

Faculty Meeting Minutes (Open session)

October 25, 2021 | 2:30 - 3:30 pm | Benson Hall, Room 109- ZOOM

Attendance:

Meeting start: 2:30 | Adjourn 3:06

Faculty Present (blank=absent)

Department Chair, Jim Pfaendtner - Present

Stu Adler	P	Cole DeForest	P	Jorge Marchand	P	Ben Rutz	P	Neda Bagheri
François Baneyx		Hugh Hillhouse		Shachi Mittal	P	Daniel Schwartz		Cao Guozhong
David Beck	P	Vince Holmberg	P	Elizabeth Nance	P	Eric Stuve		Jonathan Posner
John Berg	P	Samson Jenekhe		Rene Overney	P	Stephanie Valleau	P	
David Bergsman	P	Mary Lidstrom		Lilo Pozzo	P			
James Carothers	P	Jun Liu		Buddy Ratner	P			

Others Present

Nicole Devine	Andrea Gleichweith			
Dave Drischell	Nicole Minkoff			

AGENDA

- Approval of 10/11 minutes – Minutes were sent out. They should be approved every meeting, this practice was slow to be implemented.
- Announcements
- Update and discussion of ChemE 375
- Adjunct and affiliate appointment discussion and vote

ANNOUNCEMENTS

Visitor vaccine status

Visitors to campus must be vaccinated. The department can assist with tracking this, talk to Andrea, Nicole, or Jim.

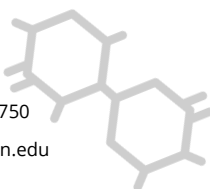
Jonathan Posner said the UW web site says that visitors do not need to be vaccinated. Jim will check with Debbie. ChemE has the same policies as UW.

20,000 students still do not have verifications for vaccine

There are still 20, 000 students who have not verified their vaccines and they will not be able to register for Winter quarter. Please remind students in class so all students can register for classes. Inform them that this is different from the attestation they previously did.

Faculty search applicants attending AIChE (Nance)

Let Elizabeth know if you are attending AIChE in 2 weeks and let her know if you will be at the faculty candidate session on Nov 7. There are no conflicts with this session.



Reminder to participate in ChemE climate survey. 40% have taken the poll - Deadline EOD today

Please fill out the survey, it takes 2-3 minutes. The grad student and postdoc rate of participation is below 50%.

Jim asked for other announcements. John Berg said the dates for the Pacific NW Student Chapter Conference are April 22-23, 2021 at UW. Jim asked if there would be room at that event for Cole and the grad committee to do an info session about ChemE grad programs. John said he will ask.

Jim attended the annual West Coast ChemE department chairs meeting. Many of the other programs said they are having a difficult time getting applicants to their PhD programs. Jim has a mailing list for the west coast chairs, there are a lot of faculty doing interesting research at these programs. They would like to promote intra-region collaboration, similar to the East coast and Southeast. Jim can help make introductions.

CHEM E 375 – Pfaendtner

ChemE 375 has been discussed many times in the past. As a reminder, this class is the department computer skills elective. It was developed about 2005 by Bruce Finlayson. The class was originally designed as a skills acquisition class, knowing how to use computer skills to solve chemical engineering problems. It is a 2-credit class, 1 hr of lecture and then 1 hr of lab time. Until last year, it was offered in Winter quarter with an emphasis on enrolling juniors. About 90% of students took the class. But numerical methods are not covered. Most students take Applied Math 301, but it is not offered in a ChemE context. Most students were unable to tell you how the computer was solving an applied math problem. Also, about a third of the core was already done when students took this class, so there is a missed opportunity for students to use these skills in earlier classes.

A pilot project was conducted last spring and the course was moved forward. 100% of ChemE 310 undergrads were enrolled. It also had an optional extra 1 credit practice session. The format is: 1 hour of theory on numerical methods in the context of a ChemE math problem, 1 hour of software instruction, and 1 hour of practice. The downside is the students did not yet have a lot of ChemE curriculum when they took the course.

Jim proposed making ChemE 375 a 3-credit class, make it a required part of the curriculum, always offer it in the spring quarter, make it a pre-req for the Autumn classes.

Stephanie supported this idea. John Berg asked why it would be 3 credits instead of 2. Jim explained that it would allow for more actual programming, which was absent from ChemE 375, in addition to a lab where they can practice. John added that the extra credit may overburden some students.

Dave Drischell said it fits for most students. And a credit was removed from 310.

Dave Beck asked about the Data Science minor. There are funds available for developing classes. He and Jim will discuss separately.

Jim reminded people that 30-40% of students come from the community college system. Some students do not have a lot of computer skills upon entering. Nicole Minkoff added there are some community college students who have not taken computer programming yet.

David Bergsman asked about the consequences of having another required course in that quarter. Jim said there are waivers for the pre-req, students would have 2 more chances to take it.

ChemE 475 is an opportunity to develop new electives.

ADJUNCT AND AFFILIATE REVIEW AND DISCUSSION

This review is done annually. As a reminder, adjuncts are people who are UW faculty, and the affiliates are external or UW staff members.

The appointments will be discussed and then you will receive an electronic ballot.

A discussion of the new appointments and reappointments took place. Faculty will receive an electronic ballot. A motion to vote is not necessary since this is a required vote.

Meeting adjourned at 3:06