

Chincoteague Bay Field Station (CBFS), Wallops Island, VA
Spring Meeting of the Academic Advisory Council (AAC)
Friday, February 21, 2014
Dixon Center South Room 205/206/207
8:30 AM – 4:00 PM

Attendees:

Dominique Didier – Chair, AAC; Millersville University
Adrienne Oakley – Kutztown University
Ajoy Kumar – Millersville University
Bob Vaillancourt – Millersville University
Julie Ambler – Millersville University
Sean Cornell – Shippensburg University
Jay Hunt – East Stroudsburg University
Wendy Ryan – Kutztown University
Nathan Thomas – Shippensburg University
Sue Morra – St. Francis University
Anne Armstrong – Program Manager, Marine Science Consortium
Ali Redman – College Program Coordinator, Marine Science Consortium

AGENDA

- I. Open Meeting; Approval of Agenda
 - a. Any additions to the agenda-None proposed
 - b. Motion-Sean, Second-Dominique

- II. Approval of minutes from Spring 2013.
 - a. Minor corrections to minutes.
 - b. Motion-Jay, Second-Sean
 - c. All approved.

- III. Welcome and Introductions
 - a. New AAC chair. Dominique announced that Adrienne Oakley has been appointed as the new Chair of the AAC.
 - b. Listserv – The AAC members thanked Julie for her help with CBFS listserv. There is a need to find a replacement for Julie!
 - c. Announcements. Nathan Thomas provided information about the Madagascar Field School in summer, 2014. He requested that the summer school program be advertised in our respective schools. Registration is same as CBFS registration. Credits will be through Shippensburg University and California University. Nathan will get info on air fare and send through listserv.
 - d. Dominique mentioned that Julie Ambler is retiring from Millersville University. If you have any photo of Julie that you would like to share, please pass it on to Dominique.

- IV. NASA Liaison update – Dominique
The Chair mentioned that the NASA Liaison contact in the future will be the Deans of Millersville University (Dr. Robert Smith), Kutztown University (Dr. Anne Zaiyits) and East Stroudsburg (Dr. Peter Hawkes). The AAC wishes to place on record with thanks the work done by Dr. Tom Tauer. There was unanimous agreement on continuing the Annual Report that show cases the collaborative work done by PASSHE faculty and students with NASA scientist. It was also mentioned that the graphics for the annual report was handled by Darlene Farris-Labar. The AAC decided to send a Thank you note to Tom for his service to the CBFS-NASA Collaboration.

V. College Program Updates - Ali

- a. Update on summer course enrollments (course cancellations): College Program Coordinator from CBFS Ms. Ali Redman reminded everyone of new, low enrollment and cancelled courses. There were 107 students enrolled in 168 classes up until the meeting date. The waitlist for students helped for a smoother enrollment. There was discussion on low enrollment courses and it was decided to prepare a chart of courses that must be taught every year, courses that must be taught every other year, and other courses that need to be offered periodically. (Pl. see the excel sheet attached to this document for the chart).
- b. An issue cropped up regarding refund of deposit if student changed from one session to another. It was decided that the cutoff date will be March 15th of every year for refund of deposit. After that date, refunds will be honored only if faculty cancels classes or if there is a medical issue.
- c. Equipment and resource requests. Ali will send a request every year for new/replacement equipments for use by faculty and students. Faculty should respond to this request to be added to a list of equipment's needed and purchased as budget demands.

VI. Other Programs – Anne

- a. School programs: Adult and Family programs
 - i. High School Internship. Anne reported of two new hires; a Marketing Development Coordinator (Ms. Elise Trelegan) and a new Schools Program Coordinator. (Ms. Mary McCumber). The school program enrollment is up whereas Road Scholar programs are low. Parker requested faculty to accommodate High School Interns in their field trips and if possible in classes. Sean mentioned that he worked with 8 high school interns and was very pleased with their commitment. Ali noted the return of some temporary staff for the following year. Anne mentioned that there were a lot of good quality applications from students for Educator positions. Four Educator positions were filled from East Stroudsburg, Millersville and Bloomsburg universities.
- b. Additional permits this year (MD, VA Dept. Game and Inland Fisheries, organism records). Aaron mentioned getting new permits for trapping small animals. Dominique mentioned getting State permits for shark lines within a 3 mile radius. The CBFS staff will look into getting this permit.

VII. Research

- a. Greenbackville -
 - i. ICON program: Sean Cornell updated members on the progress made on the Integrated Coastal Observation Network (ICON). Sean and Adrienne mentioned that sensors needed for monitoring NASA wells are expensive and they are looking into fabricating cheaper ones in collaboration with Greg. Sean mentioned that he needs help in the ICON project especially from Millersville University's meteorological program to install and monitor weather Stations. Opportunities also exists with local high school students to work with ICON project.
 - ii. Adopt an oyster reef project: Sean mentioned that The Nature Conservancy donated castles for the reef project. Presently 40 linear ft will be installed with a possible extension to 80 linear ft. Sean requested that Student Organizations get involved to raise funds (\$250.00) each) to help install and monitor these reefs. Ajoy mentioned his concern of how installing the reefs without proper planning may jeopardize the existing tidal circulation which may later lead to stagnation of water in the Bay. Jay mentioned the need to continuously monitor the invertebrates in the Bay. Sean also mentioned about having a ducky race to raise money for the Greenbackville Oysters (GO) project. Presently Shippensburg students are involved in the project and requested more help from other students organizations. CBFS will waive station fees and the students need to only pay for meal and boarding. Alternate Spring Break is a major event that can bring students from many schools to help out in projects.
 - iii. Citizen monitoring/Community events - Anne spoke about the SPARK project. Sixteen people monitoring the GO project. Students and parents are monitoring monthly. There will be a community event in early March (non-scientific). Activities planned for the coming spring break includes oyster bag filling and STEM career workshop for resume writing. Sean mentioned that Anne developed the project website

and also takes part in advertising the project activities. A NOAA 90 min. webinar on the CBFS living shore is being planned.

