**Charlotte Science Committee Minutes**

Date: Friday, April 14, 2023

Location: Anatomy Lab (G-107), Charlotte campus

Participating: Dr. Gregg Mason, Professor Judy Robinson, Dr. Christina Lydon, Dr. Ralph Laudan, Jacqueline Calvano, and Dr. Gerald Anzalone (recorder of minutes).

**Discussion Items:**

**1. Instructional materials & lab schedules for summer terms:**

* Faculty are asked to submit their lab materials requests & lab schedules for the summer sessions to Jacque Calvano ASAP.

**2. ECG machine:**

* Charlotte campus has received one ECG machine from the Lee campus for the Anatomy & Physiology lab. Our thanks to Dr. Schott for making this possible.

**3**. **New adjunct instructor:**

* Professor Robert Nordstrom (Bob) will join the Charlotte campus science team as the new adjunct physics professor for the Fall 2023 semester. Professor Nordstrom is currently concluding his employment with the National Institutes of Health.

**4. Unlocked lab doors:**

* Administration has instructed campus security to unlock all classroom doors each morning. Unfortunately, this has resulted in the labs also being unlocked. The science faculty have expressed their concern to the Dean that giving students unsupervised access to the labs compromises student safety and the security of the lab materials.

Professor Robinson has contacted Dr. Angus Cameron concerning unlocked lab doors. He has assured her that this issue will be corrected. All lab doors are to remain locked when not in use.

**5. No color printer in G-building:**

* IT has advised the campus lab manager that the color printer in G-building’s copy room is no longer being serviced or supported and will have to be replaced.

**6. Grants:**

* The Office of Sponsored Programs and Research is accepting applications for the first round of the AY 2023-2024 ARC Grant Awards. Funding runs from August 2023 through June 2024.  The overview of the ARC Grant can be found at <https://www.fsw.edu/facultystaff/ospr/arcgrant>.  Contact Dr. Joseph van Gaalen (joseph.vangaalen@fsw.edu) or Jessica Godwin (jessica.godwin@fsw.edu) if you have any questions.

**7. Nova Southeast University Student Science Symposium:**

* Professor Judy Robinson, Dr. Gerald Anzalone, and Dr. Eric Commendatore accompanied 12 FSW students to Nova’s Undergraduate Symposium event in Fort Lauderdale on April 6th. Dr. Andrea Nevins, Dean of NSU Farquhar Honors College, greeted the FSW students before they spent the day viewing poster presentations and speaking with Nova science students and faculty. A FEE grant provided funding for the trip. Special thanks went to the Vice President of Academic Affairs, Dr. Martin McClinton, and the Assistant Vice President of Institutional Research, Assessment, and Effectiveness, Dr. Joseph van Gaalen, for approving the grant request covering the transportation and lunch cost for the students. Without their assistance, this trip would not have been possible.

**8. Charlotte Harbor Environmental Center:**

* Representing the chemistry department, Dr. Christina Lydon facilitated the donation of unused microscopes to the Charlotte Harbor Environmental Center (CHEC). Additionally, Dr. Lydon promoted cooperative opportunities for FSW students at CHEC. Michael Bednar, CHEC’s CEO, also spoke to her class about volunteering at CHEC monitoring water quality.
* Representing the biology department, Professor Judy Robinson facilitated internship opportunities with CHEC for FSW students participating in an oyster remediation project and establishing a new land turtle protection program. Michael Bednar was kind enough to address Professor Robinson’s Environmental Science and General Biology II classes.

**9. CRISPR at FSW:**

* Dr. Gerald Anzalone presented “FSW Students Successfully Perform Gene Editing” at the FSW Honors Research Expo Poster Presentation at the Lee Campus on April 4th. The poster highlighted the first successful CRISPR gene editing experiments at FSW. The Marketing Department released a social media and YouTube video featuring this project, funded by an ARC grant.
* Two of Professor Robinson’s General Biology II submitted video presentations to the Research Expo Presentation discussing the ethics around CRISPR and a medical application for CRISPR.

**10. Problems with shipping and receiving:**

* Over the past year, there have been problems with receiving shipments of lab supplies, which the campus Facilities Department handles. Perishable items have spoiled, shipments have not been received, and some items have been stolen when dropped off at the Facilities building. In numerous circumstances, members of the Facilities Department have not been available to receive the packages. Professor Robinson and Jacque Calvano have brought these concerns to the Dean’s attention. The Dean has relayed these concerns to the Charlotte Campus Director.

**11. New cameras in labs:**

* IT has installed motion-activated cameras in the science labs in G-building to accommodate Live Flex instruction. IT also installed new technology in the labs, such as document cameras and computer equipment. Dr. Lydon thanked IT for their support, access to the portable computer carts, and tech upgrades.

**12. 2023 Spring Open House:**

* The Charlotte campus science department once again participated in the Spring Open House on March 2nd. Dr. Mason and Dr. Anzalone demonstrated osteology specimens. Professor Robinson demonstrated the properties of water using density tubes and a simulation of eating insects for food. Dr. Lydon presented the theme, “What Matters in Chemistry --- It’s All Connected,” using a variety of household items.

**13. Hallway posters:**

* Professor Robinson and Jacque Calvano decorated the hallways outside the science labs with thematic posters highlighting student accomplishments and future career opportunities in the sciences.

**14. Library anatomy models:**

* Dr. Gregg Mason performed an inventory of the campus library’s anatomy models and recommended the models needed to provide students with an adequate repository of learning materials. The library recently received funding for purchasing additional anatomical models and will act on Dr. Mason’s recommendations.

**15. New microscopes:**

* We received a large supply of new microscopesfrom the main campus for use in the biological sciences lab. Emotive, the company that supports microscope cameras, is coming to the Charlotte campus on May 9th to configure the cameras to the microscopes for viewing on mounted iPads.

**16. Living Oceans:**

* The Living Oceans course will be included under the Biological Sciences Department under the new division between the Department of Biological Sciences and Physics and Chemistry.

**Future meetings:**

* Following the recent changes to the monthly School of Pure and Applied Sciences and department meetings, future Charlotte Science Committee meetings will be held as needed.