Florida Keys Community College  
Syllabus  
BSC 1086: Anatomy & Physiology II  
Fall 2011  

I. Course Information  
Course Prefix/Number/Course: BSC 1086/ Anatomy & Physiology I  
Credit Hours/Contact Hours: 3 credit hours  
Prerequisites for the course: NA  

II. Course Method  
This course is designed as an online course and therefore there are no on-campus meeting dates required. You may access the course on the first day of class at: http://online.fkcc.edu. If you have difficulty in logging in to the course or you do not see the course listed, contact the Office of Distance Learning helpline at 305-809-3177 for assistance.  

Synchronous Office Hours- Check the Announcement section of the course for synchronous office hour times. To access office hours click on "Chat" under Course Tools.  

Announcements- Weekly Announcements from your instructor will be posted on the announcements page. To access click on "Announcements" under Course Tools.  

Classroom Email- All classroom email between students and faculty members should occur within the internal D2L email system. To access click on "Mail" under Course Tools.  

III. Instructor Information:  
Instructor: Dr. Miller  
Email: SarahMillerFKCC@gmail.com, sarah.miller@online.fkcc.edu  
Office Hours: By email or via D2L chat (contact to set up appointment).  
Communication: via email. Instructor will respond to your questions within 72 hours of posting.  

IV. Description  
This course is a lecture online course of BSC1086 (Anatomy & Physiology II). This is a post-secondary introduction to human anatomy and physiology systems emphasizing the nervous system, blood and cardiovascular system, respiratory system, lymphatic and immune system, and digestive system and nutrition. This course offers excellent preparation for students interested in pursuing a career in the medical field.  

V. College-level Competencies  
Florida Keys Community College graduates who complete the core curriculum possess the knowledge, skills and values associated with college-educated individuals. Our graduates demonstrate mastery of competencies integrated within the academic disciplines, such as the
ability to effectively communicate, seek creative solutions to problems, exhibit cultural awareness, and command basic technological skills.

1. **Communication**: Comprehend and articulate effectively – written and oral communication

2. **Critical thinking**: Demonstrate mastery of problem-solving skills in the discipline

3. **Diversity**: Interpret and evaluate societal and ethical issues, problems and values

4. **Technology**: Utilize technology effectively

**VI. Course Calendar**

1. The Course Calendar lists the learning activities and assessment measures that comprise this course on a weekly basis. These activities and assessments are directly related to learning outcomes that support the overall course objectives. There are a total of 100 points that can be achieved during this 15-week course, with each weekly discussion offering a total of 4 possible points. Students are able to gauge their performance according to this grading scale throughout the duration of the course. The “Student Assessment” column lists all of the assignments required by this course and their due dates. I strongly recommend you print this out and refer to it often.

2. **Students are responsible for following the course calendar**. Consult your calendar before you start a new chapter or section. (Note: Some sections may not be covered in the same order as in the text). If you ever have a question that begins with “When is ___”, the answer is probably already published in this Course Calendar. Looking here first will probably get you a quick answer to your question.

