

## Approval Chart for Curriculum Changes

A = Approve      I= Information Item<sup>1</sup>      R= Advise & Respond<sup>2</sup>

Course Number HON 112 and HON 113

State the requested change and reason. A memo may be attached if more space is necessary.

We propose the creation of HON 112 General Biology I Honors Seminar and HON 113 General Biology II Honors Seminar in order to allow students to earn honors credit with BIOL 112 and BIOL 113, respectively. See course application documents.

Circle the number that corresponds to the requested change. Degree plan changes are on the second page.

|     |                                                                                                                   | COUNCIL <sup>3</sup> |                  |       |     |      |      |      |         |           |
|-----|-------------------------------------------------------------------------------------------------------------------|----------------------|------------------|-------|-----|------|------|------|---------|-----------|
|     | Change to a Course                                                                                                | Dept./School         | College Academic | Deans | TEC | UGEC | UUAC | GRAD | Provost | President |
| 1.  | Title (description unchanged)                                                                                     | A                    | A                | A     | I   |      |      |      | I       | I         |
| 2.  | Description (not affecting content)                                                                               | A                    | A                | A     | I   |      |      |      | I       | I         |
| 3.  | Course term(s)                                                                                                    | A                    | I                | A     | I   |      |      |      | I       | I         |
| 4.  | Content (substantive change)                                                                                      | A                    | A                | A     | I   |      |      |      | A       | A         |
| 5.  | Number of hours (lecture, lab, contact)                                                                           | A                    | A                | A     | A   |      |      |      | A       | A         |
| 6.  | Course number within the hundred                                                                                  | A                    | A                | I     | I   |      |      |      | I       | I         |
| 7.  | Course number beyond the hundred                                                                                  | A                    | A                | A     | A   |      |      |      | A       | A         |
| 8.  | Prerequisites                                                                                                     | A                    | A                | A     | I   |      |      |      | I       | I         |
| 9.  | Course fee(s)                                                                                                     | A                    | --               | A     | --  |      |      |      | A       | I         |
| 10. | From U to G <i>or</i> G to U                                                                                      | A                    | A                | A     | A   |      |      |      | A       | A         |
| 11. | Cross list with another department: U or G level                                                                  | A                    | A                | A     | A   |      |      |      | A       | A         |
| 12. | Department of record                                                                                              | A                    | A                | A     | A   |      |      |      | A       | A         |
| 13. | Open or close a course                                                                                            | A                    | A                | A     | A   |      |      |      | A       | A         |
| 14. | New course — See website for application and process.<br>This change includes combining or splitting a course(s). | A                    | A                | A     | A   |      |      |      | A       | A         |

Note: When an academic unit does not have a council, the UGEC and/or UUAC will serve as its academic council, depending on the nature of the issue.

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|     |                                                                                                             | COUNCIL <sup>3</sup> |                  |       |     |      |      |      | Board of Trustees |
|-----|-------------------------------------------------------------------------------------------------------------|----------------------|------------------|-------|-----|------|------|------|-------------------|
|     | Change to a Degree Plan                                                                                     | Dept./School         | College Academic | Deans | TEC | UGEC | UUAC | GRAD |                   |
| 1.  | University Requirements — Change in approved course content <sup>6</sup>                                    | A                    | A                | A     |     | A    |      | A    | --                |
| 2.  | University Requirements — Add or drop a required course from the University Requirements chart <sup>6</sup> | A                    | A                | A     |     | A    |      | A    | --                |
| 3.  | University Requirements — Add or drop a course from a menu within the University Requirements <sup>6</sup>  | A                    | --               | --    |     | A    |      | A    | --                |
| 4.  | University Requirements — Change hours within a menu on the University Requirements chart <sup>6</sup>      | A                    | A                | A     |     | A    |      | A    | --                |
| 5.  | Major — Revision of major <sup>4,5</sup>                                                                    | A                    | A                | A     |     | A    |      | A    | --                |
| 6.  | Major — Adopt or change admission requirements                                                              | A                    | A                | A     |     | A    |      | A    | --                |
| 7.  | Major — Add <sup>4,5</sup>                                                                                  | A                    | A                | A     |     | A    |      | A    | I                 |
| 8.  | Major — Discontinue (proposed by the department or college)                                                 | A                    | A                | A     |     | A    |      | A    | I                 |
| 9.  | Major — Discontinue (proposed by the Provost)                                                               | See below.           |                  |       |     |      |      |      |                   |
| 10. | GPA — Revise major or cumulative requirement                                                                | A                    | A                | A     |     | A    |      | A    | --                |
| 11. | Minor — Revise course selection                                                                             | A                    | A                | A     |     | I    |      | I    | --                |
| 12. | Minor — Add                                                                                                 | A                    | A                | A     |     | A    |      | A    | --                |
| 13. | Minor — Discontinue (proposed by the department or college)                                                 | A                    | A                | A     |     | A    |      | A    | --                |
| 14. | Minor — Discontinue (proposed by the Provost)                                                               | See below.           |                  |       |     |      |      |      |                   |
| 15. | Degree — Add                                                                                                | A                    | A                | A     |     | A    |      | A    | I                 |
| 16. | Degree — Discontinue (proposed by the department or college)                                                | A                    | A                | A     |     | A    |      | A    | I                 |
| 17. | Degree — Discontinue (proposed by the Provost)                                                              | See below.           |                  |       |     |      |      |      |                   |
| 18. | Any change to a graduate degree program                                                                     | A                    | A                | A     |     | A    |      | A    | --                |

|    |                                                                | COUNCIL <sup>3</sup> |            |      |     |      |          |         | Board of Trustees |
|----|----------------------------------------------------------------|----------------------|------------|------|-----|------|----------|---------|-------------------|
|    | Provost-Proposed Change                                        | Provost              | Department | Dean | TEC | UUAC | Graduate | Faculty |                   |
| 1. | Major/Graduate Program — Discontinue (proposed by the Provost) | A                    | R          | R    |     | A    |          | A       | I                 |
| 2. | Minor — Discontinue (proposed by the Provost)                  | A                    | R          | R    |     | A    |          | --      | --                |
| 3. | Degree — Discontinue (proposed by the Provost)                 | A                    | R          | R    |     | A    |          | A       | I                 |

