Course: BIOL 2020 – Human Anatomy and Physiology II
Semester: Fall 2014, Spring 2015, Summer 2015
Instructors: Dr. Lisa Eccles, Office NSCI 120, Phone 423-318-2768
            E-Mail: Lisa.Eccles@ws.edu
            Dr. Laurence Fleming, Office NSCI 117, Phone 423-585-6971
            E-Mail: Laurence.Fleming@ws.edu
            Dr. Pamela Fouche’, Office NSCI 122, Phone 423-585-6874
            E-Mail: Pamela.Fouche@ws.edu
            Dr. Abigail Goosie, Office NSCI 121, Phone 423-585-2656
            E-Mail: Abigail.Goosie@ws.edu
            Dr. Gregory Grass, Office MMH 202, Phone 865-774-5855
            E-Mail: Gregory.Glass@ws.edu
            Dr. Jeff Horner, Office NSCI 126, Phone 423-585-6954
            E-Mail: Jeff.Horner@ws.edu
            Mrs. Jaime Parman-Ryan, Office WSGC 257, Phone 423-798-7974
            E-Mail: Jaime.Parmen@ws.edu
            Mrs. Kristin Rich, Office NSCI 116, Phone 423-318-2701
            E-Mail: Kristin.Rich@ws.edu
            Mr. Carl Robinson, Office WSCE 105, Phone 423-851-4771
            E-Mail: Carl Robinson@ws.edu
            Mr. William Sproat, WSCC NSCI 123, Phone 423-585-6891
            E-Mail: William.Sproat@ws.edu
            Dr. Jerry Wilhoit, Office WSGC 254, Phone 423-798-7952
            E-Mail: Jerry.Wilhoit@ws.edu
            Dr. Margaret Frazier, NSCI Adjunct Office, Phone 423-318-2775
            E-Mail: Margaret.Frazier@ws.edu

Course Supervisor: Dr. Jeff T. Horner, Dean of Natural Science, Office NSCI 126,
Contact: Phone: 423-585-6954, E-Mail: Jeff.Horner@ws.edu
Office Hours: Instructors’ office hours are posted on their office doors
FAX: 423-318-2762
Secretary: 423-585-6865 (Division Assistant)

Textbook, supplements, and other materials:


This Walters State custom package includes the following:

1. Learning resources within McGraw-Hill’s Connect platform (720-day access):
✓ Personalized, adaptive SmartBook for McKinley’s *Human Anatomy & Physiology: An Integrative Approach*, 1st edition (2013). You will engage with course content/chapters using the adaptive SmartBook, and then lecture time will focus on expanding and applying these concepts.

✓ Connect online homework system, through which you will complete graded quizzes, SmartBook, and other graded assignments for this course, and

✓ LearnSmart (LS) adaptive study tools, accessible also via the MH LearnSmart app (free download, iOS & Android).

2. A downloadable, interactive eBook for reading on-the-go and in places without internet access. Optimized for Smartphones, tablets, laptops, desktops, KindleFire, and IOS devices – view and download directly from our eLearn course site. View this on your mobile device via the VitalSource Bookshelf app (free download, iOS and Android).

Registration walkthroughs and more info available on our eLearn course site.
For assistance and tech support, contact the McGraw-Hill Customer Experience Group:
1-800-331-5094    Live Chat: mhhm.com, then “Technical Support” at bottom
Hours (EST): Mon-Thurs 9a-12a, Fri 9a-7p, Sat 11a-5p, Sun 1p-12a
Or submit a contact form at http://mpss.mhhe.com/contact.php

**Catalog Description:**
BIOL 2020 is a continuation of the study of the structure and function of the human body from BIOL 2010. The topics studied include fluid and electrolyte balance, the cardiovascular system, the respiratory system, the urinary system, the lymphatic and immune system, the reproduction and development system, and the endocrine system. (Credit: 3 hours Natural Science)

Pre-requisite: a “C” or better in BIOL 2010
Co-requisite: BIOL 2021

**Learning Outcomes:** BIOL 2020 will allow the student to be able to address the following topics by:

1. **Endocrine System:**
   Developing an understanding of the structure and function of the endocrine system with an emphasis on hormones and their mode of action.

2. **Reproductive System, Pregnancy, and Development:**
   Identifying reproductive anatomy and understanding reproductive physiology and its role in pregnancy and development.

3. **Cardiovascular System:**
   Demonstrating an understanding of the cardiovascular system including the structure and function of the heart and blood vessels as well as the function and composition of blood.