3. **ALL assignments are due by 11:59 p.m. on the last date of each session**

<table>
<thead>
<tr>
<th>Comp Module/Week</th>
<th>Learning Outcomes</th>
<th>Learning Activities</th>
<th>Student Assessments</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>Module/Week</td>
<td>Topic</td>
<td>Assignments</td>
<td>Dates</td>
<td>Credits</td>
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<td>------------</td>
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</tr>
</tbody>
</table>
| 2 | Neuro ch 14  
Neuro ch 15 | 1. Read Chapters 14 & 15  
2. Discussion 2  
3. Ch 14 Study Guide  
| 3 | Neuro ch 15  
Autonomic Nervous System ch 16 | 1. Read Chapters 15  
2. Read ch 16  
2. Discussion 3  
3. Ch 16 Study Guide | 9/4 - 9/11 | 3.33 |
| 4 | Review ch 11-15  
Exam 1 DUE | 1. EXAM 1  
2. Discussion 4 | 9/11 - 9/18 | 13.33 |
| 5 | Endocrine System ch 17  
ch 18 | 1. Read Chapters 18 and 17  
2. Discussion 5  
3. Ch 17 Study Guide  
| 6 | Blood- ch 19, Intro to cardiac system- ch 20 | 1. Read Chapter 19 & 20  
2. Discussion 6  
3. Ch 19 Study Guide  
| 7 | Peripheral Circulation,  
Ch 21  
**SEMESTER PROJECTS DUE!**  
Guidelines on last page of syllabus | 1. Read Chapter 21  
2. Discussion 7  
3. Ch 21 Study Guide  
4. Submit Semester Project | 10/2 - 10/9 | 23.33 |
| 8 | Review Ch 17-21  
**EXAM II DUE!** | 1. EXAM II  
1. Ch 21 Study Guide | 10/16 - 10/23 | 13.33 |
<table>
<thead>
<tr>
<th>Module/Week</th>
<th>Ch 17-21</th>
<th>Review Ch 17-21</th>
<th>Discussion 9</th>
<th>Complete Exam II</th>
<th>10/23-10/30</th>
<th>3.33</th>
</tr>
</thead>
<tbody>
<tr>
<td>1, 2, 4</td>
<td>Respiratory System, ch 23</td>
<td>1. Discussion 10</td>
<td>2. Read ch 23</td>
<td>3. Ch 23 Study Guide</td>
<td>10/30-11/6</td>
<td>3.33</td>
</tr>
<tr>
<td>1, 2, 4</td>
<td>Lymphatic System, ch 22</td>
<td>1. Read Chapters 22</td>
<td>2. Discussion 11</td>
<td>3. Ch 22 Study Guide</td>
<td>11/6-11/13</td>
<td>3.33</td>
</tr>
<tr>
<td>1, 2, 3, 4</td>
<td>Digestion, ch 24</td>
<td>1. Read Chapters 24</td>
<td>2. Discussion 13</td>
<td>3. Ch 24 Study Guide</td>
<td>11/20-11/30</td>
<td>2.67</td>
</tr>
<tr>
<td>1, 2, 4</td>
<td>Final Exam opens Review all semester course topics.</td>
<td>1. Review all study guides</td>
<td>2. Reread all chapters</td>
<td>3. Discussion 14</td>
<td>11/30-12/10</td>
<td>2.67</td>
</tr>
<tr>
<td>1, 2, 3, 4</td>
<td>Final Exam DEADLINE!</td>
<td>1. Discussion 15</td>
<td>2. Final Exam is due no later than 5/1/11.</td>
<td></td>
<td>1/30-12/10</td>
<td>22.67</td>
</tr>
</tbody>
</table>

VII. Materials
ISBN: 978-0073293684

VIII. Grading Scale (This is Standard Through Out the College)
The following grade scale will apply to this class:

<table>
<thead>
<tr>
<th>Grade</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>90 % or above</td>
</tr>
<tr>
<td>B</td>
<td>80 - 90 %</td>
</tr>
<tr>
<td>C</td>
<td>70 - 80 %</td>
</tr>
<tr>
<td>D</td>
<td>60 - 70 %</td>
</tr>
<tr>
<td>F</td>
<td>below 60 %</td>
</tr>
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</table>

### Assignment Table

<table>
<thead>
<tr>
<th>Assignment</th>
<th>Points per</th>
<th>Number of assignments</th>
<th>Total points</th>
</tr>
</thead>
<tbody>
<tr>
<td>Discussion Participation</td>
<td>2.67</td>
<td>15</td>
<td>40</td>
</tr>
<tr>
<td>Research Project</td>
<td>20</td>
<td>1</td>
<td>20</td>
</tr>
<tr>
<td>Exams</td>
<td>10</td>
<td>2</td>
<td>20</td>
</tr>
<tr>
<td>Final Exam</td>
<td>20</td>
<td>1</td>
<td>20</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td></td>
<td></td>
<td><strong>100</strong></td>
</tr>
</tbody>
</table>

### IX. Class Policies

**Communications:** All class communications should be conducted via D2L. The online format of this class puts a premium on communications. The prime responsibility for timely communications rests with you - the student. We will use the following methods:

**DISCUSSION FORUMS:** Each week under the discussion tab, there will be a question to which you are to post a response during the week. Make sure that you click on the “respond” button immediately after the question. You are to make appropriate comments; for maximum point you are also to respond to at least one other student’s response that week. You should also check to see who has responded to your comments and respond to this person if it is appropriate to do so. These responses are also to be thought revealing – they are more than “I agree” or “I disagree.” You are expected to provide quality insight citing and documenting your references, in order to demonstrate an understanding of the weekly topic and provide original thought in the posts. Cutting and pasting from the text, websites, or providing a response with limited substance will receive a significantly reduced grade. As with all activities in this class, quality counts and your postings need to add value to the discussion.