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| COUNCIL <sup>3</sup> |                                                                                                                              |              |                  |       |      |      |      |         |         |           |
|----------------------|------------------------------------------------------------------------------------------------------------------------------|--------------|------------------|-------|------|------|------|---------|---------|-----------|
|                      | Change to the Catalog Information                                                                                            | Dept./School | College Academic | Deans | UGEC | UUAC | GRAD | Provost | Faculty | President |
| 1.                   | General requirements for graduation including course requirements that are common to all majors for all degrees <sup>7</sup> | --           | --               | --    | A    |      |      | A       | A       | A         |
| 2.                   | Admission requirements                                                                                                       | --           | --               | --    | A    |      |      | A       | A       | A         |
| 3.                   | Policies governing academic probation and suspension                                                                         | --           | --               | --    | A    |      |      | A       | A       | A         |
| 4.                   | Requirements for graduating with honors                                                                                      | --           | --               | --    | A    |      |      | A       | A       | A         |
|                      |                                                                                                                              |              |                  |       |      |      |      |         |         |           |
| 5.                   | Other academic policy changes                                                                                                | --           | --               | --    | A    |      |      | A       | --      | A         |

<sup>1</sup> Councils may request additional information about “Information” items. These items are approved as “Consent Agenda.”

<sup>2</sup> The Dean and Department should respond to the Provost’s recommendation to close a program in writing. Advise & Respond (R) requires that the voting body should receive the written responses at least one week prior to the vote.

<sup>3</sup> All courses that meet University Requirements for general education must go through UGEC. Courses or degrees offered only to students seeking teacher certification must go through the Teacher Education Council. All undergraduate changes must go before the UUAC. All graduate degree plan changes must go through the Graduate Council.

<sup>4</sup> A minimum of 30 hours is required for a major. A maximum is specified for each degree (e.g., BA, BS). The university minimum for elective hours is 6, unless the requirements of external accrediting bodies make it impossible.

<sup>5</sup> Program or course changes that apply to any major that includes Teacher Certification will be reviewed by the college, the Teacher Education Council (TEC), and then the UUAC.

<sup>6</sup> Courses that satisfy ACU’s University Requirements (General Education) will normally have lower-level numbering, be free of prerequisites and co-requisites, appeal to more than one or two majors, and “not narrowly focus on those skills, techniques, and procedures specific to a particular occupation or profession” (SACS 2.7.3). Departments may request exceptions to the first three criteria.

<sup>7</sup> The UUAC approved the clarification that “general requirements for graduation” means the enumerated items in the “General Requirements for Bachelor’s Degrees” section of the catalog.

Revised 3-8-17

## Curriculum/Catalog Changes Signature Page

| Department/School Chair(s)                                                                     |                              |
|------------------------------------------------------------------------------------------------|------------------------------|
| <br>Signature | 11 Feb 2018<br>Approval date |
| <br>Signature | 2/5/18<br>Approval date      |

| College Academic Council(s) |                        |
|-----------------------------|------------------------|
| _____<br>Signature          | _____<br>Approval date |
| _____<br>Signature          | _____<br>Approval date |

| Dean(s)                                                                                        |                          |
|------------------------------------------------------------------------------------------------|--------------------------|
| <br>Signature | 2/12/18<br>Approval date |
| _____<br>Signature                                                                             | _____<br>Approval date   |

| Teacher Education Council  |                        |
|----------------------------|------------------------|
| _____<br>Chair's signature | _____<br>Approval date |

| General Education Council  |                        |
|----------------------------|------------------------|
| _____<br>Chair's signature | _____<br>Approval date |

| Undergraduate Academic Council |                        |
|--------------------------------|------------------------|
| _____<br>Chair's signature     | _____<br>Approval date |

| Graduate Council           |                        |
|----------------------------|------------------------|
| _____<br>Chair's signature | _____<br>Approval date |

| Provost            |                        |
|--------------------|------------------------|
| _____<br>Signature | _____<br>Approval date |

| Faculty                          |                        |
|----------------------------------|------------------------|
| _____<br>Chair of faculty senate | _____<br>Approval date |

| President          |                        |
|--------------------|------------------------|
| _____<br>Signature | _____<br>Approval date |

**Application for a New Course v10.6**

|                                            |         |
|--------------------------------------------|---------|
| <b>Course ID</b> <i>Subject and Number</i> | HON 112 |
| <b>Date APPROVED</b>                       |         |
| <b>Date DENIED</b>                         |         |

**I. Systems and Catalog Information** Complete each item.

|     |                                                                                           |                                                                                                                                                                                                                                                                                                                                                              |
|-----|-------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1   | Course Developer                                                                          | Joshua M. Brokaw                                                                                                                                                                                                                                                                                                                                             |
| 2   | Course Teacher                                                                            | Joshua M. Brokaw                                                                                                                                                                                                                                                                                                                                             |
| 3   | Course Title                                                                              | General Biology I Honors Seminar                                                                                                                                                                                                                                                                                                                             |
| 4   | Course Abbreviation (if title is over 30 characters)                                      | Biology I Honors Seminar                                                                                                                                                                                                                                                                                                                                     |
| 5   | College                                                                                   | <del>College of Arts &amp; Sciences</del> Honors College                                                                                                                                                                                                                                                                                                     |
| 6   | Department                                                                                | <del>Department of Biology</del> Honors Program                                                                                                                                                                                                                                                                                                              |
| 7   | Number of Credit Hours                                                                    | 0                                                                                                                                                                                                                                                                                                                                                            |
| 8a. | Number of contact hours - lecture                                                         | 1                                                                                                                                                                                                                                                                                                                                                            |
| 8b. | Number of contact hours – lab/activity                                                    | 0                                                                                                                                                                                                                                                                                                                                                            |
| 9   | Is the course for a fixed or variable number of credit hours?                             | Fixed Credit                                                                                                                                                                                                                                                                                                                                                 |
| 10  | Explanation for variable credit                                                           |                                                                                                                                                                                                                                                                                                                                                              |
| 11  | Is the course repeatable for additional credit?                                           | No                                                                                                                                                                                                                                                                                                                                                           |
| 12  | Maximum total number of credit hours a student can earn for this course                   | 0                                                                                                                                                                                                                                                                                                                                                            |
| 13  | What type of course is this?<br>(Select one. Please see Schedule Type definitions above.) | <input type="checkbox"/> Traditional lecture<br><input type="checkbox"/> Traditional lab<br><input type="checkbox"/> Traditional lecture/lab<br><input type="checkbox"/> Experiential Learning<br><input checked="" type="checkbox"/> Seminar<br><input type="checkbox"/> Studio<br><input type="checkbox"/> Thesis<br><input type="checkbox"/> Dissertation |

