

## **Biotechnology Advisory Committee Meeting**

**Friday, February 26, 2021**

**10:00 – 11:30 pm (Zoom)**

In attendance: 28

Reitha Weeks, Joy Adiletta, Marion Dorer, Louise Petruzzella, Sandra Porter, Jan Chalupny, Julia Gabriels, Guy Hamilton, Jon Digel, Mark Parrish, Ed Fleischer, Tony Huynh, Rachel Rawle, Meg O'Connor, Ruth Hook, Susan Julien, Bob Dedinsky, Tuan Phan, Mike Bauman, Stephanie Sadowsky, Samrita Dungel, Ryan Takeya, Christie Marchesseault, Evan Henrich, Don Sodora, Roshan Liyanage, Lauren Hadley, Kelly Griffin (note taker)

Mark Parrish opened the meeting, mentioning the great turnout and that there was a lot to cover. He facilitated the introductions of attendees and the approval vote for the 11/20/2020 minutes.

Louise gave some updates regarding the need for instructor coverage in two summer classes (8-week session), for Biotech Techniques (protein purification), and the Flow Cytometry class. Guy mentioned that team teaching could be a possibility, that the curriculum is in place, and Flow Cytometry has a lot of theory so it lends itself to a remote environment. Reach out to Louise for more information. Marion requested emailing the job descriptions and Louise noted as an action item.

New Vice-Chair of the committee, Roshan Liyanage, was introduced. He previously enjoyed the employment panel discussions and is excited to engage in this new role. Louise expressed thanks for the great responses to her Friday panel discussion request for the Seminar class. If industry partners have extra inventory, Jan is looking donations for Rachel Rawle's spring quarter Tissue class; if interested, contact Louise to arrange a donation. Reitha said the Project Biotech Camps are not running this summer; and Louise said the poster session has also been cancelled, but there might be an arrangement of something virtual for the poster session.

Louise said it looks like the National Science Foundation grant for the Immunotherapy BioHub Project is coming through (see the description she emailed earlier). July 1 might be the start date and possibly last three years.

Planning Guide Approval:

Louise shared screen to show the Biotechnology Lab Specialist Certificate of Completion Planning Guide. A couple of tweaks needed to be shown in order to get sign off.

- On MATH& 146 (Statistics) there is now also MATHS 146 in order for students to receive additional support.
- BIOL 277 spring Immunology class. Last year due to Covid, the lecture component of class was done spring quarter and the lab was taught as a separate class during summer quarter. The proposed change lends itself to help students who only need a lab; is applicable on the certificate and degree program; and helpful in building out a shorter certificate in Biomanufacturing.

There was some discussion about the BIOL 277 being a permanent change to have content as two classes, as well as Meg's suggestion to include "fast track" within certificate titles related to stackable credentials.

Mark facilitated the vote to approve changes on the Planning Guide and the changes were approved.

Curriculum/Master Course Outline Review:

BIOL 247 Quality Assurance and Quality Control MCO draft was presented by Julia Gabriels. She developed the outcomes from the perspective of an analyst, fielded questions, and listened to feedback from the committee. Within the discussion, the idea of using terminology such as "audit readiness"; having a mock audit; possible overlaps with Samrita's regulatory affairs curriculum; the course being fully online if Covid persists (since there isn't a lab component); data integrity with documentation; and change management. Anticipated timeline of class is 33 hours over five weeks (about three hours a week).

After discussion, Mark asked Louise about the next steps on the BIOL 247 MCO draft. Louise said Julia will update accordingly, let Louise know, and Louise would bring it before Curriculum Committee at the end of March in order to get approval by the college. Julia then preps Canvas and other materials (quizzes, etc.), and the class is anticipated to run fall/winter 2021-2022. Mark encouraged Julia to reach out to the group for help, feedback, review of outlines, and to leverage the committee for help.

BIOL 281 Immunology Lab MCO draft. Guy, on behalf of Dina, read the outcomes within the draft and said to direct questions to Dina. (Louise said she could send Dina a copy of the recorded meeting.) Guy gave some background on how the offering of 277 existed in the past as one, 6-credit class. Last spring, in determining how to safely work in the lab during Covid, the lecture portion was done in the spring and the lab portion during the summer. The MCO pulls the lab portion from 277, creating a new lab component class, 281. It allows more flexibility for students, giving them two options to complete the Immunology requirement. One option could be taking 277 (6 credit class); other could be a combination of taking 276 (lecture component) and 281 (lab component) separately, as two, 3-credit classes.

There was some discussion around the research component; mention of it being a plus to do independent research; and the idea to place "more opportunity in research" (Jan) within the class description.

Mark facilitated the vote to approve BIOL 281 MCO draft and it was approved to move forward.

Review of BIOL 286 Molecular Lab Techniques in Medical Diagnostics was tabled, to be placed on next agenda due to Dina's absence from today's meeting and the importance of her input.

Louise said the next meeting is typically in June on the day of poster presentations. Due to Covid, there is discussion about possibly having a Zoom poster session with breakout rooms at a separate time. Louise would like to have the next advisory meeting at the end of May to help with MCO timelines.

Adjournment: 11:20am