

Chairs' & Program Leaders' Meeting Minutes

Date: February 24, 2012 (12:00 to 2:00 pm)
Location: EBU II – Room 443
Attendees: Abbaschian, Reza
Bhuyan, Laxmi
Boretz, Mitch
Farrell, Jay
Garay, Javier
Hartney, Pat
Matsumoto, Mark
Myung, Nosang
Najjar, Walid
Parker, Linda
Ravi
Rodgers, Victor
Stahovich, Tom
Vafai, Kambiz

Absent:

The agenda for the meeting is shown in Appendix 1.

1. Welcome and call for agenda items – Reza

The following items were added to the agenda: Instructional Equipment (Nosang) and TA Funding.

2. Approval of Minutes

The revised minutes of the 1/27/12 Chairs/Program Leaders Meeting were unanimously approved.

3. Department Updates

CSE: Four faculty candidates have been interviewed so far with five more scheduled. In addition, a Target of Excellence (TOE) candidate will be visiting CSE on March 8th. Also, several CSE staff are on medical and other leave absences.

MSE: Javier has been involved in faculty interviews for CEE, ME and EE. He expects to meet with all Materials candidates during their departmental interviews. Also, Javier has been meeting with BCOE Chairs to discuss MSE course instruction for next academic year. The MSE teaching labs in the new MS&E Building are being set-up and should be ready by Spring quarter. Reza reminded Chairs to include Robert Haddon in interviews with faculty candidates who could be CNSE Clean Room users.

BIEN: The department has interviewed its first faculty candidate and will be interviewing five more. Discussions have been held with UCR's School of Medicine regarding joint faculty hires. UCR's student chapter of the Society for the Advancement of Chicanos and Native Americans in Science (SACNAS) is

hosting the Inland Empire's regional Science Olympiad on March 3rd. BIEN faculty are serving as judges and are providing access to their labs in the MS&E Building for the event. About 1,500 visitors are expected to participate.

CEE: The department has interviewed four faculty candidates so far and there are 11 more to come. CEE is holding its Open House for domestic grad students today.

EE: The department is scheduling its Industrial Advisory Board meeting. EE has obtained Tom S.'s course enrollment tool and anticipates using the one being developed by Ravi. EE has interviewed five faculty candidates so far with seven more to come. EE is still looking to share staff with other BCOE departments. Reza reminded Chairs that the Grad Division has funding for diversity grad students. This funding could be used to enhance financial packages to qualified students.

ME: The department has interviewed several faculty candidates to date. The interviews for Materials and Energy candidates will be completed soon. Tom S. stated that BCOE departments have been asked to provide input into the planning of shared instructional computer labs. The plan would mean that each department would have one designated instructional lab and that there would be one College level lab available to all BCOE students. Reza stated that BCOE cannot afford to let each department have two instructional computer labs due to the space needs of incoming faculty.

4. Undergraduate Education – Ravi

Ravi noted the table attached to the agenda. This table shows that the number of BCOE freshmen admits with AIS scores greater than 4,200 is 1,821. The projected yield from this pool is about 12.9% (236 students). The number of admits with AIS scores between 3,800 and 4,200 is 988. The projected max yield from this group is 304. However, some BCOE programs would be over-enrolled and some would be under-enrolled. Ravi stressed that there is uncertainty in these numbers since this is the first year of UCR's new admissions system. The attachment also detailed the specified alternate majors for those admitted students above a program's target. A program could redirect these surplus students into alternate majors. Jay noted that EE's freshmen target should be 75 and not 60 as listed on the spreadsheet. Ravi will make this change and will make adjustments to the targets so that the total number of incoming BCOE freshmen remains the same at about 525. Reza stated that freshmen quality is increasing and that departments should estimate targets carefully taking into consideration resources such as lab space, etc. BCOE will not go below an AIS score of 3,800 this year. Departments should consider having faculty call high-quality students (i.e., with AIS scores >4,200). CNAS faculty did this last year. The goal is to retain about 60% of incoming freshmen in BCOE by their Junior year (versus the current ~30%). In addition to transfer students, Reza noted that BCOE programs may get some International undergrads this year.

Also, Ravi noted the copy of an email from the Biological Sciences Grad Students Center. This email is requesting changes to certain Biology course prerequisites that would give enrollment priority to CNAS majors. BCOE will ask the Academic Senate to also give specific BCOE majors the same enrollment priority for these Biology courses.