b. American Estuaries Meeting Announcement (Washington D.C.) AERS meeting announcement at Ocean City Maryland during last week of March.

c. NSF-REU Project development update: John H. has drafted conceptual framework for narrative and will send a doodle survey for a meeting at Bloomsburg University during spring break. Meeting goals include establish structure of REU program, identify specific projects and collaborations. John H. plans to meet with NSF program officers on March 28th. Sue mentioned about involving faculty from other schools. Dominique mentioned involving underserved student population. Wendy spoke on greater involvement with Cheney University. Anne has data on underserved population.

d. Faculty-student Research updates

Sean mentioned the members of the research committee. He also mentioned of new forms that Ali has put together that aligns permits with collection. Faculty mentioned problems with research student housing, etc. Ali suggested that research students are better housed in dorms with access to kitchen facilities in faculty apartments. Cost of \$14.00 per day for research students include boarding, one meal, shared lab. one station fee and avail of kitchen facility. Julie and others suggested having a seminar session every other Wednesday during the summer session to attract local people and engage students during evening hours.

e. CBFS contributions – Julie provided details of her paper that has been accepted (cbfs1401).

f. MACRI (Mid-Atlantic Coastal Resiliency Institute) - MACRI signing event possibly very soon.

VIII. Planning/enrollment management for summer college courses-

a. Registration process for students enrolling in CBFS courses is different for each university. Dominique will put the process followed by each university on the website. Registration opens first week of March. Ali distributed brochures of the College and school programs offered at the CBFS.

Members collaborated to break down courses offered at the CBFS each summer by:

a. Courses that must be taught every year

b. Courses that could be taught alternate years

c. Courses that could “rotate” faculty and/or offering school

d. New courses that should be offered; e.g., should we have MS level research courses? Independent study courses? Art – has not been successful – should we pursue non-science courses (pros & cons)? Based on suggestion provided by various members an excel sheet was generated. Ajoy Kumar redid the format of the course offerings (pl. see attached)

b. Current and/or projected student populations from each school. (Growing? Shrinking? Same as always?):

Millersville University: 40-50 Marine and about 15 Earth Science majors.

Kutztown University: 60 Marine Science majors

Lock Haven: 20 Marine Biology (ecology) majors

East Stroudsburg: 78 Marine Biology majors

Shippensburg: no requirement for major at field station, but a minor in marine science possible in near future.

c. New student populations that we could tap into? E.g., other related majors, non-majors? - Dominic mentioned that Millersville offers scholarship for taking classes at the CBFS. Sue mentioned tapping into non-science majors (40% undeclared students). Wendy spoke of financial hurdle for taking classes at the CBFS. Bob mentioned meteorology students at Millersville as possible room for recruitment.

d. What is the maximum enrollment CBFS can accommodate in each session? What are limiting factors at CBFS? E.g., dorm space, labs, staff, boats, etc. - at present space for four courses that uses boats. Ten

lab. spaces exists for use. Two summer camps and a Road Scholar program also runs simultaneously. College programs will get priority during summer. Ten faculty apartments available; possible sharing of apartments by faculty. Jay mentioned difficulty in sharing lab. space. Altogether 400 beds available including 64 a/c beds for college.

IX. Fall 2014 meeting – Harrisburg tentative Sept. 19th Friday at Harrisburg.

Adjourn formal meeting (~4:00 pm)

CBFS College Courses Offerings

Session 1	Session 2	Session 3	Session 4
Week1 Week 2 Week 3	Week1 Week 2 Week 3	Week1 Week 2 Week 3	Week1 Week 2 Week 3
Coral Reef Ecology - Hunt (1 week @ MSC, 2 weeks in Honduras)	Ornithology (even)- Thomas	Conservation Biology (even) - Haines	Wetlands Ecology (even)- Venn
Geographic Information System (even) - Hu (2 weeks online - 1 at MSC)	Herpetology (odd)	Marine Mammals (even)- Ryan	Hydrology of Coastal (even) - Zume
Bio Ocean (even)	Ichthyology - Seiler, Hughes	Molecular (odd)	Aquaculture (odd)- Hughes
Biological and chemical Techniques (odd) Vaillancourt	Field Methods - Kumar, Vaillancourt, Oakley	Behavioral Ecology (odd)	Marine Geology (odd) - Oakley
Marine Invertebrates - Boettger	Marine Ecology - Hunt, Hrantiz, Corbin	Marine Ecology - Hunt, Hrantiz, Corbin	Marine Ichthyology(2 weeks@ MSC) - Didier
Marine Biology - Boal, Ryan		Coastal Environmental Oceanography - Dr. K, Cornell	Marine Invertebrates - Whitford, Venn

Other Courses: Plankton, Plants, Coastal Zone Resource (even?), Ind Research			
Green = Can also be taught by other faculty			
Even - Taught alternate years			
ODD- Taught every other year			
Red = required by some institutions, planned offering			