



Biological Sciences Minutes

March 2, 2021 | 5:00 | Zoom

Meeting Minutes

LPC Mission Statement

Las Positas College provides an inclusive, learning-centered, equity-focused environment that offers educational opportunities and support for completion of students' transfer, degree, and career-technical goals while promoting life-long learning.

LPC Planning Priorities

- ❖ Implement the integration of all ACCJC standards throughout campus structure and processes.
- ❖ Establish a knowledge base and an appreciation for equity; create a sense of urgency about moving toward equity; institutionalize equity in decision-making, assessment, and accountability; and build capacity to resolve inequities.
- ❖ Increase student success and completion through change in college practices and processes: coordinating needed academic support, removing barriers, and supporting focused professional development across the campus.

Committee Name

Members:

Camille Troup
Dianna Maar
George Farquar
Jason Maxwell
Jean O'Neil-Opipari
Jill Carbone
Josie Sette
Michal Shuldman
Monica Borucki
Nan Ho
Nicholas Heredia
Nicole Shapiro
Poornima Rao
Stephanie Sibert
Stevan Jovanovich
Yolanda Fintchesko

1. Call to Order

5:02

Welcome and Introductions

Michal, Jill C, Jean, Segal B, Jason Maxwell, Yolanda Fintchenko, Nicole Shapiro (LBL), Stephanie Sibert, Camille Troup, George Farquar, Steven Jovanovich, Nick Heredia, Diana Maar, Nan Ho, Josie Sette, Poornima, Nick

2. Review of Agenda

3. Review and Approval of Minutes, September 2, 2020

Approve the minutes of 9.2.20, Nick motions to approve, Jill 2nds, motions carries, abstentions Nicole, Jason, Nan, Segal

4. Industry Updates

• Emerging Trends

- Nicole - JGI, not sure about internships this year, reduced capacity
- Diana – Best bet for internships in marketing, something that translates well to remote, conferences remote, being able to record yourself, new skills emerging, learning about recording in Power Point, SnagIt, Microsoft Teams for collaboration
- Stephanie – Shift to remote first world, will probably have internships on data team, later this spring, remote opportunities, hiring in all time zones, being able to be asynchronous is key, Slack, Discord, Zoom, Notion, Confluence. Being able to organize page structure so people can find and follows information, crucial skill, Google tools for collaboration
- Segal – having students record themselves presenting
- Nan – in terms of current employees and candidates, what are the most important soft skills?
 - Stephanie – candidate not prepared with tech before interview, that is a black mark. Should take interviews seriously, be prepared, test your tech
 - Diana – research the company, having something common that you can discuss
 - George – clear, concise communications, people need to turn on their cameras

- Stephanie – with dual monitors, can be distracting if you are not looking into the camera
 - Diana - Employees need to build their network and are comfortable asking for help or advice, collaboration
 - Poornima Rao – students need to articulate skills that they have developed. Don't just use the terminology, but how skill was used. Mock interviews are helpful. Speed Networking
 - Michal – part of bio-badge, have students develop a LinkedIn resume
 - Yolanda – recorded interview for internships, train students to do this, practice
 - Segal – teaching students to turn their cameras on.
- **Any new lab skills or technology**
 - **Internship Opportunities**

5. Program Report

- **Curriculum advice from advisory on Biology 2A (Bioinformatics)**
 - See Power Point, https://docs.google.com/presentation/d/1DKO6zUigWudj-1g41XXDUuLZk_7qQ-CaO7r7I5J_BQA/edit#slide=id.gc29d6aba9a_0_0
 - Not many students have the prerequisites necessary for Bio2A
 - Capstone or Introductory Class? Pros/Cons
 - Compare to other community colleges
 - Weather Capstone or Intro they all had less prerequisites than LPC
 - Yolanda and Nicole - Value to both an Intro class and a Capstone class, Bioinformatics I and II?
 - Possibly eventually once the program is built out – long-term
 - For now, we have to pick one
 - Maybe start with an intro class and build up to a capstone class
 - Intro class would help expose students to subject matter
 - Jill – trying to be everything to everybody
 - Nan – LPC moving toward credit for prior learning (portfolio analysis), like idea of introducing subject matter to students. Start with lower level. Would high school biology be okay.
 - What is the level of understanding does industry want students to have
 - Segal – bio-boot camp for the first weeks of the class to bring students up to speed if we reduce prerequisites
 - Michal – Flexibility in curriculum
 - Diana – looking for people who have familiarity with terminology, knowledge of databases and how to navigate them, knowledge of DNA, RNA, snips
 - Camille – understand the audience, intro class makes sense
 - Michal – we still have the Computational Bio AA; intro class would allow some great collaboration with different type of students, pair students with different types of skills
 - Michal – Motion to change the Bioinformatics class to have no prerequisites. Prior biology or computer science class highly recommended.

Consider reducing the number of units

- Nick – If we go the intro route, would not preclude more advanced students from taking the class. Makes sense to go the introductory route. What is the interest in this type of class from CS side?
- Stephanie – great to increase excitement in this field
- Yolanda is it possible for students to level up if they want to increase skills? Yes, honors project. Market, make a video to increase excitement
- With no prerequisites class open to Middle College students
- Yolanda moves to change the Bioinformatics class to have no prerequisites. Prior

biology or computer science class highly recommended.

Consider reducing the number of units

Diana seconds, motion carries

- Can advisory board help promote class and degree?

- **NSF Grant (Bio- Badges)**

- Feedback on badges (sign up on link to help with badges)
- <https://docs.google.com/spreadsheets/d/1rZisz0YQe7G7jA0-eiUCjeYpExNPSsZwexQ8NJSyc48/edit#gid=0>
- Draft badges
- BCSI – micro badges to look at specific skills (on national level), cost associated, regional assessor. What industry look at with micro badges?
- Diana – either there would have to be an agreement up front or micro badge given as an award. Can't look too commercial because there a lot of companies creating key word resumes. i.e Badge is an award from LPC. Searchable. On front page of website link for hiring managers to get verification of badges
- Stephanie – badge on LinkedIn, there is a verification process
- Talk more during the fall meeting

- **Fall hybrid courses**

- Anatomy, botany, zoology and microbiology will have some in-person labs

- **Spring 22: plan to run Biology 70 (Field Biology) and Biology 2A (Bioinformatics)**

6. Recommendations from the Board

7. Good of the order

8. Adjournment 6:32

9. Next Regular Meeting: September 9, 2021 at 5:00pm