on time and it makes the TAs and UAs happy because you have looked over the lab before arriving and ready to answer the pre-lab questions.
    - 1) If a student arrives in the lab too late to take the pre-lab quiz, they will NOT be allowed to take the pre-lab quiz. Remember one of the purposes for this pre-lab quiz is to have student arrive on-time!
  - d. **Each TA** in each of the respective labs will create 5 straightforward questions for the students to answer, print up this pre-lab quiz before lab, score it, and keep a record of points earned (5 points per pre-lab quiz) to be turned into to me at the end of the semester.
    - 1) The scored pre-lab quizzes can be returned to the students at the next lab.
  - e. **Each UA** will take attendance (worth 5 points) at some point in the lab (usually after one hour) and give that list to the **TA** for recording.
  - f. So, the **TA** will be keeping a permanent record of the points earned from the pre-lab quiz and from attendance (with the help of the UA).
9. The letter grade is based on the percentage of total points earned on the three 50-minute exams (100 points each), the two lab quizzes (50 points each), the 110-minute final (200 points), and points earned in the laboratory for pre-lab quizzes and attendance (115 points). **THERE IN NO EXTRA CREDIT OR SPECIAL PROJECTS TO IMPROVE YOUR GRADE.** The breakdown is as follows:



Actual Points Earned	Percentage of Total Points Earned	Grade
661-715	93-100	A
640-660	90-92	A-
611-639	86-89	B+
590-610	83-85	B
568-589	80-82	B-
540-567	76-79	C+
518-539	73-75	C
497-517	70-72	C-
468-496	66-69	D+
425-467	60-65	D
424 or less	59 or less	F

10. Up through the last office hour you are invited to see me or the TAs to view the exam keys and debate your scores. **After the last office hour, I will only discuss the final exam with you, not your scores on earlier tests or quizzes.**
11. You MUST confirm your points earned in lab with your TA as indicated on the schedule two weeks before the end of classes.

**I. Course Goals:**

The main goal of this course is to give students a **detailed** understanding and working knowledge of the functioning of their own bodies. Numerous medical examples will be provided to illustrate the importance of the systems presented. The *Clinical Applications* and other medical citations from the text will be specifically reviewed at the regular Friday review sessions.

It is expected that upon successful completion of this course students will be able to effectively apply the knowledge gained in more advanced courses, in their careers, and in their daily lives.

**J. Student's Responsibilities:**

The student is expected to attend all lectures and laboratories, take supplemental notes, read the assigned readings, refer to suggested references as needed and achieve a cumulative score of greater than 75% on the exams. To prepare for the exams students should study about 2 hours per day outside of class (make charts or lists, write practice questions, analyze articles, etc.)

In the event there is some difficulty, it is the **student's responsibility** to contact the instructor, SI, UAs, or TA for advice or assistance. Free tutoring is available with the TA and UAs.

**K. Instructor's Responsibilities:**

The instructor is expected to attend all lectures, read the assigned reading, present supplemental articles, and prepare examinations which are fair and representative of the material covered. The instructor will also be available at posted office hours to answer **specific** student questions and provide needed assistance.

**L. Teaching Assistants and Undergraduate Aides' Responsibilities:**

There are several TAs and several UAs assigned to this course each semester. The TAs and UAs will come to the lectures as needed so that they will be qualified tutors for each of your exams. Some of the UAs will attend the review sessions each week where the *Clinical Applications* and other medical examples from the text will be reviewed and students are quizzed by the UAs with questions the UAs have prepared. The TAs and UAs will assist the instructor in writing the lecture exams. The TAs will correct and score the exams promptly after they are taken by the students. The TAs and UAs will have published office hours to provide help to interested students. **(If the TAs or UAs fail to show up at his/her office hour, please let me know!).**

The TAs and UAs are also expected to attend their individual laboratories, prepare pre-lab quizzes, take attendance, have all the necessary materials available, and be knowledgeable about the scheduled lab exercises. The TAs and UAs will write and administer two lab quizzes. After correcting these quizzes, they will turn them in to Andy for grade recording and posting.

**M. Library References:**

1. A copy of the course textbook, "*Human Physiology, 15<sup>th</sup> edition*" is on reserve at the Media Collections Department in the Library.
2. Check the subject index in the Library to find additional useful books on physiology and anatomy.

**N. Below you will find a University statement on Academic Honesty.**

1. **DO NOT REMOVE ANY EXAMINATION MATERIALS FROM THE CLASSROOM OR LABORATORY ON EXAM DAYS!**
2. **DO NOT COPY OR REMOVE ANY EXAMINATION MATERIAL FROM THE TEACHING ASSISTANTS' OFFICES!**
3. If you fail to follow these rules, I will make every effort to subject the offender to the disciplinary procedures designated by the University.

**Honor Pledge**

Students will be held accountable to the Honor Pledge which they have agreed to: "I pledge, on my honor, to conduct myself with the foremost level of academic integrity."

