This Syllabus
You are responsible for knowing all the contents of this syllabus. It provides information on the organization of the course, schedules for the lecture and the laboratory, and assignments from assigned texts.

Class Hours

LECTURE:

9:35am-11:00am TTh; Science Lecture 101; S. Daniel. CRN 20400; Honors CRN 20416. Lecture Exams will be administered in this facility during class hours.

4:50pm-6:15pm MW; Science Lecture 101; S. Daniel CRN 20398; Honors CRN 20973. Lecture Exams will be administered in this facility during class hours.

LABORATORY CLASSES:

9:30am-12:40pm MW; S. Haeri. CRN 21199; Honors CRN 20325.
1:00pm-4:00pm MW; S. Daniel. CRN 20745; Honors CRN 21159.
6:30pm-9:00pm MW; S. Djang. CRN 20747; Honors CRN 21104.
7:50am-11:00am TTh; G. Russell. CRN 20968, Honors CRN 20956.
11:30am-2:40pm TTh; S. Daniel. CRN 20746; Honors CRN 21103.
5:30pm-8:40pm TTh; B. Madsen. CRN 20748; Honors CRN 21105.
6:00pm-9:10pm F; 9:00am-12:10pm S; S. Djang. CRN 21202; Honors CRN 20394.

The laboratory classes meet in Sci 143. There are seven scheduled laboratory classes. You are expected to attend your scheduled laboratory class. You may not take exams or quizzes during any but your scheduled class period. Laboratory exams (Practical Exams) and quizzes are administered in this facility during scheduled class hours.

When possible, the laboratory is open for independent work. Do not expect assistance during these open hours, or expect the lab to always be available. Never interfere with other classes or instructors who also use the laboratory facility.

NOTE: Students must enroll in a lecture and a laboratory simultaneously. You may combine any lecture with any laboratory.

Texts

The text entitled Human Anatomy (2nd edition) by McKinley and O’Loughlin is required and intended to augment both lecture and laboratory material. The reading assignments listed in the course schedule are subject to examination whether or not the material is covered in class. Some of the text material is designed to help you with laboratory material. These materials will be indicated when they become relevant.

For the laboratory, the Human Anatomy Laboratory Manual by Daniel and Harmer is required, as is Sebastiani and Fishbeck’s Mammalian Anatomy of the Cat. Kapit and Elson’s Anatomy Coloring Book is suggested. The assignments listed on the course schedule are subject to examination whether or
not the material has been covered in class. You are expected to bring all required texts to laboratory
classes.

The *Color Atlas of Human Anatomy* by McMinn and Hutchings and the d’Fiore’s Atlas of Histology by
Eroschenko are supplemental texts (i.e., it is not required). They are excellent reference books, and
would be a good addition to your library. Another excellent reference is *Grey’s Anatomy*, the British
edition. This book is expensive, but worth considering if your major involves further work in human
anatomy. Other supplemental materials are available in the bookstore

**Supplies and specimens**

The laboratory involves examination of anatomical structures by dissection. Each student is expected
to participate in classroom dissections as a member of a dissection team. Teams usually consist of two
students. Dissection specimens include preserved cats and a variety of preserved organs (e.g., hearts,
brains, eyes, etc.).

Human cadavers are used to study most body systems. Biol. 220 students are not permitted to
participate in dissection of these specimens (An independent study class in Human Dissection is
offered in the spring semester for a limited number of experienced students. If you are interested in
this opportunity, request further information.) Each student is expected to identify structures on human
cadavers. These specimens, and those mentioned above, will be used for examination purposes.

Biol. 220 students are expected to provide their own dissection tools. For this class, a dissection kit
must include *forceps, scalpel and blades, teasing needle, blunt probe, scissors, and gloves*. Members
of a dissection team may share this equipment. Check the laboratory schedule and make note of the
first laboratory meeting involving dissection. Have your equipment at this time. Gloves are *required*
when handling specimens and human cadavers. A lab coat, or equivalent, is recommended.

Dissection kits are available through the bookstore. There are also several supply houses in the area
that carry kits and gloves. Location information on these supply houses is posted in the window in lab.

**Examinations and grades**

You will be assigned one grade for this class. That grade will be determined by your performance in
the two segments of the class, lecture and laboratory. Each segment of the class contributes 50% of
your final grade.

Grading is based on total points earned, quality of dissection and participation in lab. Grades will be
assigned on a scale similar to the sample scale provided in this syllabus. At least 50% is required to
pass the course.

There are *five 100-point lecture exams*. Each exam, including the final exam, will test material covered
since the last exam. All five are objective tests; you will need a 100-answer Scantron and a #2 pencil
for each exam.

There are *five laboratory practicums*. Each practicum will test material covered since the previous
practicum, with the exception of Practicum V. This will be a *comprehensive laboratory final*,
emphasizing material since the last practicum (refer to your laboratory schedule for the date of this
test). Point values for these practicums vary, but will total about 700 *points* by the end of the semester.