Ravi stated that registration for Fall quarter starts in the 5th week of the quarter. He suggests that BCOE programs assign Instructors for Fall quarter courses by this date since it may be difficult to change course times or locations afterwards. Thomas needs to send this course information to campus by March 1st.

5. Graduate Education - Mark

Mark distributed a summary of FY 12/13 graduate applications to date by BCOE department. The number of applications is stable but the number of admits is changing quickly. There are 37 admits to date (vs 46 last year at this time). There are 167 BCOE applications in process at the Grad Division. CSE has voted to close

their application process. It was noted that programs can close applications from International students separate from those of domestic students. BCOE will continue to cover domestic student application fees through April 15th. Lastly, it was noted that the Grad Division has diversity stipends available. These stipends could add \$5,000 to financial packages for PhD students. Javier would like to see the amounts for diversity stipends from the Grad Division increased for MS students.

6. BCOE Discovery Day – Ravi

Ravi noted the recent email from Rod Smith to Chairs about the March 19th BCOE Discovery Day. This event will include a breakfast with Reza and the EVCP and presentations by Ravi and BCOE students. This is a good opportunity to recruit high quality undergraduate students.

7. On-line MS Engr Degree Program – Kambiz

Kambiz stated that UCOP has approved BCOE's new On-line MS Engr Degree program. He has discussed the development of core courses with Tom S. (Engineering Economics), Jonathan Davidson (Globalization), Dennis Rice (Systems Engineering) and Jerry Schultz (Innovation/Entrepreneurship). Jerry doesn't feel that he could develop a course on Innovation so Kambiz has talked with Christine Pence about developing a course on Engineering Management. These courses would have to be processed through the Academic Senate's Committee on Courses. Kambiz had a discussion with the SoBA Dean about assigning SoBA instructors to courses. Funds for SoBA instructors would be sent to SoBA and not to the instructors directly. Kambiz noted that there are only two Echo 360 multimedia systems on campus. One of these systems is in the large MS&E classroom (116). C&C is willing to move the Echo system from MS&E 116 to another MS&E room for use in BCOE's new On-line MS Engr Degree program at no cost for Spring 2012. After this trial, BCOE would have to pay a charge for use of the Echo 360. The cost to duplicate the Echo 360 equipment and license is high but there may be less costly options. Jiayu Liao will pilot this equipment for a BIEN course he is teaching in the Spring 2012 quarter. Reza will send copies of BCOE's On-line MS Engr Degree program proposal to the Chairs. There will be a financial benefit to departments offering degree specializations in this Program. He encouraged departments to start the process to initiate the next two specializations soon.

8. Computer Engineering Program – Walid

Walid stated that CCGA has approved BCOE's MS degree program in Computer Engineering. We are awaiting President Yudof's approval letter.

9. ARPA-E draft solicitation – Mitch

Mitch distributed copies of a 2/8/12 email he sent to BCOE PIs about an open funding opportunity in the Department of Energy Advanced Research Projects Agency (ARPA-E). This program will fund energy related technology that will have transformational effects on the energy sector. Comments are being accepted by ARPA-E through 2/29/12. The solicitation is expected to be issued in early March.

10. NAVSEA Visit – Linda

Linda announced that the new Commander of NSWC Corona, Eric H. Ver Hage, will be visiting BCOE on 3/7/12 from 12:30pm – 3:00pm. A luncheon will be held that will include Dr. Karen White. Linda asked for suggestions as to who from BCOE should attend this luncheon and make presentations and what labs should be visited afterwards. After discussion, it was recommended that BCOE Chairs attend the luncheon and make brief (10 minute) presentations on appropriate research in their departments. Labs that could be visited include those of Professors Princevac, Tan, Xu and Mulchandani. Linda will send out a tentative agenda for the visit.

11. Homecoming – Linda

Linda reminded participants of the faculty vs. alumni basketball game scheduled for the afternoon of 3/3/12. The location of this game has been changed to the lower patio area. She is still looking for faculty participants.

12. Other Matters

Due to time constraints, the topics of Instructional Equipment and TAs will be discussed at the next meeting.