|     |                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                        |
|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 14  | Instructor Workload                                                                                                                                                                              | 1 contact hour per week.                                                                                                                                                                                                                                                                               |
| 15  | Grade Mode (check all appropriate):                                                                                                                                                              | <input checked="" type="checkbox"/> Standard<br><input type="checkbox"/> Credit/No Credit (undergrad only)                                                                                                                                                                                             |
| 16  | Maximum Enrollment                                                                                                                                                                               | 14                                                                                                                                                                                                                                                                                                     |
| 17  | <b>Catalog Description</b><br>(50 words or less)                                                                                                                                                 | HON 112 General Biology I Honors Seminar (1-0-0), fall. This zero-hour seminar provides an introduction to philosophical and ethical issues that must be considered by biologists in natural history, genetics, medicine, and environmental stewardship from the perspective of a Christian worldview. |
| 18  | List any prerequisites (course/s, test scores, class standing, major, etc.)                                                                                                                      |                                                                                                                                                                                                                                                                                                        |
| 19  | List any co-requisites                                                                                                                                                                           | BIOL 112 or BIOL 113                                                                                                                                                                                                                                                                                   |
| 20  | If the course is cross listed, specify the Course ID(s); MUST have signature in Section V from all Department Chairs                                                                             |                                                                                                                                                                                                                                                                                                        |
| 21  | Does this course have any special student costs?                                                                                                                                                 | <input checked="" type="checkbox"/> No<br><input type="checkbox"/> Yes<br>(If yes, must attach a <u>completed</u> "Request to Add or Change Course Fees" form. Describe in section IV-F.)                                                                                                              |
| 22a | How frequently will the course be offered in the <b>Fall</b> ?<br>All, even or odd years?                                                                                                        | All                                                                                                                                                                                                                                                                                                    |
| 22b | How frequently will the course be offered in the <b>Spring</b> ?<br>All, even or odd years?                                                                                                      | Never                                                                                                                                                                                                                                                                                                  |
| 22c | How frequently will the course be offered in the <b>Summer</b> ?<br>All, even or odd years?                                                                                                      | Never                                                                                                                                                                                                                                                                                                  |
| 23  | First semester this course will be offered.<br><i>New courses may not be taught under their approved course ID until they appear in the catalog, therefore, no earlier than the coming fall.</i> | Fall, 2018                                                                                                                                                                                                                                                                                             |
| 24  | List course/s that should be deleted.<br><i>A course cannot be deleted when it is a requirement in a degree plan in any department.</i>                                                          |                                                                                                                                                                                                                                                                                                        |

### III. Course Design

#### 1. Audience and Course Goal

|   |                                                                |                                                                                                                                                                                                                                                            |
|---|----------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | Describe the intended audience, including prerequisite skills. | This course is intended for students completing the requirements for any Honors distinctions that require lower level honors classes. Students must be concurrently enrolled in General Biology I or General Biology II in order to receive honors credit. |
| 2 | State the overarching course goal(s) in performance terms.     | This seminar provides the opportunity for students to consider the interconnections of the biological sciences with prominent issues in society by active participation in a supportive discussion environment.                                            |

#### 2. Competencies and Measurements

|   | Competency                                                                                                                                 | Measurement                               |
|---|--------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|
| 1 | Students will demonstrate new understanding of the relationship between science and other forms of knowing, including Biblical revelation. | Pre- and post-seminar assessment surveys. |
| 2 | Students will demonstrate new understanding of the bioethical concerns of professional biologists.                                         | Pre- and post-seminar assessment surveys. |
| 3 | Students will demonstrate new understanding of the consequences of human lifestyle choices for ecological sustainability.                  | Pre- and post-seminar assessment surveys. |

#### 3. Text and Resources

1. Give the full publication information of the textbook/s and other required resources and outside readings.
2. For **combined undergraduate/graduate** courses, make two lists:
  - a. full publication information; label **Undergraduate**.
  - b. full publication information; label **Graduate**. Indicate number of pages required.

The following texts are recommended and serve as the basis for lecture topics:

*Biology Through the Eyes of Faith* – by Richard Wright (2003)

- **Publisher:** HarperOne
- **ISBN-13:** 978-0060696955
- **ISBN-10:** 0060696958

## IV. Supporting Documentation

*Supporting documents must accompany proposal prior to preliminary approval by chair and dean.*

|   |                                                                                                                                                                                                                                                                                                                                         |
|---|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | <b>Library</b> — Submit new course application and syllabus to the Dean of the Library. Consult with the director and establish a deadline for completion of the library report. <b>Attach</b> the signed copy of the Library report.                                                                                                   |
| 2 | <b>Instructional Design</b> — The application and syllabus must be reviewed by the Adams Center. <b>Attach</b> a copy of the Adams Center Review Letter.                                                                                                                                                                                |
| 3 | <b>Content Overlap</b> — Include one document for each course you listed in Section I-I. <b>Attach</b> statement from instructor/dept chair of existing course justifying the new offering.                                                                                                                                             |
| 4 | <b>Departmental Resources</b> — List the resources that support the course and are available only through the department, if applicable. <b>Attach</b> the list of the holdings and the location/s.                                                                                                                                     |
| 5 | <b>Resources</b> — List resources (other than library or departmental resources) that are needed to support this course (computers, lab equipment, other technology, etc.). <b>Attach</b> a complete list of all items and indicate possible sources or estimated cost of each. List the sources of any needed funds.                   |
| 6 | <b>Expenses</b> — List additional expenses needed to implement this course (full-time or part-time faculty, graduate or lab assistants, student employees, travel, special student costs, room renovation, storage facility, etc.). <b>Attach</b> a complete list of all items, the estimated cost of each and the source of the funds. |
| 7 | <b>Justification</b> — <b>Attach</b> all documents referred to in Section II-2                                                                                                                                                                                                                                                          |
| 8 | Syllabus — <b>Attach</b> the syllabus for the course based upon the anticipated first-semester offering.                                                                                                                                                                                                                                |
| 9 | Provide documentation for all additional attachments here                                                                                                                                                                                                                                                                               |

## V. Preliminary Approvals

All supporting documentation has been assembled and attached to this application. I believe this course is ready to be presented to appropriate councils. We have a plan to fund this new course.

