Course Syllabus

Course Name: BIOLOGICAL RESEARCH.

Course Number: 30141

BIOL 4601

Course Description:
BIOL 4601 BIOLOGICAL RESEARCH. 2 hours. Prerequisites: BIOL 1108/1108L, BIOL 4600, and 20 additional hours of biological science all with a grade of "C" or higher, and permission of the instructor. This class consists of a minimum of 6 hours per week working in conjunction with a Ph.D. researcher as part of a new or ongoing research project in a science discipline. Fall and Spring as needed.

Prerequisites:
BIOL 1108/1108L; BIOL4600 and 20 additional hours of biological science with a grade of “C” or higher; and permission of the instructor.

USG General Education Outcomes pertinent to this course:
Students will interpret scientific principles, theories and laws as they apply to the dynamic nature of scientific disciplines.

ABAC Course Learning Outcomes:
Biological Research Course Outcomes:
1. Demonstrate the ability to conduct facets of basic/applied scientific research.
2. Demonstrate the ability to interpret, write or report actual research findings done in lab i.e. Abstract, Introduction (review of literature), Materials & Methods, Results (data analysis) and Discussion, Conclusion and References.
3. Demonstrate the ability to present results of research conducted.
4. Enhance student’s appreciation for research in Biological Science

College Policy on Class Attendance:

ATTENDANCE

Courses at Abraham Baldwin Agricultural College are provided for the intellectual growth and development of students. The interaction with instructors and other students is an important element of the learning process, and a high correlation exists between class attendance and course grades. Therefore to attain maximum success, students should attend all their classes, be on time, and attend all scheduled course activities. Absence from class, for whatever reason, does not excuse a student from full responsibility for class work or assignments missed. Students must accept this responsibility.

Individual instructors will establish attendance policies for each class, will publish the policy in the course syllabus, and keep attendance records. The penalty for absences is at the discretion of the instructor and may include failure of the course. Whenever a student is absent, the student must assume responsibility for making arrangements for any assignments missed due to the absence.

A student who stops attending class without officially withdrawing will still receive a grade for the course.
A student penalized for excessive absences may appeal through the grade appeal process, as stated in ABAC’s college catalog and student handbook.

INSTITUTIONAL ABSENCE
A student who serves as an official representative of the college is defined as one who:
- is authorized to use the college name in public relationships outside the institution;
- regularly interacts with non-college individuals and groups over an extended period of time (at least one semester);
- represents the college as a part of a group and not as an individual;
- represents the college under the direct supervision of a college faculty or staff member;
- is authorized, in advance, by the President of the college.

Such a student is in no way released from the obligations and responsibilities of all students, but will not be penalized with unexcused absences when absences result from regularly scheduled activities in which he/she represents the college.

Further, it is the responsibility of each student to contact instructors prior to the absence and to make arrangements to make up any work that will be missed, in a manner acceptable to the instructor. Advisors of activities will schedule off-campus activities in a manner that does not unduly disrupt the learning process for a student.


College Policy on Academic Dishonesty:

ACADEMIC CONDUCT CODE

A. Academic Dishonesty
Academic irregularities include, but are not limited to, giving or receiving of unauthorized assistance in the preparation of any academic assignment; taking or attempting to take, stealing, or otherwise obtaining in an unauthorized manner any material pertaining to the education process; selling, giving, lending, or otherwise furnishing to any person any question and/or answers to any examination known to be scheduled at any subsequent date; fabricating, forging, or falsifying lab or clinical results; plagiarism in any form related to themes, essays, term papers, tests, and other assignments; breaching any confidentiality regarding patient information.

B. Disciplinary Procedures
1. When a faculty member suspects that a student has engaged in academic dishonesty, the faculty member will contact the Office of the Vice President for Academic Affairs. The Vice President for Academic Affairs will notify the student in writing of the report and will appoint a neutral person from among the faculty or staff to meet with the faculty member who reported the matter and the student(s) believed to have engaged in academic dishonesty. The purpose of the meeting, to be scheduled by the Office of the Vice President for Academic Affairs, will be to provide a facilitated discussion about what may have occurred. The faculty member who reported the matter, the student(s) believed to have engaged in academic dishonesty, and the facilitator are the only participants in the meeting. Neither audio nor video recordings of these proceedings will
be permitted. Following the discussion, the facilitator will submit a form summarizing results of the proceedings to the Office of the Vice President for Academic Affairs.

2. The faculty member and student(s) may reach an agreement about the matter and, if dishonesty is involved, may determine the appropriate consequences. If no resolution is agreed upon, the matter will be forwarded to the Dean of Student Life and Housing, who will convene the Student Judiciary Committee to determine the outcome of the allegation.