Chairs' & Program Leaders' Meeting

February 24, 2012

Agenda

Winston Chung Hall – Room 443

- | | | |
|-----|---|--------|
| 1. | Welcome - Request for Agenda Items from the Floor | Reza |
| 2. | Approval of Minutes from January 27, 2012 Meeting | Pat |
| 3. | Department Updates | All |
| 4. | Undergraduate Education | Ravi |
| 5. | Graduate Education | Mark |
| 6. | BCOE Discovery Day (March 10, 2012) | Ravi |
| 7. | Masters On-Line Program Approval | Kambiz |
| 8. | Computer Engineering Program | Walid |
| 9. | ARPA-E draft solicitation: request for comments | Mitch |
| 10. | NAVSEA Visit | Linda |
| 11. | Homecoming | Linda |
| 12. | Other Matters | |

Future meeting schedule

Chairs' & Center Directors' Meetings

Friday, March 9, 2012
 Monday, April 2, 2012
 Monday, April 30, 2012
 Friday, May 25, 2012
 Monday, June 25, 2012
 Monday, July 23, 2012

Chairs' & Program Leaders' Meetings

Monday, March 19, 2012
 Friday, April 20, 2012
 Monday, May 14, 2012
 Friday, June 15, 2012
 Monday, July 9, 2012

Please note: Meetings will be held in Winston Chung Hall – Room 443

Major	No. of Admits > 4200	Campus Yield Estimate >4200	Est. Yield > 4200	No. of Applicants 4199-3800	Enroll. Target	Reqd. Yield 4199-3800	Estd. Max Yield 4199-3800	Shortfall
BIEN	260	12.9%	34	93	70	36	28	-8
BUNF	32	12.9%	4	27	15	11	8	-3
CHEN	186	12.9%	24	61	67	43	19	-24
CEN	254	12.9%	33	170	58	25	53	28
ENCS	339	12.9%	44	175	58	14	53	39
ELEN	177	12.9%	23	105	60	37	33	-4
ENEN	116	12.9%	15	78	67	52	24	-28
MSE	36	12.9%	5	12	20	15	4	-11
MCEN	421	12.9%	54	267	108	54	82	28
						0		
Total	1821		236	988	523	287	304	

BS+MS not included

Specified Alternate Major												
Beyond yield 54	Major	Count	BIEN	BUNF	CEN	CHEN	ELEN	ENCS	ENEN	MCEN	MSE	Non-BCoE
MCEN		89	3	1	5	1	16	2	6	9	3	43

Specified Alternate Major												
Beyond yield 25	Major	Count	#N/A	BIEN	CEN	CHEN	ELEN	ENCS	ENEN	MCEN	MSE	Non-BCoE
CEN		87	1	2	5	1	7	34	2	4	0	31

Specified Alternate Major												
Beyond yield 15	Major	Count	BUNF	CEN	CHEN	ELEN	ENCS	ENEN	MCEN	Non-BCoE		
ENCS		122	1	32	4	4	13	1	5	62		

Good morning,

The Biology Department has requested the following changes for BIOL 005A, 05LA, 005B, 005C, 102, 107A, 110, 119, 161A, and 171L with an effective date of Fall 2012.

The prerequisites for these courses will include:

enrollment priority is given to students in the following majors: BA/BS in Biochemistry, BA in Biological Sciences, BA/BS in Biology, BA/BS in Plant Biology, BS in Cell, Molecular, and Developmental Biology, BA/BS in Entomology, BA/BS in Environmental Sciences, BA/BS in Microbiology, BA/BS in Neuroscience, BA/BS Undeclared in the College of Natural and Agricultural Sciences

This notice is being sent to you because your majors are affected by these changes. The changes have not yet been approved by the Committee on Courses, they will be reviewing them during their March meetings.

Thank you and please let me know if you have any questions.

Estella

*Estella Dávalos
Biological Sciences Graduate Student Affairs Center
1140A Batchelor Hall
(951) 827-2599*

2012-13 BCOE GRADUATE RECRUITMENT TARGETS
2012-13 CAMPUS TARGETS

Dept	M.S.	Ph.D.	Total	Accepts	% of Target	College	Total	To Date	% of Target
BIEN	20	19	39	1	2.6%	BCOE	167	2	1.2%
CEE	3	14	17	0	0.0%	CHASS			
CSE	20	20	40	0	0.0%	CNAS			
EE	15	15	30	1	3.3%	DBS			
MSE	6	10	16	0	0.0%	GSOE			
ME	13	12	25	0	0.0%				
Subtotal	77	90	167	2	1.2%	Subtotal	167	2	1.2%