Course Number and Name HON 112 General Biology I Honors Seminar

### Primary Department

Theresa E Zell

Department Chair  
Dean of the College

5 Feb. 2018

Date

\_\_\_\_\_

Date

### Cross-listing Department *Add more lines if multiple departments are cross-listing*

ph

Department Chair  
Dean of the College

Feb 12, 2018

Date

\_\_\_\_\_

Date

### Cross-listing Department *Add more lines if multiple departments are cross-listing*

\_\_\_\_\_

Department Chair  
Dean of the College

\_\_\_\_\_

Date

\_\_\_\_\_

Date

## VI. Actions *Place all actions on one page.*

Course ID: HON 112

Course Title: General Biology I Honors Seminar

**1. College Academic Council:** (for all courses)

Note: Insert additional lines for College Academic Council action for each college involved in cross-listed courses.

Approved \_\_\_\_\_ Denied \_\_\_\_\_  
College Dean or Director Date \_\_\_\_\_

Approved \_\_\_\_\_ Denied \_\_\_\_\_  
College Dean or Director Date \_\_\_\_\_

**2. Graduate Council:** (for graduate level courses)

Approved \_\_\_\_\_ Denied \_\_\_\_\_  
Dean of Graduate School Date \_\_\_\_\_

**3. Teacher Education Council:** (when applicable)

Approved \_\_\_\_\_ Denied \_\_\_\_\_  
TEC Chair Date \_\_\_\_\_

**4. University General Education Council:** (when applicable)

Approved \_\_\_\_\_ Denied \_\_\_\_\_  
Provost's designee Date \_\_\_\_\_

**5. University Undergraduate Academic Council:** (*undergraduate level courses*)

Approved \_\_\_\_\_ Denied \_\_\_\_\_  
Vice Provost Date \_\_\_\_\_

**6. Academic Provost:** (for all courses)

Approved \_\_\_\_\_ Denied \_\_\_\_\_  
Provost Date \_\_\_\_\_

**7. President of the University:** (for all courses)

Approved \_\_\_\_\_ Denied \_\_\_\_\_  
President Date \_\_\_\_\_

Attach notes, comments, or conditions from appropriate councils:

# General Biology I Honors Seminar

HON 112.H1 Fall 2018

Monday 12:00-12:50 pm

Halbert-Walling Research Center, Room 281

**ACU Mission Statement:**

*ACU:* The mission of Abilene Christian University is to educate students for Christian service and leadership throughout the world.

*College of Arts and Sciences:* The College of Arts and Sciences engages students with humanity's greatest ideas to create understanding, apply insights, and serve the world as Christian thinkers and problem solvers.

*Biology Department:* The Department of Biology educates students for Christian service and leadership by preparing them to become biological scientists, pre-college teachers, and health care professionals.

**Faculty Facilitator:**

Office: Halbert-Walling Room 232

Office Hours: 9-10 am (MTWRF), 1-2 pm (MR), or appointment\*

Phone: 325-674-2168

E-mail: josh.brokaw@acu.edu

\*E-mails are welcome at any time and can be used to schedule appointments outside of my scheduled office hours.

**Course Description:**

HON 112 General Biology I Honors Seminar (1-0-0), fall. This zero-hour seminar provides an introduction to philosophical and ethical issues that must be considered by biologists in natural history, genetics, medicine, and environmental stewardship from the perspective of a Christian worldview.

Corequisite: BIOL 112 or BIOL 113.

**Textbook:** *Biology Through the Eyes of Faith* – by Richard Wright (2003).

**Corequisites:** BIOL 112 or BIOL 113.

**Topic and Purpose:** This course consists of weekly meetings to discuss chapters of the book, *Biology Through the Eyes of Faith* – by Richard Wright (2003), and supplementary materials. Each week a different student will lead discussion and choose any additional supplementary materials for consideration.

**Anticipated Outcomes and Competency Measures:** This seminar provides the opportunity to consider the interconnections of the biological sciences with prominent issues in society. Course competencies include increased understanding of 1) the relationship between science and other forms of knowing, including Biblical revelation; 2) bioethics; and 3) ecological sustainability. Student outcomes will be variable and will be measured with **pre/post seminar assessments**.

**Pre/Post Seminar Assessments:** These assessments are web-based surveys composed of several questions related to the seminar topics. **Both assessments must be completed in order to be useful and to receive any credit for the course.** Answers do not necessarily have “correct” options. Rather, these surveys will be used to assess the impact of the seminar on the answers (and responders). Individual responses will be analyzed by the faculty facilitator but will not be released to anyone else but the responder. However, patterns of change among all participants in the course at large will be shared with the group in order to allow individuals to compare their own answers before and after the seminar and to the overall group. **The pre-seminar assessment is due before the first meeting. The post-seminar assessment is due within one day following the last meeting.**

**Course Credit and Attendance/Participation:** This is an ungraded course that results in either **honors credit or no credit.** Students will be required to lead at least one discussion in order to receive credit. When not leading discussion, **perfect attendance, reading and participation in discussions are expected in order to receive credit.** One unexcused absence will be allowed without penalty but is strongly discouraged. If two unexcused absences occur, then you will be withdrawn from the course. The **only** acceptable excuses for missing class are 1) illness with doctor's letter (note: the school medical clinic **does not** provide excuse notes under most circumstances), 2) death in immediate family (parents, siblings, grandparents), 3) official school trips (with **advance** approvals).

