Date: Friday, March 31, 2017  
Time: 10:00 a.m. to 2:00 p.m.  
Location: University of Central Florida - 3100 Technology Pkwy, Orlando, FL 32826  
Partnership Building 3, Room 233

Agenda

I. Welcome and Introductions

II. Review Past Meeting Minutes

III. Pre-Health Advising Presentation - Dr. Erin Myszkowski

IV. Reviewing Alignment
   - Course Updates
   - Shared Assessments

V. Lunch Break – 12:00pm (will be provided)

VI. Pedagogy
   - Teaching strategies that work

VII. Next Steps

VIII. Set Fall Meeting Date and Identify Host

IX. Adjourn
CENTRAL FLORIDA REGIONAL
BIOLOGY CURRICULUM ALIGNMENT MEETING

Minutes

Date: Friday, March 31, 2017
Time: 10:00 a.m. – 2:00 p.m.
Location: University of Central Florida
3100 Technology Parkway, Orlando, FL 32825
Building: Partnership III, Room 233

Meeting began at 10:00 a.m.

ATTENDEES
Emilie Bottorff (UCF), Karen Braley (Daytona State College), Flora Chisholm (Valencia College), Teresa Dorman (UCF), Pat Ferguson (Seminole State College), Kerry-Ann Gore (Valencia College), Kathlene Jarvis (K-12), Chris Leibner (Lake-Sumter State College), Kim Maznicki (Seminole State College), Erin Myszkowski (UCF), Laila Nimri (Seminole State College), Harrison Oonge (UCF), Jessica Schrader (Eastern Florida State College), Angie Smith (UCF), Rob Vanderveer (Eastern Florida State College), Graham Worthy (UCF), Gabrielle Younker (Valencia College)

WELCOME / INTRODUCTIONS
Harrison Oonge welcomed attendees and then asked everyone to introduce herself or himself.

REVIEW OF PAST MEETING MINUTES
The minutes from the February 19, 2016 meeting were reviewed with changes suggested.

- Clarification that the UCF lower level course (BSC2500) mentioned by Eric Hoffman was still a concept still under discussion. It would be a refresher course/"introduction to the major" covering topics such as: philosophy of the sciences, skills needed, critical thinking, introduction to writing lab reports, preparation for upper-division courses.
- This course concept is being considered because UCF/Biology data show that 60% of transfer students are lost after the first semester.

Harrison Oonge reminded participants that in the February 19, 2016 meeting it was decided that Biology would hold a meeting once per year versus a meeting in fall and spring. Harrison Oonge also reviewed the Curriculum Alignment Initiative goals.

Pat Ferguson motioned to approve the February 19, 2016 minutes and the motion was seconded by Teresa Dorman. The minutes were approved unanimously.

PRE-HEALTH ADVISING PRESENTATION – DR. ERIN MYSZKOWSKI
Dr. Erin Myszkowski gave a presentation to the participants on pre-health advising. During Dr. Myszkowski’s presentation, the following items were discussed:
1. Key components to advising pre-health students
2. Science prerequisite course
   a. Community College / State College / University
3. Q&A

Following Dr. Myszkowski’s presentation, Harrison Oonge stated Dr. Myszkowski would be presenting other curriculum alignment disciplines – notably Chemistry.

**COURSE SEQUENCE DATA**
Teresa Dorman reviewed the most recent course sequence data. Kim Maznicki requested data specific to Seminole State College’s course sequences (if available). Jessica Schrader commented that it may be helpful to review completion and job placement rates for Biology majors. Where do they go after UCF? Graham Worthy noted that data on completion and job placement rates may be spotty.

It was noted that UCF offers a Destination Survey for graduating students. Where are you going next? Roughly 80% of graduates complete the survey. Valencia College requires students to declare a meta-major at time of transfer. Harrison Oonge commented that the development of degree map may be helpful.

- Grant-Frontier
- Pilot with Valencia College (7 majors)
- Develop 2+2 map
- Think of volunteer opportunities before transferring to UCF
- Model Valencia College East Campus’s Pegasus Map?

