Chairs' & Center Directors' Meeting Minutes

Date: September 9, 2013 (12:00 to 2:00 pm)
Location: WCH – Room 443
Attendees: Abbaschian, Reza
Aguilar, Guillermo
Barth, Matt
Bhanu, Bir
Bhuyan, Laxmi
Boretz, Mitch
Farrell, Jay
Garay, Javier
Hartney, Pat
Myung, Nosang
Najjar, Walid
Park, Hyle (for Victor Rodgers)
Ravi
Vafai, Kambiz

Absent: Haddon, Robert
Matsumoto, Mark
Rodgers, Victor
Wang, Albert

The agenda for the meeting is shown in Appendix 1.

1. Welcome and call for agenda items - Reza

Reza announced that the Yeager Chair in Bioengineering has been fully funded (at $1M) and that a Chairholder will be named. Reza learned over the weekend that Tom Stahovich's father passed away. Reza will be leaving this week on a trip to China to visit Winston Chung and another potential donor. No items were added to the agenda.

2. Approval of Minutes - Pat

The revised minutes of the August 5th Chairs/Directors meeting were unanimously approved.

3. Undergraduate Education – Ravi

Ravi noted several attachments to the agenda. The first table presents the numbers of incoming freshmen per BCOE program. The total number of incoming BCOE freshmen is 585 but this number is expected to decrease to around 550 by the 3rd week of classes. The second table presents the numbers of incoming transfer students per BCOE program. Ravi noted that 112 transfer students enrolled out of the 152 that accepted admission. The third table totals the incoming freshmen and transfer students by BCOE program. The next table summarizes math preparation for incoming BCOE freshmen. Ravi noted that 74% of these students have taken AP Math or are enrolled in Calculus in the Fall 2013 quarter. This figure has increased from less than 50% two years ago.

The last table lists the students from China that will be enrolled in the BCOE Program with UNEX starting Fall. The eight students are in EE (2), ME (2), Chem Engr (2), CS (1) and MSE (1). Next year, Ravi wants to initiate a "1+1" program that would consist of one undergrad year and one year to complete an MS degree. Students in this program would be able to transfer eight units of their BCOE undergrad course work towards an MS degree. For each student, BCOE would receive $18K for the first year and $7.5K for the MS year (under the Grad Division's new 50% NRT return policy for self-supporting MS students). Ravi will work with departments to determine the appropriate size of this "1+1" program. In response to a question, Ravi indicated that the 5,893 figure in BCOE freshmen applications represents UC eligible students only. Also, Ravi stated that the campus only includes California residents in its annual undergrad targets. BCOE should take this into consideration when discussing future enrollment targets with campus. Lastly, Ravi noted that UCR is about 900 students over its incoming enrollment target this year.

4. Updates from Departments and Centers

ME: Guillermo noted that the department's recent "windows to the brain" research press release was picked up by over 25 news outlets. Professors Tsutsui and Rao recently received campus and California research awards.

MSE: Javier mentioned that the MSE Program will go through its first grad program review this year. Requests for information have been emailed to MSE participants. There will be an MSE faculty meeting on October 3rd and it will include a reception.

CE-CERT: Matt noted recent AQMD awards to CE-CERT researchers. The New Grid Project's groundbreaking at CE-CERT will occur in October. Also, there will be a symposium at CE-CERT in mid-October and a joint conference with CSSD on Solar Research in February 2014. Chancellor Wilcox took a tour of CE-CERT during his first week at UCR in conjunction with a visit by Siemens Corp.

CSE: Prof. Ciardo is leaving in January 2014 to be a department chair at Iowa State University. In response to a question, Reza added that BCOE has submitted a request to the EVC/P to recruit for 14 faculty this year. This faculty recruitment request was taken from BCOE's recent 4-year budget proposal. Reza hopes to receive a response within the next couple of weeks so that departments can initiate recruitments.