**Schedule:** \* Any changes to planned topics will be communicated orally and/or in writing to students.

| Week | Date   | Topic                                              |
|------|--------|----------------------------------------------------|
| 1    | 28 Aug | No Meeting                                         |
| 2    | 4 Sep  | Biology and Worldviews                             |
| 3    | 11 Sep | God and His World                                  |
| 4    | 18 Sep | The Scientific Enterprise                          |
| 5    | 25 Sep | Relating Science and Christian Thought             |
| 6    | 2 Oct  | Perspectives in Genesis 1                          |
| 7    | 9 Oct  | How Did Life Begin?                                |
| 8    | 16 Oct | The Darwinian Revolution                           |
|      | 23 Oct | Where Are You, Adam?                               |
| 9    | 30 Oct | The Biomedical Revolution                          |
| 10   | 6 Nov  | The Genetic Revolution                             |
| 11   | 13 Nov | Recent Advances in Genetics and Medicine (Handout) |
| 12   | 20 Nov | Stewards of Creation (Thanksgiving Week)           |
| 13   | 27 Nov | The Environmental Revolution                       |
| 14   | 4 Dec  | When Earth and Heaven Are One                      |

**Behavior/Dress Code:** Any behavior or dress that distracts other students or inhibits learning will receive one warning. If there is a second infringement, you will be asked to leave class. Harassment will not be tolerated: <http://www.acu.edu/community/offices/hr-finance/hr/title-ix/overview.html>

**Learning Disabilities:** If you have a documented disability and wish to discuss academic accommodations, you must contact the *ACU Student Disability Services Office* (part of *Alpha Academic Service*) at (325) 674-2667 to make an appointment with the Director of Disability Services. In order to receive accommodations, you must be registered with them for each class in which you need accommodations. They will make necessary arrangements in cooperation with instructors.

**Academic Integrity:** Academic integrity is defined as academic work completed as assigned for each class. Violations of academic integrity and other forms of cheating involve the intention to deceive, mislead, or misrepresent. Academic misconduct includes, but is not limited to, the following: 1) Cheating on exams and quizzes, 2) Failure to give credit to sources used in a work in an attempt to present the work as one's own, 3) Submission of papers or projects obtained from another source (e.g., research service or club paper file) as one's own, and 4) Falsifying information orally or in writing. Academic misconduct may result in, but is not limited to, withdrawal from the course. Additionally, the department chair, Dean of the College of Arts and Sciences, and the Dean of Student Life will be notified. See the full university policy, including how to appeal a decision, by following this link: <http://www.acu.edu/content/dam/community/documents/cas/cas-academic-integrity.pdf>

**Faith and Inquiry:** As with all areas worthy of inquiry, material in this course **will** challenge your understanding of the world (i.e. challenge your worldview). It is our objective in the Abilene Christian Biology Department to provide the space for your questions and your personal development during this process because we believe that faith will be tempered through adversity. "Then we will no longer be infants, tossed back and forth by the waves, and blown here and there by every wind of teaching and by the cunning and craftiness of people in their deceitful scheming." (**Ephesians 4:14**).

# ABILENE CHRISTIAN UNIVERSITY

## LIBRARY

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### M E M O R A N D U M

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**DATE:** 14:47  
**TO:** Dr. Josh Brokaw  
**FROM:** Mark McCallon, Associate Dean for Library Services  
**RE:** Course Application for HON 112 – General Biology | Honors Seminar

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After reviewing the course application, the library can support the proposed course. If you require additional library resources in support of the course, please contact Erica Pye, Librarian Liaison for the Department of Biology, at [exp10a@acu.edu](mailto:exp10a@acu.edu). Thank you for letting the library review the course application.

**Application for a New Course v10.6**

|                                            |         |
|--------------------------------------------|---------|
| <b>Course ID</b> <i>Subject and Number</i> | HON 113 |
| <b>Date APPROVED</b>                       |         |
| <b>Date DENIED</b>                         |         |

**I. Systems and Catalog Information** Complete each item.

|     |                                                                                           |                                                                                                                                                                                                                                                                                                                                                              |
|-----|-------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1   | Course Developer                                                                          | Joshua M. Brokaw                                                                                                                                                                                                                                                                                                                                             |
| 2   | Course Teacher                                                                            | Joshua M. Brokaw                                                                                                                                                                                                                                                                                                                                             |
| 3   | Course Title                                                                              | General Biology II Honors Seminar                                                                                                                                                                                                                                                                                                                            |
| 4   | Course Abbreviation (if title is over 30 characters)                                      | Biology II Honors Seminar                                                                                                                                                                                                                                                                                                                                    |
| 5   | College                                                                                   | <del>College of Arts &amp; Sciences</del> Honors College                                                                                                                                                                                                                                                                                                     |
| 6   | Department                                                                                | <del>Department of Biology</del> Honors Program                                                                                                                                                                                                                                                                                                              |
| 7   | Number of Credit Hours                                                                    | 0                                                                                                                                                                                                                                                                                                                                                            |
| 8a. | Number of contact hours - lecture                                                         | 1                                                                                                                                                                                                                                                                                                                                                            |
| 8b. | Number of contact hours – lab/activity                                                    | 0                                                                                                                                                                                                                                                                                                                                                            |
| 9   | Is the course for a fixed or variable number of credit hours?                             | Fixed Credit                                                                                                                                                                                                                                                                                                                                                 |
| 10  | Explanation for variable credit                                                           |                                                                                                                                                                                                                                                                                                                                                              |
| 11  | Is the course repeatable for additional credit?                                           | No                                                                                                                                                                                                                                                                                                                                                           |
| 12  | Maximum total number of credit hours a student can earn for this course                   | 0                                                                                                                                                                                                                                                                                                                                                            |
| 13  | What type of course is this?<br>(Select one. Please see Schedule Type definitions above.) | <input type="checkbox"/> Traditional lecture<br><input type="checkbox"/> Traditional lab<br><input type="checkbox"/> Traditional lecture/lab<br><input type="checkbox"/> Experiential Learning<br><input checked="" type="checkbox"/> Seminar<br><input type="checkbox"/> Studio<br><input type="checkbox"/> Thesis<br><input type="checkbox"/> Dissertation |