**ACTION ITEM(S):**
- Teresa Dorman to send all updated data sets to Kim Maznicki which shows transfer students vs. UCF students. (done)
- Teresa Dorman to investigate data on completion and job placement rates – share results of “First Destination Survey” for the major
- Follow-up with IKM or Angie Smith (RCA) – How do students who start at the different state colleges, declare “STEM/Health Sciences” as the meta-major and transfer to UCF compare? How successful are they in the Biology major?

**REVIEWING ALIGNMENT**

**Course Updates**
Course outcomes for Biology I were reviewed and minor edits were made. Course outcomes for Biology II were reviewed. The question was asked – what is the goal of the course? It was suggested that topics and sub-topics should be developed based on this question.

Graham Worthy stated that there are six tracks for a Biology degree for Fall 2017. They are as
follows:

1. General Biology
2. Plant Sciences
3. Marine Science
4. Ecology
5. Zoology/Pre-Vet
6. Pre-Health

Graham stated that all prerequisites are the same for all tracks. A lab course is now required for all tracks. A unique capstone course for each is currently under development and will be implemented soon. A road map for all tracks can be found on the biology website

https://sciences.ucf.edu/biology/

Participants discussed alignment of textbooks. It was mentioned that the current textbook in use is being updated. All partner institutions are assessing changing textbooks. Jessica Schrader (Eastern Florida State College) mentioned that mostly likely they will remain with the current edition published by Campbell as the current edition is heavily tied to labs.

Teresa Dorman reviewed the course prerequisite worksheet. Teresa noted that the prerequisite spreadsheet was populated based on the latest syllabi. Eastern Florida State College noted some changes and Teresa Dorman updated the spreadsheet accordingly.

It was noted that Anatomy and Physiology II & II are no longer accepted by UCF (excludes the Nursing program). Discussion on these courses will not be continued.

Participants also reviewed the internal alignment spreadsheet for Fall 2016.

Teresa Dorman asked – what do we need to forward student success? Is there a gap between Biology I & II? (Veterans)

**ACTION ITEM(S):**
- Send updated syllabi for BSC1/2011 to Harrison Oonge (cc: Teresa Dorman & Emilie Bottorff)
- Share Biology I course outcomes with meeting minutes
- Faculty to review and determine Biology I course goals and review at Spring 2018 meeting

**Shared Assessments**
The question was posed – do we need shared assessments? Discussion ensued and several comments were made.
- Seminole State College uses a combination of lab practical and final exam for Biology
Valencia College uses a readiness tool that contains 50 multiple choice questions and is recommended for all to complete but it not actually taken by very many students.

UCF is considering an admissions test or a pre-assessment to access into upper division biology courses – strongly recommended based on major:
  - Considering an additional 3 hour course (see BSC2500 above)
  - Develop critical thinking skills
  - This concept was supported by those in attendance

Eastern Florida State college has a shared lab practical, that varies by campus

Daytona State College has a pre-test

CLEP Test for Biology I & II
  - Could use questions from CLEP – share and surround core concepts

How can we assess learning outcomes commonly?

**LUNCH BREAK WAS HELD FROM 12:00 – 1:00PM**

**PEDAGOGY**
**Teaching strategies that work**
Harrison Oonge briefly reviewed the Google doc that will be a resource to share best practices/teaching strategies across institutions.

**Action:** This document will be reviewed in depth at the spring 2018 meeting.

**NEXT STEPS**
- Share minutes and request for Biology I & II syllabi
- Pat Ferguson to share Seminole State College Health Management Informatics (HMI) information
- Share website link → updated site
- Schedule Biology I lab tour → Graham Worthy to investigate access with Michele Yeargain

**SET SPRING 2018 MEETING DATE AND IDENTIFY HOST**
The spring 2018 Biology Curriculum Alignment meeting was scheduled for Friday, February 16, 2018 from 10:00am – 2:00pm with Seminole State College (Sanford/Lake Mary) offering to host.

The meeting adjourned at 2:00pm.