For more specific requirements, see **Class Participation** on page 7.

In addition, most questions about class policies and subject matter should be posted in the discussion forum to allow the entire class to benefit from the question and the answer. There will often be important information published to the class via the Discussion Forums, such as changes in due dates, exam information, etc. You are responsible for all information published here.

Occasionally, time-sensitive announcements will be posted on Discussion Boards. You should logon to D2L 3-4 times each week to check for time-sensitive messages. Before you post a question, look through the Discussion Board. That same question may have already been asked and answered.

**D2L EMAIL:** The email utility within D2L should not be used for personal items that are not appropriate to share with the entire class.
What you can expect from me:
I normally log into D2L and check for messages at least once per day, including weekends and holidays. If you have an urgent message for me, do not post the same message both on a Discussion Forum and in an email. Doing both will waste your time and will not result in my getting the message any faster. If I expect to be out of contact for more than a couple of days, I will inform the class via the Discussion Forum.

Important Note: If I have not responded to your email or voicemail message by the end of the day after you left the message, you should assume that I did not receive it and leave another message.

Logging Off From D2L

In order to better serve our faculty and students, all D2L users should use the logoff button when completing online course work. By logging off instead of just closing your internet browser window, D2L server space is freed and system performance is optimized. In addition, logging off will more accurately record each student’s time logged into the online course.

Late Work

1. Any assignment not submitted by the date and time specified in the Course Calendar is considered late, unless you have contacted me and I have approved an extension in advance.
2. No late assignments are accepted, unless an extreme emergency has occurred and I have approved it in advance.
3. The above policy does not apply to the final exam or any other assignment that may due during the Final Exam period. No assignments due during the last week of classes will be accepted late to allow me to submit the course grades to the college on time.
4. Class participation will not be accepted late unless you have contacted me and we have mutually agreed on an alternate submission date in advance. Posting class participation messages late will add little to the class discussion of those topics.
5. Internet connection problems are not an acceptable excuse for late work. You should have a plan in place for internet access in case your primary method is unavailable. I strongly recommend submitting assignments at least one full day early to allow time to recover from technical problems.
6. If you are unable to access the online classroom due to a College server outage on the date that an assignment is due, the following guidelines apply. If I have not heard from you before the deadline I will not waive the late penalty described above.
   a. Send me an internet email before the assignment is due and attach the assignment to the email if applicable.
   b. If there is a problem with the D2L server that prevents completing an exam or quiz, I will make a reasonable accommodation and publish the information in the online classroom as soon as I am able to log on myself. The “issue” with D2L must be validated by online learning services before I consider additional exam accommodations.
7. If you are out of contact and miss a deadline due to an extenuating circumstance, I expect you to contact me as soon as possible to discuss the situation. No exceptions will be made to the above policies unless you can provide documentation of the situation that I consider adequate.
Class Participation

Class participation is defined as posting a minimum number of substantial, separate, and distinct messages to the various Discussion Forums. These discussion board messages must be posted before the deadlines in the Course Calendar to count toward your participation grade.

**For the purposes of this class, a substantial message must:**

1. Provide a good explanation of a concept or concepts related to the material discussed in the forum, or give a good example of how a concept can be applied, or provide an insightful response to a previous post.
2. Be factually correct. The post should help your classmates, and yourself, learn the material.
3. **Be at least 150 words in length.** Messages that do not meet this length requirement will earn only a small amount of partial credit, even if they are only one word short.
4. Have acceptable spelling and grammar. Although this is not a writing class, this is College. Students should get into the habit of writing complete sentences that are grammatically correct. I don’t expect your grammar to be perfect, but it should be generally correct. Take advantage of the spell check feature in D2L.
5. Be your own work. Do not plagiarize from any source (internet, textbook, etc) as the body of your post. Study the concept, and then express it in your own words. Make certain to cite and document your references.