|     |                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                              |
|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 14  | Instructor Workload                                                                                                                                                                              | 1 contact hour per week.                                                                                                                                                                                                                                                                     |
| 15  | Grade Mode (check all appropriate):                                                                                                                                                              | <input checked="" type="checkbox"/> Standard<br><input type="checkbox"/> Credit/No Credit (undergrad only)                                                                                                                                                                                   |
| 16  | Maximum Enrollment                                                                                                                                                                               | 14                                                                                                                                                                                                                                                                                           |
| 17  | <b>Catalog Description</b><br>(50 words or less)                                                                                                                                                 | HON 113 General Biology II Honors Seminar (1-0-0), spring. This zero-hour seminar provides students a supportive environment to reflect upon the nature of the relationship between the creation and its Creator from the perspective of the biological sciences with a Christian worldview. |
| 18  | List any prerequisites (course/s, test scores, class standing, major, etc.)                                                                                                                      |                                                                                                                                                                                                                                                                                              |
| 19  | List any co-requisites                                                                                                                                                                           | BIOL 112 or BIOL 113                                                                                                                                                                                                                                                                         |
| 20  | If the course is cross listed, specify the Course ID(s); MUST have signature in Section V from all Department Chairs                                                                             |                                                                                                                                                                                                                                                                                              |
| 21  | Does this course have any special student costs?                                                                                                                                                 | <input checked="" type="checkbox"/> No<br><input type="checkbox"/> Yes<br>(If yes, must attach a <u>completed</u> "Request to Add or Change Course Fees" form. Describe in section IV-F.)                                                                                                    |
| 22a | How frequently will the course be offered in the <b>Fall</b> ?<br>All, even or odd years?                                                                                                        | Never                                                                                                                                                                                                                                                                                        |
| 22b | How frequently will the course be offered in the <b>Spring</b> ?<br>All, even or odd years?                                                                                                      | All                                                                                                                                                                                                                                                                                          |
| 22c | How frequently will the course be offered in the <b>Summer</b> ?<br>All, even or odd years?                                                                                                      | Never                                                                                                                                                                                                                                                                                        |
| 23  | First semester this course will be offered.<br><i>New courses may not be taught under their approved course ID until they appear in the catalog, therefore, no earlier than the coming fall.</i> | Spring, 2019                                                                                                                                                                                                                                                                                 |
| 24  | List course/s that should be deleted.<br><i>A course cannot be deleted when it is a requirement in a degree plan in any department.</i>                                                          |                                                                                                                                                                                                                                                                                              |

### III. Course Design

#### 1. Audience and Course Goal

|   |                                                                |                                                                                                                                                                                                                                                            |
|---|----------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | Describe the intended audience, including prerequisite skills. | This course is intended for students completing the requirements for any Honors distinctions that require lower level honors classes. Students must be concurrently enrolled in General Biology I or General Biology II in order to receive honors credit. |
| 2 | State the overarching course goal(s) in performance terms.     | This seminar provides the opportunity for students to consider the interconnections of religious/cultural identity and the development of scientific theories.                                                                                             |

#### 2. Competencies and Measurements

|   | Competency                                                                                                                                                   | Measurement                               |
|---|--------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|
| 1 | Students will demonstrate new understanding of worldviews and the relationship between the process of discovery and concepts of ethics, values, and purpose. | Pre- and post-seminar assessment surveys. |
| 2 | Students will demonstrate new understanding of the concepts of natural and supernatural.                                                                     | Pre- and post-seminar assessment surveys. |
| 3 | Students will demonstrate new understanding of the relationship between shared knowledge and community inclusion.                                            | Pre- and post-seminar assessment surveys. |

#### 3. Text and Resources

1. Give the full publication information of the textbook/s and other required resources and outside readings.
2. For **combined undergraduate/graduate** courses, make two lists:
  - a. full publication information; label **Undergraduate**.
  - b. full publication information; label **Graduate**. Indicate number of pages required.

The following texts are recommended and serve as the basis for lecture topics:

*Origins: Christian Perspectives on Creation, Evolution, and Intelligent Design*

– by Deborah Haarsma and Loren D. Haarsma (2011)

- **Publisher:** Faith Alive Christian Resources
- **ISBN-10:** 159255573X
- **ISBN-13:** 978-1592555734

## IV. Supporting Documentation

*Supporting documents must accompany proposal prior to preliminary approval by chair and dean.*

|   |                                                                                                                                                                                                                                                                                                                                         |
|---|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | <b>Library</b> — Submit new course application and syllabus to the Dean of the Library. Consult with the director and establish a deadline for completion of the library report. <b>Attach</b> the signed copy of the Library report.                                                                                                   |
| 2 | <b>Instructional Design</b> — The application and syllabus must be reviewed by the Adams Center. <b>Attach</b> a copy of the Adams Center Review Letter.                                                                                                                                                                                |
| 3 | <b>Content Overlap</b> — Include one document for each course you listed in Section I-I. <b>Attach</b> statement from instructor/dept chair of existing course justifying the new offering.                                                                                                                                             |
| 4 | <b>Departmental Resources</b> — List the resources that support the course and are available only through the department, if applicable. <b>Attach</b> the list of the holdings and the location/s.                                                                                                                                     |
| 5 | <b>Resources</b> — List resources (other than library or departmental resources) that are needed to support this course (computers, lab equipment, other technology, etc.). <b>Attach</b> a complete list of all items and indicate possible sources or estimated cost of each. List the sources of any needed funds.                   |
| 6 | <b>Expenses</b> — List additional expenses needed to implement this course (full-time or part-time faculty, graduate or lab assistants, student employees, travel, special student costs, room renovation, storage facility, etc.). <b>Attach</b> a complete list of all items, the estimated cost of each and the source of the funds. |
| 7 | <b>Justification</b> — <b>Attach</b> all documents referred to in Section II-2                                                                                                                                                                                                                                                          |
| 8 | Syllabus — <b>Attach</b> the syllabus for the course based upon the anticipated first-semester offering.                                                                                                                                                                                                                                |
| 9 | Provide documentation for all additional attachments here                                                                                                                                                                                                                                                                               |

## V. Preliminary Approvals

All supporting documentation has been assembled and attached to this application. I believe this course is ready to be presented to appropriate councils. We have a plan to fund this new course.

Course Number and Name HON 113 General Biology II Honors Seminar

### Primary Department

Thomas E. Zell

Department Chair  
Dean of the College

5 Feb. 2018  
Date

\_\_\_\_\_

\_\_\_\_\_ Date

### Cross-listing Department *Add more lines if multiple departments are cross-listing*

[Signature]

Department Chair  
Dean of the College

Feb 12, 2018  
Date

\_\_\_\_\_

\_\_\_\_\_ Date

### Cross-listing Department *Add more lines if multiple departments are cross-listing*

\_\_\_\_\_  
Department Chair  
Dean of the College

\_\_\_\_\_  
Date

\_\_\_\_\_

\_\_\_\_\_ Date

## VI. Actions *Place all actions on one page.*

Course ID: HON 113

Course Title: General Biology II Honors Seminar

### 1. College Academic Council: (for all courses)

Note: Insert additional lines for College Academic Council action for each college involved in cross-listed courses.

