



IMPERIAL VALLEY COLLEGE  
Science Department  
Monday, October 21, 2019 2:40 p.m.  
Room #2727

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**Mission:** The mission of Imperial Valley College is to foster excellence in education that challenges students of every background to develop their intellect, character, and abilities; to assist students in achieving their educational and career goals; and to be responsive to the greater community

### Minutes

#### Members in attendance:

- |  |  |
|--|--|
| <input type="checkbox"/> Dave Drury, Dean  | <input checked="" type="checkbox"/> Setareh Madani <b>ABSENT</b> |
| <input checked="" type="checkbox"/> Omar Alshykhly                                 | <input checked="" type="checkbox"/> Kevin Marty                  |
| <input checked="" type="checkbox"/> Alto Benedicto                                 | <input type="checkbox"/> Susan Moss <b>MEDICAL LEAVE</b>         |
| <input checked="" type="checkbox"/> Eddie Chang                                    | <input checked="" type="checkbox"/> Patrick Pauley               |
| <input checked="" type="checkbox"/> Andrew Chien                                   | <input checked="" type="checkbox"/> Jim Pendley                  |
| <input checked="" type="checkbox"/> Alex Cozzani <b>ALTERNATES BETWEEN M&amp;S</b> | <input checked="" type="checkbox"/> Jia Sun                      |
| <input checked="" type="checkbox"/> Jim Fisher                                     | <input checked="" type="checkbox"/> Fatima Villalobos            |
| <input checked="" type="checkbox"/> Daniel Gilison                                 | <input type="checkbox"/> Nan Everly                              |
| <input checked="" type="checkbox"/> Russell Lavery                                 | <input checked="" type="checkbox"/> Grace Espinoza               |
| <input checked="" type="checkbox"/> Behrang Madani                                 | <input type="checkbox"/> Said Cañez, Counseling Liaison          |

#### Guests:

#### Recorder: Ofelia Duarte

- A. Call to Order by Daniel Gilison, SME Department Chair @ 2:47 p.m.
- B. Review and Approval of Minutes of September 23, 2019 were approved unanimously  
M/S/C A. Benedicto/G. Espinoza
- C. **Action Items**
  - 1.
- D. **Communications**
  1. **Spring 2019 SLOs: Closing the Loop**
    - ✓ Chair Gilison reminded faculty who have not finished closing the loop to do please do so soon. K. Howell, SLO Coordinator has been asking department chairs to submit report on status of SLOs.
  2. **Physics Program CPR**
    - ✓ Chair Gilison again reminded faculty that every year we do some type of program review for each program that we have. This semester we're doing the

comprehensive program review (CPR) for Physics. For Biology, Chemistry, and General Science we're just doing program updates.

- ✓ At this time, we are not voting on these today since they are just a draft version. Would like feedback from faculty to complete final draft. Will send out final draft for electronic vote. Needs to have them in SPOL by November 15h.
- ✓ Chair Gilison thanked those that helped out with all program reviews:
  - Physics – A. Cozzani/A. Benedicto
  - Biology – J. Sun
  - General Science – K. Marty
  - Chemistry – J. Fisher, A. Benedicto, B. Madani and O. Alshykhly
- ✓ Program review is divided into three sections:
  - **Reviewing past goals and what has been accomplished**  
First year of Physics ADT, so there are no past goals to review
  - **Looking into current goals**  
Reviewed enrollment and fill rates  
Productivity  
Success and retention  
SLO/PLO – Provide insight as how annual objectives integrate to assessment of SLOs and PLOs.
  - **Future goals/objectives**  
Support student success in physics through continued and expanded opportunities in physics course scheduling.
    - Offer morning or evening classes to meet the need of working students.
    - Offer more hybrid classes
      - Develop hybrid Physics courses to be approved by DE committee.
    - Develop a more efficient assessment to evaluate SLOs and PLOs as they become aligned to the college mission, vision, and core values.
      - Do research on what other colleges are doing in terms of SLOs and PLOs in the area of Physics.
      - Look for different assessments to link SLOs and PLOs.

### 3. Biology Program Update

- **Reviewing past goals and what has been accomplished**  
Increase student transfer opportunities – to increase number of upper level class sections offered to students that would need the classes to complete the biology ADT degree.
  - Partially completed
- **Increase student success in class by increasing opportunities for students to get support both in and out of class.**  
Partially completed – Although we did not open a STEM center, the aims of both tasks A & C have been achieved through the utilization of embedded tutors.
- **Increase support to laboratory classes – ensure sufficient laboratory techs and equipment to meet the demands of students as biology lab courses continue to increase.**  
Objective not completed.
- **Looking into current goals**
- **Future goals/objectives**

Offer more upper-level classes to match lower-level science and math courses for students looking to transfer through the biology ADT.

Hire full time biology instructor

Increase student preparation and performance

- ✓ J. Sun sent out email to all biology faculty asking for future goals /objectives that they would like to see. Charlotte Murray suggested better student preparation and readiness from students coming into Bio classes. J. Sun stated that local preparation is done through local High School. In order to identify shortcomings at the local high school level for students that are entering any of our biology courses and curriculum J. Sun will set up meeting with H.S. Liaison to see how Bio classes and other supporting classes are taught. He would like to get together with faculty here by end of 2021 and maybe revise the bio curriculum to better compliment and support/address shortcomings from students coming in from H.S.

#### 4. Chemistry Program Update

- **Reviewing past goals**

No past goals to review

- **Future goals**

Increase ADT Chemistry graduates

Increase number of ADT graduates by increasing number of course offerings.

Increase more lab classes.

- **Increase transfer options and career choices through MLT and CLS degrees**

Reactivate/create relevant chemistry courses for the degree

#### 5. General Science Program Update

- **Reviewing past goals**

Past goals same as discussed in Biology

- **Future goals**

Provide support and proper oversight to Environmental Science course

Hire a replacement Environmental Science instructor.

Increase student success in class by offering opportunities for students to get proper support both in and out of class to improve student retention and success rates in science class.

Open a STEM center. Hire tutors.

Provide increased support to laboratory classes.

Hire new laboratory technician.

Need maintenance agreements.

#### E. Other

- ✓ J. Sun talked about the professional development monies administered by Teaching and Learning Center. You can go to [imperial.edu/tlc](http://imperial.edu/tlc) webpage and click on **request funds**. He mentioned there is money right now. If you want to travel for conference or attend a meeting just fill out form as soon as possible.

#### F. Next Meeting

- ✓ November 18, 2019

#### G. Adjournment

- ✓ Chair Gilison adjourned the meeting at 4:07 pm.