Other key points:

1. **Only messages that meet all of the requirements of a substantial post** listed above will earn full credit for participation.
2. It is acceptable (and encouraged!) for more than one student to respond to the same message. The best way to be sure you understand a topic is to try to explain it to someone else.
3. Please use the discussion forums to ask all of the questions you have about the class material. I want you to ask a lot of questions, and these questions will contribute to your class participation grade.
4. Off-topic messages will not count toward your participation grade.
5. **If your final average is on the borderline between two letter grades, active participation (posting several messages to each forum, on average) will work to your advantage as I decide which of the two letter grades you have earned.**
6. Messages must have content that contributes to the discussion. Messages that contain a few words and merely say “I agree with you” or something similar will not earn any credit.
7. These participation points are the easiest part of your grade to earn, and also the easiest to forget to do. Don't forget!
8. Copying and pasting from any source, even if you cite the source, is not acceptable. You should study the source document and paraphrase what you learned when typing a message.

**To earn 100% for your class participation grade, you must do the following by the dates published in the Course Calendar:**

1. Post an introductory message to the class in the Introductions forum.
2. Post one substantial message in each discussion forum at any time during the week in which that forum is scheduled. (If two forums are scheduled during the same week, then one message must be posted in each forum.) Post a **MINIMUM** of two replies in each forum.
3. Some extra credit may be given for substantial messages that are posted no later than
Wednesday of the week they are due. This is to encourage students to post early in the week,
which will help generate a better class discussion within each forum.

4. If no substantial messages are posted on time in a forum, it will not be possible to earn 100%
for that forum. A small number of messages that are not substantial but do say more than “I
agree” or “Good Post!” and are more than 1 or 2 sentences in length will earn some part
credit, but not very much.

Withdrawal Policy

1. Students may withdraw without academic penalty from any course by the established
deadline published in the College’s calendar. This will result in a grade of ‘W’ for the course
and will not count against the student’s GPA.

2. Students will be permitted a maximum of two withdrawals per course. Upon the third
attempt, the student WILL NOT be permitted to withdraw in accordance with State of Florida
regulations and will receive an earned grade for that course.

3. It is the responsibility of the student wishing to withdraw from the course to do so by the date
published in the College Academic Calendar.

4. Students who abandon the course or do not withdraw themselves by the published deadline
are subject to receiving a grade of F.

5. An instructor may withdraw a student from courses for excessive absences and/or non-
attendance up to the 70% point in the semester.

Exams and Quizzes

1. I recommend the following general process for studying each chapter:
   a. Read each chapter once to get an idea of its contents.
   b. Read the chapter carefully, ensuring you understand each concept.
   c. Use the chapter notes available in the online classroom to supplement the textbook.
   d. Use the study guide. You should be able to provide a detailed explanation for each
      item in the study guide. Make sure you understand the reasons behind each correct
      answer.
   e. Use the discussion boards. These will cover many of the concepts that may appear
      on a test.
   f. If you can provide a detailed explanation for every item in the study guide and you
      understand the reasons behind the all of the correct answers in the review games, you
      will be well prepared for the tests in this class.
   g. Post any questions you have in the appropriate discussion forum. Myself or a
      classmate will be sure to help you.

2. Exams and quizzes may be taken any time ONLY during the period listed in the Course
   Calendar. They will be available for one week beginning on the Sunday prior to the due date,
   unless otherwise specified.

3. All exams and quizzes will be given online via D2L. There is no requirement to take tests on
   campus.

4. All exams and quizzes are open book and open notes. Calculators may be used.
5. All exams and quizzes will have a time limit. My goal is to test what you have learned, not what you can look up. Every test should automatically submit itself at the end of the scheduled time, but it is your responsibility to track the time you have spent and how much time you have remaining. Exams not submitted by the end of the scheduled time will be penalized.

6. The questions will be challenging. You should study as if the exams and quizzes were closed book, because you won’t have time to look up every answer. If you have to look up more than a few answers, you will run out of time.

7. Question types will be a combination of multiple choice, matching, true/false, fill in the blank, and essay.

8. On occasion, computer problems will occur during an exam or quiz. If I have to reset your attempt to allow you to complete it, then I have lost control over the time allowed for the assignment. I may, at my discretion, have you take a makeup exam since the original exam environment will have been compromised. If I have to create a makeup exam, be advised that it will be more difficult than the original exam and will likely consist entirely of essay questions. So, you need to be very careful that you don’t inadvertently cause any problems during the exam. If your regular internet access method is not reliable, you need to find a reliable access method for exams. The College has computer labs available for your use.

9. I generally do not reset final exams. If a problem occurs during a final exam, I will create a makeup exam for you as described in the previous paragraph. Be extra careful that you do not inadvertently cause any problems during the exam.