Approved \_\_\_\_\_ Denied \_\_\_\_\_  
College Dean or Director Date \_\_\_\_\_

Approved \_\_\_\_\_ Denied \_\_\_\_\_  
College Dean or Director Date \_\_\_\_\_

### 2. Graduate Council: (for graduate level courses)

Approved \_\_\_\_\_ Denied \_\_\_\_\_  
Dean of Graduate School Date \_\_\_\_\_

### 3. Teacher Education Council: (when applicable)

Approved \_\_\_\_\_ Denied \_\_\_\_\_  
TEC Chair Date \_\_\_\_\_

### 4. University General Education Council: (when applicable)

Approved \_\_\_\_\_ Denied \_\_\_\_\_  
Provost's designee Date \_\_\_\_\_

### 5. University Undergraduate Academic Council: (*undergraduate level courses*)

Approved \_\_\_\_\_ Denied \_\_\_\_\_  
Vice Provost Date \_\_\_\_\_

### 6. Academic Provost: (for all courses)

Approved \_\_\_\_\_ Denied \_\_\_\_\_  
Provost Date \_\_\_\_\_

### 7. President of the University: (for all courses)

Approved \_\_\_\_\_ Denied \_\_\_\_\_  
President Date \_\_\_\_\_

Attach notes, comments, or conditions from appropriate councils:

# General Biology II Honors Seminar

HON 113.H1 Spring 2019

Wednesday 12:00-12:50 pm

Halbert-Walling Research Center, Room 281

## **ACU Mission Statement:**

*ACU:* The mission of Abilene Christian University is to educate students for Christian service and leadership throughout the world.

*College of Arts and Sciences:* The College of Arts and Sciences engages students with humanity's greatest ideas to create understanding, apply insights, and serve the world as Christian thinkers and problem solvers.

*Biology Department:* The Department of Biology educates students for Christian service and leadership by preparing them to become biological scientists, pre-college teachers, and health care professionals.

## **Faculty Facilitator:**

Office: Halbert-Walling Room 232

Office Hours: 9-10 am (MTWRF), 1-2 pm (MR), or appointment\*

Phone: 325-674-2168

E-mail: josh.brokaw@acu.edu

\*E-mails are welcome at any time and can be used to schedule appointments outside of my scheduled office hours.

## **Course Description:**

HON 113 General Biology II Honors Seminar (1-0-0), spring. This zero-hour seminar provides students a supportive environment to reflect upon the nature of the relationship between the creation and its Creator from the perspective of the biological sciences with a Christian worldview. Corequisite: BIOL 112 or BIOL 113.

**Textbook:** *Origins: Christian Perspectives on Creation, Evolution, and Intelligent Design*  
– by Deborah Haarsma and Loren D. Haarsma (2011).

**Corequisites:** BIOL 112 or BIOL 113.

**Topic and Purpose:** This course consists of weekly meetings to discuss chapters of the book, *Origins: Christian Perspectives on Creation, Evolution, and Intelligent Design* by Deborah Haarsma and Loren D. Haarsma (2011), and supplementary materials. Each week a different student will lead discussion and choose any additional supplementary materials for consideration.

**Anticipated Outcomes and Measures:** This seminar provides the opportunity to consider the interconnections of religious/cultural identity and the development of scientific theories. Course competencies include increased understanding of 1) **worldviews** and the relationship between the process of **discovery** and concepts of **ethics, values, and purpose**; 2) **concepts of natural and supernatural**; and 3) the relationship between **shared knowledge and community inclusion**. Student outcomes will be variable and will be measured with **pre/post seminar assessments**.

**Pre/Post Seminar Assessments:** These assessments are web-based surveys composed of several questions related to the seminar topics. **Both assessments must be completed in order to be useful and to receive any credit for the course.** Answers do not necessarily have “correct” options. Rather, these surveys will be used to assess the impact of the seminar on the answers (and responders). Individual responses will be analyzed by the faculty facilitator but will not be released to anyone else but the responder. However, patterns of change among all participants in the course at large will be shared with the group in order to allow individuals to compare their own answers before and after the seminar and to the overall group. **The pre-seminar assessment is due before the first meeting. The post-seminar assessment is due within one day following the last meeting.**

**Course Credit and Attendance/Participation:** This is an ungraded course that results in either **honors credit or no credit.** Students will be required to lead at least one discussion in order to receive credit. When not leading discussion, **perfect attendance, reading and participation in discussions are expected in order to receive credit. One unexcused absence will be allowed without penalty but is strongly discouraged. If two unexcused absences occur, then you will be withdrawn from the course.** The **only** acceptable excuses for missing class are 1) illness with doctor's letter (note: the school medical clinic **does not** provide excuse notes under most circumstances), 2) death in immediate family (parents, siblings, grandparents), 3) official school trips (with **advance** approvals).

**Schedule:** \* Any changes to planned topics will be communicated orally and/or in writing to students.

| Week | Date   | Topic                                              |
|------|--------|----------------------------------------------------|
| 1    | 17 Jan | No Meeting                                         |
| 2    | 24 Jan | God's Word and God's World                         |
| 3    | 31 Jan | Worldviews and Science                             |
| 4    | 7 Feb  | Science: A Process for Studying God's World        |
| 5    | 14 Feb | God's Word and God's World in Conflict?            |
| 6    | 21 Feb | Genesis: Concordist Interpretations                |
| 7    | 28 Feb | Genesis: Non-concordist Interpretations            |
| 8    | 7 Mar  | An Ancient and Dynamic Universe                    |
|      | 14 Mar | Competing Views on Evolution                       |
| 9    | 21 Mar | Evidence for Plant and Animal Evolution            |
| 10   | 28 Mar | Intelligent Design                                 |
| 11   | 4 Apr  | Scientific and Theological Issues on Human Origins |
| 12   | 11 Apr | Adam and Eve                                       |
| 13   | 18 Apr | But What About...?                                 |
| 14   | 25 Apr | Wonder and Worship                                 |
| 15   | 2 May  | God's Word and God's World                         |

**Behavior/Dress Code:** Any behavior or dress that distracts other students or inhibits learning will receive one warning. If there is a second infringement, you will be asked to leave class. Harassment will not be tolerated: <http://www.acu.edu/community/offices/hr-finance/hr/title-ix/overview.html>

**Learning Disabilities:** If you have a documented disability and wish to discuss academic accommodations, you must contact the *ACU Student Disability Services Office* (part of *Alpha Academic Service*) at (325) 674-2667 to make an appointment with the Director of Disability Services. In order to

receive accommodations, you must be registered with them for each class in which you need accommodations. They will make necessary arrangements in cooperation with instructors.