3. Guidelines for disciplinary procedures as outlined in Section V of the Student Code of Conduct will be applicable in cases involving alleged academic dishonesty. A written copy of the recommendations by the Student Judiciary Committee shall be sent not only to the student but also to the faculty member who made the allegations of academic dishonesty against the student, to the Vice President for Academic Affairs, and to the President.

4. Prior to any finding of responsibility on the part of the student, the faculty member shall permit the student to complete all required academic work and shall evaluate and grade all work except the assignment(s) involved in the accusation of dishonesty. The faculty member may, however, take any action reasonably necessary to collect and preserve evidence of the alleged violation and to maintain or restore the integrity of exam or laboratory conditions.

5. A student may not withdraw from a course to avoid penalty of plagiarism or other forms of academic dishonesty.


This course fully complies with the accommodations available through the office of disability services. If there is a student in this class who has documented specific needs because of learning disabilities or any other disability, please contact the instructor to discuss accommodations. Additionally, the Academic Achievement Center (ACC) at ABAC offers a free tutoring service to all students.
Course Syllabus Supplement  
Biological Research  
BIOL 4601: CRN 30141  
W 1-5PM and F 1-3PM  
Britt 102  
Spring 2016

Instructor: Dr. Heather Cathcart and Dr. Carrie Thurber  
Office: Conger 203/214  
Office Telephone: 229-391-5119/5115  
E-mail: h cathcart@abac.edu/cthurber@abac.edu  
School: Science and Mathematics (229-391-5100)

Textbook: None

Prerequisites  
It is the ultimate responsibility of a student to ensure that all prerequisite are met before he/she can be enrolled in this course. Failure to do so can create unredeemable consequences. If a student completed this course successfully (i.e A, B or C); and is found to fall short of the prerequisite(s); he or she will automatically be given an “F”.

Withdrawals/Dropping Class  
The last day that a student may withdraw from this course without penalty is Tuesday, March 1, 2016. After this date, a student withdrawing from class will receive a WF. Any student who does not officially withdraw from class will receive a final course grade of “F.” Please refer to the current online Abraham Baldwin College Catalog for specific details concerning the policy on withdrawing from a course.

Academic Dishonesty and Disability  
The College-wide policy regarding academic dishonesty and disability are described in the current online Abraham Baldwin College Catalog at http://www.abac.edu/wp-content/uploads/2013/10/2015-2016-Catalog.pdf. For purposes of this course, a zero-tolerance policy regarding all forms of academic dishonesty will be strictly followed. Reasonable accommodations will be made to students who have proper documentation and inform the instructor at the beginning of the course.

Course Description  
This class consists of a minimum of 6 hours per week working in conjunction with a Ph.D. researcher as part of a new or ongoing research project in a science discipline. It is the instructor’s responsibility to guide each student throughout the semester and engage in the progress of the student’s research project. Students are expected to develop and investigate a hypothesis of choice or within the lineage of scientific topic in the expertise of the target
researcher. Our objective is to participate in scientific conferences such as the Association of Southeastern Biologist Conference either oral or poster presentation. Time spent per week in lab will depend on student’s class schedule and preferences. The student is expected to use refereed published articles from recognized journals, books and websites to compile a poster and talk to be presented at the end of the semester. The instructor and student will meet to discuss progress of research during class time or based on student’s needs.

**Tentative Grading Policy**
In accordance with the professional judgment of the instructor, the following point system will be used to determine the final course grade. The specific requirements and due dates for each of the below will be determined by the instructor.

<table>
<thead>
<tr>
<th>Dates</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/6/16</td>
<td>Course descriptions and policies</td>
</tr>
<tr>
<td>1/20/16</td>
<td>Basic Research Protocols Due</td>
</tr>
<tr>
<td>2/03/16</td>
<td>Writing/report research: Literature Review and Materials &amp; Methods</td>
</tr>
<tr>
<td>2/17/16</td>
<td>Project Abstract</td>
</tr>
<tr>
<td>3/09/16</td>
<td>Results, Figures, Tables and Statistics</td>
</tr>
<tr>
<td>3/23/16</td>
<td>Project Poster</td>
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<tr>
<td>4/13/16</td>
<td>Project Presentation (time and room to be determined)</td>
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<tr>
<td><strong>Total Course Points</strong></td>
<td><strong>400</strong></td>
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Final course grades will be assigned as follows:
90---------------------100% = A
80---------------------89% = B
70---------------------79% = C
60---------------------69% = D
0---------------------59% = F