**Academic Dishonesty**

The Instructor of this course will take appropriate actions in response to Academic Dishonesty, as defined the University's Student Code:

Acts of academic dishonesty include but are not limited to:

1. Cheating: (1) using or attempting to use or providing others with any unauthorized assistance in taking quizzes, tests, examinations, or in any other academic exercise or activity, including working in a group when the instructor has designated that the quiz, test,

- examination, or any other academic exercise or activity be done “individually”; (2) depending on the aid of sources beyond those authorized by the instructor in writing papers, preparing reports, solving problems, or carrying out other assignments; (3) substituting for another student, or permitting another student to substitute for oneself, in taking an examination or preparing academic work; (4) acquiring tests or other academic material belonging to a faculty member, staff member, or another student without express permission; (5) continuing to write after time has been called on a quiz, test, examination, or any other academic exercise or activity; (6) submitting substantially the same work for credit in more than one class, except with prior approval of the instructor; or (7) engaging in any form of research fraud.
2. Falsification: altering or fabricating any information or citation in an academic exercise or activity.
  3. Plagiarism: representing, by paraphrase or direct quotation, the published or unpublished work of another person as one's own in any academic exercise or activity without full and clear acknowledgment. It also includes using materials prepared by another person or by an agency engaged in the sale of term papers or other academic materials.

Full text of the Student Code available at available at available at  
<http://www.usu.edu/studentservices/pdf/StudentCode.pdf>:

**O. Students with Disabilities**

Students with physical, sensory, emotional or medical impairments may be eligible for reasonable accommodations in accordance with the Americans with Disabilities Act and Section 504 of the Rehabilitation Act of 1973. All accommodations are coordinated through the Disability Resource Center (DRC) in Room 101 of the University Inn, 797-2444, 797-0740 TTY, or toll free at 1-800-259-2966. Please contact the DRC as early in the semester as possible. Alternate format materials (Braille, large print or digital) are available with advance notice.

**P. Unacceptable Classroom Behavior**

Since a significant goal of this class is to prepare each of you for your upcoming exams, then behavior that disrupts the classroom environment will be discouraged.

1. Once class has started, **cell phones should be silenced** and no ring tones or conversations are permitted.
2. Once class has started, **talking and whispering among students is strongly discouraged**. If you need to talk, please leave the class and conduct your conversation outside. If students persist in talking among themselves during class, they will be asked to leave the room so other students can benefit from the limited amount of class time available.
3. Use of laptop computers in class is acceptable, provided it is utilized for notes or materials used in this class. **It is not acceptable to use your computer in class for recreational purposes or for doing work for a different class**. When you come to this class it is expected that you will focus your attention on this class and not engage in computer activities that detract from the classroom experience or

that will distract your classmates. If the problem persists, you will be requested to cease your computer activities.

**Q. University policy on withdrawals and incomplete grades.**

1. I direct your attention to the current USU policy on incompletes and withdrawing from courses in the on-line Catalog, under Registration.
  - a. You will note that “incomplete grades” are only given for conditions beyond the students’ control and not due to poor performance. A student who receives an incomplete must retain all the scores they earned up to the date of the incomplete and later will **ONLY** be allowed to finish the remaining quizzes or exams.

**S. Notice on lab fees (\$80)**

1. As part of your registration for this class you were required to pay a “lab fee” of \$80. This fee is used by me to buy lab supplies and obtain specimens. All of your lab fees are used to enhance your learning opportunities in this course and to help your TA, UAs, and your instructor, to hopefully make it easier for you to succeed in this challenging subject.

**T. Laboratory Safety**

1. The entire university has adopted a safety protocol for all student laboratories. The **minimum** required protection to enter a laboratory is:
  - a. Fully closed shoes
  - d.  $\frac{3}{4}$  length laboratory coat that comes down to mid-thigh above the knees. You will need to purchase these yourself. They are available at the USU bookstore. You will need to take them home to be washed as needed.
  - e. Eye goggles/glasses (these will be provided in the laboratory).
  - f. Nitrile gloves when working with chemicals or human/animal products.
  - g. Protective mask (you can wear your own mask)
2. If you do not have this minimum required protection, you will **NOT** be allowed to enter (no exceptions for ANY time you enter the lab!).
  - a. I realize that for some labs you merely have a quiz or watch a video. However, the University policy is for entering a lab, regardless if the lab is active or not because of the hazardous chemicals in the lab!
  - b. If you are just watching a video, you can skip the goggles/glasses and gloves.
3. **When working with chemicals, animal products, or urine, you must also wear the nitrile gloves provided.**
5. There are lockers in the hallway for you to store your backpack and other personal items not needed for the lab.

**General Information for Interested Students  
Biol 4600**

Some students may be interested in taking further courses with me. This sheet will provide that information.

**A. Courses Taught by D. Andy Anderson**

1. Fall Semester 2021
  - a. Elementary Microbiology (Biol 2060) 4 credits
  - b. Human Dissection (Biol 4000) 1 credit
32. Spring Semester 2022
  - a. Human Anatomy (Biol 2320) 4 credits
  - b. Bioethics (Biol 3100) 3 credits
  - c. Advanced Human Physiology (Biol 4600) 5 credits
4. Others
  - a. Independent Study (Biol 3760) 1-2 credits – available every semester
    - 1) Students earn credit by writing a term-paper (or more than one) on a mutually agreed topic
  - b. Teaching Internship (Biol 4710) 1 credit – available every semester
    - 1) This credit is available to students who wish to volunteer as an undergraduate aide in a class they have previously excelled in. (Grade of “B” or better)
  - c. I oversee a Medical College Admissions Test (MCAT) review course (Biol 1030, one credit, pass/fail). This is offered in the spring and is taught by two Undergraduate TAs, if there is sufficient enrollment.
  - d. I oversee a Dental Admissions Test (DAT) review course (Biol 1040, one credit, pass/fail). This is offered in spring and is taught by two Undergraduate TAs, if there is sufficient enrollment