**Academic Integrity:** Academic integrity is defined as academic work completed as assigned for each class. Violations of academic integrity and other forms of cheating involve the intention to deceive, mislead, or misrepresent. Academic misconduct includes, but is not limited to, the following: 1) Cheating on exams and quizzes, 2) Failure to give credit to sources used in a work in an attempt to present the work as one's own, 3) Submission of papers or projects obtained from another source (e.g., research service or club paper file) as one's own, and 4) Falsifying information orally or in writing. Academic misconduct may result in, but is not limited to, withdrawal from the course. Additionally, the department chair, Dean of the College of Arts and Sciences, and the Dean of Student Life will be notified. See the full university policy, including how to appeal a decision, by following this link: <http://www.acu.edu/content/dam/community/documents/cas/cas-academic-integrity.pdf>

**Faith and Inquiry:** As with all areas worthy of inquiry, material in this course **will** challenge your understanding of the world (i.e. challenge your worldview). It is our objective in the Abilene Christian Biology Department to provide the space for your questions and your personal development during this process because we believe that faith will be tempered through adversity. "Then we will no longer be infants, tossed back and forth by the waves, and blown here and there by every wind of teaching and by the cunning and craftiness of people in their deceitful scheming." (**Ephesians 4:14**).

# ABILENE CHRISTIAN UNIVERSITY

## LIBRARY

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### M E M O R A N D U M

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**DATE:** 14:47  
**TO:** Dr. Josh Brokaw  
**FROM:** Mark McCallon, Associate Dean for Library Services  
**RE:** Course Application for HON 113 – General Biology II Honors Seminar

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After reviewing the course application, the library can support the proposed course. If you require additional library resources in support of the course, please contact Erica Pye, Librarian Liaison for the Department of Biology, at [exp10a@acu.edu](mailto:exp10a@acu.edu). Thank you for letting the library review the course application.

January 26, 2018

Dr. Joshua M. Brokaw  
ACU Box 27868  
325-674-2168  
josh.brokaw@acu.edu

Re: Review of HON 112 and HON113

Dear Dr. Brokaw,

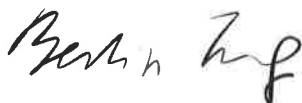
Thank you for submitting HON 112: Honors Seminar I and HON 113: Honors Seminar II. I have reviewed it based on the ACU Syllabus Guidelines and found them to be meeting the requirements. In both syllabi, a few items are missing given the nature of the courses as you explained to me in the email. Please check my attached list of items to make sure if you need to add them.

However, here are a few changes you might want to consider:

- I cannot see how students are supposed to participate in the courses during the times they meet. Will they simply listen to the lectures? Are there any student activities during the course, other than filling out a pre-assessment and a post assessment?
- It is not clear why student outcomes should be variable, even though I understand survey results can be variable. Is there a way to tell if a student has achieved the understanding in the "anticipated outcomes and competency measures" section?

Please note that this letter is used during the review process as a reference. It is not meant to be final approval. Others in the review process may have recommendations too.

If you have any questions, please feel free to let me know. Please also let the instructional design team know if we can be of any help in the design and facilitation of this course.



Director of Instructional Design, Adams Center

Berlin Fang of the Adams Center suggested two changes to the syllabus to consider:

1. I cannot see how students are supposed to participate in the courses during the times they meet. Will they simply listen to the lectures? Are there any student activities during the course, other than filling out a pre-assessment and a post assessment?
2. It is not clear why student outcomes should be variable, even though I understand survey results can be variable. Is there a way to tell if a student has achieved the understanding in the "anticipated outcomes and competency measures" section?

Here we provide further clarification of these issues:

1. Student will be expected to lead at least one discussion during the course and to actively participate in discussion during meetings. These student activities were listed in the version of the syllabus reviewed by the Adams Center; however, we have increased the visibility of statements regarding activities in revisions.
2. Student outcomes will be variable because different students approach philosophical questions from different worldviews and may also differ in their intrinsic abilities to adjust to change. Thus, we do not consider equal outcomes to be the ultimate or ideal goal of this experience. However, the pre-seminar assessment and the post-seminar assessment will be compared in order to measure changes in student attitudes that have resulted from the seminars.

From the syllabus:

"Individual responses will be analyzed by the faculty facilitator but will not be released to anyone else but the responder. However, patterns of change among all participants in the course at large will be shared with the group in order to allow individuals to compare their own answers before and after the seminar and to the overall group."

Therefore, we believe that the concerns listed above had already been addressed in the written syllabi prior to the application.

**Joshua Brokaw** <jmb97t@acu.edu>  
To: Karen Witemeyer <kmw03d@acu.edu>  
Cc: Josh Brokaw <jmb97t@acu.edu>

Mon, Mar 5, 2018 at 4:45 PM

Hi Karen,

The reason that we offer either BIOL 112 or 113 as co-requisites is that the content of HON 112 and 113 could adequately supplement either BIOL 112 or 113 with important philosophical questions that all biologists must consider.

However, we offer BIOL 112 and 113 during both fall and spring, but we do not have enough professors to offer HON 112 and 113 during both semesters.

Because of this limitation in the honors activities, we were previously only able to allow students to have honors credit for BIOL 112 in the fall and for BIOL 113 in the spring; anyone who took those classes during the alternate semesters had to be excluded from our honors opportunities.

This new organization allows students to participate in the honors credits even if they come to ACU and jump straight into BIOL 113 in the fall because they already had credit for BIOL 112 from high school; since it is common for honors students to skip a course, this is an important accommodation.

Thanks,

Joshua M. Brokaw, Ph.D.  
Associate Professor  
Department of Biology  
Abilene Christian University  
ACU Box 27868  
Abilene, Texas 79699-7868  
[325-674-2168](tel:325-674-2168)  
[josh.brokaw@acu.edu](mailto:josh.brokaw@acu.edu)