Extra Credit Work

In general, I do not permit students to complete extra credit assignments to improve their grade. To earn the grade you desire, work hard all semester.

How Much Study Time You Should Expect To Devote To This Course

1. Most educators recommend that students spend 1-2 hours outside of class studying and completing assignments for every hour spent in class. For a typical 3 credit hour class, this translates into a total of 6-9 hours every week per course. This same guideline applies to online courses. You should expect to spend a total of 6-9 hours each week studying and completing assignments for each course you take.

2. This is a guideline. Some classes will require more time and effort than this guideline and some will require less, and the time any individual student will need to spend will vary. You should expect the study time you will need in any class will be toward the high side of the guideline until at least after the first exam or quiz. Then you can compare the effort you expended with the results you earned and make any adjustments necessary.

3. This class covers a lot of material and there are some concepts that may be difficult to grasp. Experience has shown that students who are successful in this class generally have study time totals on the higher of the scale.

4. Few students do well in this course if they are spending fewer than 5 or 6 hours studying every week. If you do not have a strong background in this subject, you study time will almost certainly need to be on the higher end of the scale if you want to earn a good grade.

Academic Honesty & Plagiarism
1. Students are expected to respect and uphold the standards of honesty in submitting written work to instructors. Though occurring in many forms, plagiarism in essence involves the presentation of another person’s work as if it were the work of the presenter. Any cheating or plagiarism will result in disciplinary action to be determined by the instructor based on the severity and nature of the offense. It is the student’s responsibility to review the College’s policy on Academic Honesty.

2. Collaboration and discussion is encouraged in all course aspects other than actually completing the assigned work (quizzes, exams, homework, projects, etc). Indeed, collaboration often leads to increased understanding of the material being covered. If you have questions about an assignment, I encourage you to speak up and ask questions about it.

3. Plagiarism is a form of fraud and will not be tolerated. You are expected to do your own work. Copying text or images from any source and claiming it as your own is considered plagiarism. Submitting copied text as most or all of your answer on a homework or project is also a form of dishonesty, even if you cite the source. I want to read YOUR words, not someone else’s words. Using quoted text to support your answer will not usually be necessary in this class.

4. If I catch you in any form of academic dishonesty, you will receive a grade of zero for that assignment. If I catch you a second time, you will earn a failing grade for this class and be reported to the College.

Attendance Policy

1. I will monitor student attendance and participation in educational activities on a weekly basis. Students are required to participate in their online course each week as verified by activity within the D2L Learning Management System.

2. There will be at least one assignment in this course that is due every week of the semester, unless the College is officially closed for the entire week. These may include discussion forum posts for class participation, exams and quizzes, homework, projects, or a combination of these. I will take attendance each week based on your submission of the assignments that are due that week, so it is important that you submit every assignment on time. If you submit all of the week’s assignments late, you will be marked as absent from class for that week. If at least one assignment is submitted on time each week, you will be marked as present.

3. Simply logging into the online classroom without submitting any of the assignments due is not sufficient to count for attendance purposes.

4. Students who do not regularly participate in class by submitting the assignments that are due each week are considered absent from the class.

5. An instructor may withdraw a student from courses for excessive absences and/or non-attendance up to the 70% point in the semester.

Delays in Getting the Textbook

Having regular access to the textbook is a requirement for this class. Whenever possible students should have the text in hand before the first day of class each semester, but there will be times that students are unable to get the text until after the class begins. If you are in this situation, follow the guidelines below. These guidelines are intended to be general enough to apply to all classes you take, and they may not all apply to this class. Not having the text is not an acceptable excuse for doing no work at all in this class.
1. The FKCC library has reserve copies of the textbook available for student use. These textbook copies cannot be removed from the library.

2. During the first week of the semester, complete all of the administrative items. This includes printing the Syllabus and the Course Calendar and Assessment Measures, posting an introduction to the class, and returning the Class Contract. The text is not needed for any of these tasks.

3. Print out the study guide I prepared for this class. This will give you a good idea what topics are covered in each chapter. You should do some internet or library research on some of these topics to minimize how far you get behind. This research should also help you learn enough to participate in the class discussions.

4. Use any resources that are available in the online classroom. This includes links to web sites, review activities, handouts, PowerPoint slide shows, and anything else that may be available.