Graduate Division Data as of February 22, 2012

International Students									
Program	Apps			Admits			Accepts		
	2010	2011	2012	2010	2011	2012	2010	2011	2012
BIEN	25	36	32	0	0	0	0	0	0
CEE	129	123	130	0	2	2	0	0	0
CS	332	392	499	0	0	0	0	0	0
EE	333	425	551	0	0	0	0	0	0
MSE	51	60	83	0	0	0	0	0	0
ME	70	88	104	0	0	0	0	0	0
Total	940	1124	1399	0	2	2	0	0	0

Domestic Students									
Program	Apps			Admits			Accepts		
	2010	2011	2012	2010	2011	2012	2010	2011	2012
BIEN	62	55	57	26	7	7	9	0	1
CEE	61	70	56	26	17	24	7	2	0
CS	62	72	88	0	14	0	0	2	0
EE	58	40	41	3	0	2	0	0	1
MSE	7	30	19	0	1	0	0	0	0
ME	21	30	33	1	5	2	0	0	0
Total	271	297	294	56	44	35	16	4	2

Total Students									
Program	Apps			Admits			Accepts		
	2010	2011	2012	2010	2011	2012	2010	2011	2012
BIEN	87	91	89	26	7	7	9	0	1
CEE	190	193	186	26	19	26	7	2	0
CS	394	464	587	0	14	0	0	2	0
EE	391	465	592	3	0	2	0	0	1
MSE	NA	90	102	NA	1	0	NA	0	0
ME	91	118	137	1	5	2	0	0	0
Total	1153	1421	1693	56	46	37	16	4	2

Unit	Apps		Admits		Accepts		One Year Percent Change		
	2011	2012	2011	2012	2011	2012	Apps	Admits	Accepts
BCOE	1421	1693	46	37	4	2	19.1%	-19.6%	-50.0%
CHASS	1072	1101	90	69	7	5	2.7%	-23.3%	-28.6%
CNAS	1282	1324	157	160	15	12	3.3%	1.9%	-20.0%
DBS	52	44	7	3	0	0	-15.4%	-57.1%	#DIV/0!
AGSM	187	170	19	37	2	4	-9.1%	94.7%	100.0%
GSOE	125	175	20	3	2	2	40.0%	-85.0%	0.0%
Total	4139	4507	339	309	30	25	8.9%	-8.8%	-16.7%

Mitch Boretz

From: Mitch Boretz
Sent: Wednesday, February 08, 2012 9:15 AM
To: 'coeprofs@engr.ucr.edu'; 'certpi@cert.ucr.edu'
Cc: jory.yarmoff@ucr.edu
Subject: ARPA-E draft solicitation: Open Funding Opportunity

The Department of Energy Advanced Research Projects Agency, ARPA-E, plans to issue a solicitation in early March titled Open Funding Opportunity Announcement. This program will be able to fund any energy-related technology that, if successful, will have a transformational and disruptive effect on the energy sector. You will see below that the topics range from what we traditionally think of as energy research into fields such as water supply, computing hardware and software, and materials science and engineering.

A draft of the solicitation was released today at <https://www.fedconnect.net/fedconnect/?doc=DE-FOA-0000663&agency=DOE>. ARPA-E is accepting comments on the draft until February 29, 2012. You can send your comments directly to ARPA-E, or you can send them to me, and I can accumulate and submit them.

You should also consider this to be an opportunity to begin forming teams so we are ready to respond when the real solicitation is released. Eligible applicants include for-profit entities, non-profit entities, and national labs. Foreign entities also are eligible. Cost sharing will be required; the level depends on the team leadership and composition (an all-academic team would need to cost-share at 5%).

Areas of interest will be:

1. Renewable Power (non-bio)

- A. Wind-energy capture.
- B. Wind-energy conversion.
- C. Geothermal energy.
- D. Ocean energy.
- E. Solar-PV/CPV.
- F. Solar-thermal.
- G. Power electronics/renewable generation.
- H. Renewable power-other.

2. Bioenergy

- A. Biomass production.
- B. Biofuel production-biological methods.
- C. Biofuel production-nonbiological methods.
- D. Bioenergy supply chain.
- E. Bioenergy-other.

3. Transportation

- A. Alternative fuels (non-bio).
- B. Engines-transportation.
- C. Electric motors-transportation.
- D. Fuel cells-transportation.
- E. Advanced vehicle designs and materials.
- F. Transportation management.
- G. Power electronics-transportation.
- H. Non-vehicular transportation.
- I. Batteries-transportation.
- J. Non-battery storage for transportation.
- K. Transportation-other.

4. Conventional Generation (non-renewable)

- A. Combined processes-conventional generation.