4. **Lymphatic and Immune Systems:**
   Recognizing the anatomical structures of both the lymphatic and immune systems while demonstrating an understanding of the physiological processes involved in the immune response to pathogens in the human body.

5. **Respiratory System:**
Learning respiratory anatomy and describing respiratory physiology including ventilation processes responsible for respiration.

6. Urinary System and Fluid, Electrolyte, and Acid-Base Balance:
Identifying urinary anatomy, understanding diuresis and the effects of electrolyte and acid-base balance on multiple body systems.

**Instructional Methods:**
1. Lectures
2. Classroom discussion
3. Video tape, CD-ROM and computer simulations

**Grading Scale and Evaluation:**

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<thead>
<tr>
<th>Component</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>McGraw Hill Connect Assignments</td>
<td>20%</td>
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<tr>
<td>5 Lecture Tests</td>
<td>60% (each counts 12%)</td>
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<tr>
<td>1 Comprehensive Final</td>
<td>20%</td>
</tr>
<tr>
<td>Total</td>
<td>100%</td>
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**Extra Credit:**
*Each professor has the option to offer the opportunity to earn up to 25 additional points through the semester. Examples include, but are not limited to, bonus questions on exams, in class quizzes, attending a scientific event, etc. The instructor’s policy will be explained in detail on the first day of class. In no instance will credit be provided for any activity not related to the scope of the course. The aim of the class is to get a solid understanding of Anatomy and Physiology so that grades reflect our abilities to communicate the material and not a supplementary assignment or task. All students, especially those that feel they are struggling with the material, are strongly encouraged to use office hours, send emails, make appointments for extra help, etc. throughout the semester.*

**Final Grade**
- 90% and above = A
- 80-89% = B
- 70-79% = C
- 60-69% = D
- Less than 60% = F

**Lecture Chapters**

<table>
<thead>
<tr>
<th>Chapter</th>
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<tbody>
<tr>
<td>The Endocrine System</td>
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<td>17</td>
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<td>The Reproductive System</td>
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<td>28</td>
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<td>Pregnancy and Human Development</td>
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<td>29</td>
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<tr>
<td>Blood</td>
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<td>18</td>
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<tr>
<td>Cardiovascular System: The Heart</td>
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<td>19</td>
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<td>Cardiovascular System: Blood Vessels</td>
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<td>20</td>
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<td>The Lymphatic System</td>
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<td>21</td>
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<tr>
<td>Nonspecific Body Defenses and the Immune System</td>
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<tr>
<td>22</td>
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<tr>
<td>Respiratory System</td>
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<td>23</td>
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<tr>
<td>Urinary System</td>
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<td>24</td>
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Exam Policy:
1. **ALL** exams are to be taken at times scheduled by the instructor.
2. **ALL** exams scheduled in the course by the instructor must be taken or the student will fail the course. Any exceptions must be approved by the Academic Dean and the Vice President of Academic Affairs.
3. Make-up exams will be given for excused absences only (excused absences include illness, death in family, and military or jury duty).
4. Make-up exams must be taken before the next scheduled exam.

Course Ground Rules

All students attending Walters State Community College, regardless of the time, location, or format of the class, must abide by the rules and regulations outlined in the current Walters State Catalog/Student Handbook and the current Walters State Timetable of Classes. The Catalog/Student Handbook and the Timetable of Classes are online at: [http://ws.edu](http://ws.edu)

Students must attend the first day of on-ground class or contact the instructor prior to the first class. Failure to do this may result in being dropped from the class. Excessive absences may substantially lower the course grade.

Students enrolled in web courses must follow the course attendance policy defined for online attendance during the first week of class and throughout the term. Failure to do this may result in being dropped from the class during week one OR may result in the accrual of absences which may negatively impact the student’s grade in the course.

Plagiarism, cheating, and other forms of academic dishonesty are prohibited. The minimum penalty for cheating is a “0” (zero) on the examination or assignment. Academic dishonesty may result in an “F” for the course. Additional information can be found in the WSCC Catalog/Student Handbook at: [http://ws.edu](http://ws.edu).

Students with disabilities must register with Student Support Services each semester in the Student Services Building, Room U134 (phone 423-585-6892) if they need any special facilities, services, or consideration.