5. Reading all messages posted in the discussion forums may be the best way to keep up until you have the book in hand.

6. Look at the publisher’s web site for the text. Most publisher text sites have student resources that can help you, and many of these are available even if you do not have the text. As a minimum, the web sites usually have a Table of Contents, which can also help you get an idea what topics we will cover.

7. Please let me know if you don’t have the text by the end of the first week of class. I will not be sympathetic if you wait until after the first week of the semester to tell me you don’t have the text.

The above guidelines will probably not be enough to replace the text entirely, but they will allow you to learn enough to participate in the discussion forums each week. This participation is critical to your grade and also for attendance purposes.

Sources of Technical Assistance

If you are having any technical difficulties (e.g., logging in, accessing the discussion board, etc.) please contact the Office of Distance Learning helpline at 305-809-3177 Monday—Friday 8:00AM to 4:00PM or email your question to FKCC.helpdesk@online.fkcc.edu.

Special Needs

If you have any special needs or requirements pertaining to this course, please discuss them with the instructor early in the term. If you have special needs as addressed by the Americans with Disabilities Act (ADA) and need assistance, please notify the Office for Students with Disabilities at 305-809-3292 via email at: karla.malsheimer@fkcc.edu or the course instructor immediately. Reasonable efforts will be made to accommodate your special needs.

Community Decorum

A positive learning experience depends upon respect among all members of this classroom community. Disregard or disrespect for the process, the group or toward any individual will result in removal from the class and may result in you being dropped from the course. Respectful discourse in discussion and email areas is expected and anonymous posting will not be tolerated.
Sexual Predators

Federal and State law requires a person designated as a “sexual predator or offender” to register with the Florida Department of Law Enforcement (FDLE). The FDLE then is required to notify the local law enforcement agency where the registrant resides, attends or is employed by an institution of higher learning. Information regarding sexual predators or offenders attending or employed by an institution of higher learning may be obtained from the local law enforcement agency with jurisdiction for the particular campus, by calling the FDLE hotline (1-888-FL-PREDATOR) or (1-888-357-7332), or by visiting the FDLE website at www.fdle.state.fl.us/sexual_predators. If there are questions or concerns regarding personal safety, please contact the Campus Security Officer on your campus.
Class Contract

The Class Contract assignment is my method of ensuring you know what you should expect from me, and what I expect from you. By returning the Class Contract to me, you are acknowledging that you:

a. Understand the policies detailed in this Syllabus.
b. Understand the expectations and due dates listed in the Course Calendar and Assessment Measures.
c. Understand that you will be held accountable to the standards published in this document.
d. The Class Contract must be submitted via the dropbox by the date published in the Course Calendar and Assessment Measures.

By signing my name I acknowledge the above.

Print Name: ___________________________ Date: ___________________________

Signature: ___________________________
Research Project Guidelines:

Each student is expected to submit a comprehensive and individual powerpoint project associated with the cardiovascular system. The project is worth the equivalent of an exam grade, so adequate effort and time should be put into it.

The project includes:

1. **Powerpoint presentation**
   a. minimum of 30 slides
   b. submitted to course dropbox
   c. also submitted Discussion 15 for your classmates to review

2. **Research paper** submitted to course dropbox
   a. minimum of 1000 words on the topic of your choice (see below)
   b. paper must follow APA format guidelines

3. **One-page synopsis** (can be attached to research paper)

The project is graded on 3 parameters: overall topic/information included (70%), creativity (15%), and effort (15%) invested. Each student must submit an individual project with original writing and ideas. All sources MUST be cited in a bibliography at the end of the paper!

**Topic Ideas:** application of anatomical cardiovascular concepts to a relevant topic (such as heart disease, drugs affecting the heart, fetal heart development and malfunction, congenital heart disorders, the effect of exercise/diet on the heart, etc.)

**Content:**
Each paper must include:
- overall anatomy of the heart (chambers, valves, etc)
- path of blood flow through the heart (each student is responsible for memorizing this as well)
- a **1-page written synopsis** (with your name on it) describing your project, your rationale for choosing the project, what you learned while doing it, and anything else you choose to include. This must be submitted in the course dropbox along with your project or 5 points will be deducted from your project grade.

Submission Guidelines:
- **Powerpoint** must be submitted underneath both course dropbox AND “Discussion 15: Projects.” Within Discussion 15, you must reply to four of your classmates.
- 1000 word **paper** must be submitted under course dropbox.
- Please note: Projects not submitted to the dropbox will not be graded.