*Quizzes* will be administered in the laboratory. These may, or may not be announced. The point value
of individual quizzes will vary, but will total about 300 *points* by the end of the semester.

Make-up lecture examinations will not be given unless absence is due to a College recognized
emergency. Laboratory practicums and quizzes cannot be made-up for any reason. You must be
present when these examinations begin, or risk forfeit of the opportunity to take the examination. The
instructor will determine start times for all examinations. Most of the time, quizzes will be administered
at the beginning of the laboratory session.
Attendance
Attendance in class is very important. It is your responsibility to keep up with the reading assignments, changes in the schedule and any other activities outlined by the instructor in class meetings. You may be dropped from the class after three unauthorized absences.

Cell phones and other annoying electronic devices
The use of cell phones is not allowed in either the lecture or the lab.

Note
Read all essays and figure legends in the text. You are also responsible for material in the coloring book and various multimedia that pertains to each lecture topic. Illustrations from required books and multimedia sources will be used on exams, practicums and quizzes.

GRADING SCALE:
Letter grades cannot be determined until all of the points have been accumulated at the end of the course. The scale below can be used as a guideline to estimate your standing in the course. A similar but not necessarily identical scale will be used at the end of this class. Borderline grades will be evaluated based on attendance, participation, quiz scores and improvement.

<table>
<thead>
<tr>
<th>PERCENT</th>
<th>GRADE</th>
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<tbody>
<tr>
<td>90+</td>
<td>A</td>
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<tr>
<td>88-89</td>
<td>Borderline</td>
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<tr>
<td>80-86</td>
<td>B</td>
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<tr>
<td>78-79</td>
<td>Borderline</td>
</tr>
<tr>
<td>70-76</td>
<td>C</td>
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<tr>
<td>50-64</td>
<td>D</td>
</tr>
<tr>
<td>Below 50</td>
<td>F</td>
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</tbody>
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Need help?
Sources of help include: the instructors (see posted office hours), teaching assistants, the laboratory technician ...and divine intervention! There is also a tutorial center on campus.

Do we really need to say this?
Cheating will not be tolerated, and is cause for immediate dismissal. The college will be notified, and appropriate action will be taken.
KEEP TRACK OF YOUR GRADE:

LECTURE

EXAM I (Possible points=100) .................... ________

EXAM II (Possible points=100) .................... ________

EXAM III (Possible points=100) .................... ________

EXAM IV (Possible points=100) .................... ________

EXAM V (Possible points=100) .................... ________

TOTAL (Possible points=500) .............................................. ....................................................... ________

LABORATORY

PRACTICUMS

Practicum I (Possible points=??) .................... ________

Practicum II (Possible points=??) .................... ________

Practicum III (Possible points=??) .................... ________

Practicum IV (Possible points=??) .................... ________

Practicum V (Possible points=??) .................... ________

TOTAL (Possible points= about 700) .................... ________
QUIZZES

Quiz 01 (Possible points=15) ......................... ________
Quiz 02 (Possible points=15) ......................... ________
Quiz 03 (Possible points=15) ......................... ________
Quiz 04 (Possible points=15) ......................... ________
Quiz 05 (Possible points=15) ......................... ________
Quiz 06 (Possible points=15) ......................... ________
Quiz 07 (Possible points=15) ......................... ________
Quiz 08 (Possible points=15) ......................... ________
Quiz 09 (Possible points=15) ......................... ________
Quiz 10 (Possible points=15) ......................... ________
Quiz 11 (Possible points=15) ......................... ________
Quiz 12 (Possible points=15) ......................... ________
Quiz 13 (Possible points=15) ......................... ________
Quiz 14 (Possible points=15) ......................... ________
Quiz 15 (Possible points=15) ......................... ________
Quiz 16 (Possible points=15) ......................... ________
Quiz 17 (Possible points=15) ......................... ________
Quiz 18 (Possible points=15) ......................... ________
Quiz 19 (Possible points=15) ......................... ________
Quiz 20 (Possible points=15) ......................... ________

TOTAL  (Possible points=300) .......................... ________

Note: in reality, point values for quizzes will vary. Change the value for possible points when appropriate.
FINAL GRADE:

LECTURE: ............................................................ ____________ Total Points

LABORATORY ........................................................... ____________ Total Points

  Practicums ........................................... _________

  Quizzes ................................................ _________

TO CALCULATE YOUR FINAL GRADE:

Determine your percentage for lecture, and for lab. To do this, divide the number of points earned by the number of points possible for lecture and for lab. Add the percentages together, and divide by 2. Compare your final percent to the scale provided. Refer to the example below.

Lecture % = Points Earned/500 pts

Laboratory % = Points Earned/900 pts

Lecture % + Laboratory % / 2 = Final %