Students in need of tutoring assistance are encouraged to contact the Office of Student Tutoring located as follows:
- Morristown Campus - Student Services Building Room L107 – (423) 585-6920
- Greeneville Campus – Room 420 - (423) 798-7982
- Sevierville Campus - Marshall-Maples Hall Room 118 – (865) 286-2787
- Claiborne Campus – Room 123A (423) 851-4761

Specific tutoring assistance in mathematics and writing is available in-person and online as follows:
- Morristown Campus – English Learning Lab – HUM 120 – (423) 585-6970
  - [https://www.ws.edu/academics/humanities/writing-lab](https://www.ws.edu/academics/humanities/writing-lab)
- Morristown Campus – Mathematics Lab – MBSS 222 - (423) 585-6872
  - [http://ws.edu/academics/mathematics/learning-lab](http://ws.edu/academics/mathematics/learning-lab)

Students who need assistance with computing and technology issues should contact the IET Helpdesk by phone at Morristown: 423-318-2742 Greeneville: 423-798-8186 or Sevierville: 865-286-2789 or on-line access at: [http://helpdesk.ws.edu/](http://helpdesk.ws.edu/).

Students receiving any type of financial aid or scholarship should contact the Financial Aid Office before making any changes to their schedule. Schedule changes without prior approval may
result in loss of award for the current term and future terms.

Students who have not paid fees on time and/or are not correctly registered for this class and whose names do not appear on official class rolls generated by the Walters State student information system (StarNET) will not be allowed to remain in class or receive credit for this course.

Electronic devices must not disrupt the instructional process or college-sponsored academic activity. Use of electronic devices is prohibited unless use of the device is relevant to the activity and use is sanctioned by the faculty member in charge. Electronic devices that are not relevant to the activity or sanctioned by the faculty member in charge should be set so that they will not produce an audible sound during classroom instruction or other college-sponsored academic activity.

For information related to the cancellation of classes due to inclement weather, please check the college’s Web site at www.ws.edu or call the college’s student information line, 1-800-225-4770, option 1; InfoConnect, (423) 581-1233, option 1045; the Sevier County Campus, (865) 774-5800, option 7; or the Greeneville/Greene County Campus (423) 798-7940, option 4. Also, please monitor local TV and radio stations for weather-related announcements. For additional information on this policy see the college catalog at: http://ws.edu

Dual Enrollment students attending on a high school campus should refer to the high school inclement weather cancellations.

In the event of a pandemic or other college-declared critical event that impacts the college’s ability to proceed with academic course activities as planned, the college reserves the right to alter this course plan. In the event of a pandemic or other event, please refer to the college’s home web page, www.ws.edu or call InfoConnect, (423) 581-1233 for further information.

Regular class attendance is a student’s obligation for any course regardless of format. (See the Walters State Catalog/Student Handbook) If a student misses class, it is his or her responsibility to contact the instructor regarding missed assignments and/or activities and to be prepared for the next class assignment.

All forms of student Financial Aid may be jeopardized or lost due to the lack of Satisfactory Academic Progress in one or multiple courses. Lack of Satisfactory Academic Progress may negatively impact a student’s degree/certificate completion pace and further jeopardize Financial Aid eligibility.

Students caught cheating will receive a zero (0) on that assignment for the first offense and will automatically fail the course for the second offense.

Students with disruptive behavior, including but not limited to excessive talking or sleeping in class, will be required to sign a student misconduct form.

Students are required to come to class prepared (writing utensils, paper, textbooks, notes, etc).

WSCC Catalog Notification Statement:
All students attending Walters State Community College, regardless of the time and location of the class, must abide by the rules and regulations outlined in the current Walters State Catalog/Student Handbook and the current “Walters State Timetable of Classes.” A copy of the Catalog/Handbook and the “Timetable of Classes” may be obtained from the Admissions Office on the Main campus or at any of our off-campus sites. You may also access the Catalog/Handbook on-line at the following web address: http://www.ws.edu/catalog.
**Alternative Teaching Plan**
In the event of a pandemic or other college declared critical event, the lead faculty member for this course will use eLearn to communicate with the students. If the lead faculty member is affected by this event, another member from the teaching team will assume instruction for the course. The course will continue utilizing an online format of instruction and testing.

General Education Core Competency (CC) courses – ENGL 1010, SPCH 2010, MATH 1530 or 1630 or 1710, and CPSC 1100 or MGMT 1100 – must be completed by the time the student completes 30 hours of college credit towards a degree at Walters State Community College. Completion of the courses with a passing grade is the primary form of documentation of competency. Alternate methods of documentation are described in the College Catalog (“General Education Competency Requirements”).

The last day to drop a course or withdraw from the college-full term for Fall 2014 term is November 5, 2014. The last day to drop a course or withdraw from the college-full term for Spring 2015 term is April 2, 2015.

**ATTENTION:** The Natural Science faculty members are concerned with proper academic advising of students in **ALL** Pre-Professional programs. It is our explicit desire to help you with any advising problems you may encounter.