CE: Walid indicated that there was no update from Computer Engineering.

Mitch stated that the MSREC pre-proposal has been submitted. A response is expected in November and if selected, a proposal will be due in February 2014. In the meantime, budget scenarios are being developed.

MSOL: Lecturers have been assigned to the Engineering Management and Innovation courses that will be offered in Fall and Winter terms. The Program is still recruiting a lecturer for the Systems Engineering course to be offered in the Spring term. MSOL's website has been updated with these courses. One of the MSE Building's Echo 360 units will be moved to Bourns A265 to be available for demos and training. The Committee on Courses is reviewing proposals to convert eight BIEN courses to on-line versions. MSOL will add two new specializations next year (Materials at the Nano Scale and Water). Fliers for these new specializations are being finalized.

Laxmi noted that CSE recently had a Step 1 grievance meeting with the lecturers union regarding conversion of a CS course to an on-line course. The issues involve IWC calculation for this on-line course and payment to the lecturer for its development. Laxmi stated that UCOP will be negotiating with the lecturer union about on-line courses for the system. It was noted that the MSOL Program may be able to avoid some of these problems since it is a self-supporting program, similar to UCLA's MSOL Program.

BIEN: Hyle reported that the department recently interviewed six candidates for its open FAO II position.

EE: Jay reported that Prof Ming Liu has arrived and that the department is doing student orientations.

CRIS: Two CRIS students (from EE and CSE) received a best paper award at the 10th IEEE International Conference on Advanced Video and Signal-Based Surveillance in Poland. It appears that CRIS's Cyber Physical Systems proposal will be funded by NSF. UCR is negotiating with 3M concerning an international patent on vehicle id. A head injury research proposal is being prepared for submission to GE. CRIS will participate in an ACM/IEEE Conference on distributed small cameras in Nov/Dec in Palm Springs. There will be an IGERT retreat at the Arrowhead Conference Center in December.

CEE: Nosang stated that CEE's new faculty hire, Ruoxue Yan, has arrived. Prof. Asa-Awuku recently received a GAANN award. A new research faculty member has been hired between the MSE Program and WCGEC. This research faculty member will also help manage MSE's labs. The first year of funding for this appointment is being provided by Mike Pazzani's office.

WCGEC: The Center's lab room in Bourns B has been outfitted with benches. This lab still needs electrical work and venting for snorkels and fume hoods.

5. Computers and Laptop Requirement – Pat
Pat stated that a laptop requirement for BCOE undergrads is still being evaluated. He has asked for listings of computational courses that could utilize laptops (instead of the existing desktop computers) from departments. As soon as this information is available, a meeting of BCOE's ad hoc Instructional Technology Committee will be scheduled. Reasons for implementing a laptop requirement include freeing up valuable BCOE lab space, reducing BCOE hardware and software costs to support computational courses, enhanced wifi in BCOE buildings, giving students an opportunity to include laptop costs in their financial aid packages and giving students the ability to access instructional software remotely. A new development is that the UCR Bookstore will be privatized starting FY 14/15 and it's unclear if the new Bookstore operator will sell computer hardware and software. The selection of the new operator is expected by January 2014. Also, Pat learned from UCR's Financial Aid Office that students can request supplemental financial aid during the academic year to cover the cost of (required) technology (including laptops). Lastly, the UC system is considering adding a technology component to all UC student financial aid packages.

6. Space Consolidation – Reza
Reza stated that if BCOE is approved to recruit for 14 new faculty next year and succeeds in hiring 50% (seven), there is not enough BCOE lab space available for these incoming faculty. Near-term options include renting space at CE-CERT from Bourns, Inc. and consolidating existing BCOE faculty's research space. The starting point for lab space consolidation will be allocating 600sf of lab space per faculty member. In addition, BCOE will need space for an MSREC and/or ERC if these centers are awarded. Lastly, BCOE has requested that 12 labs on the 2nd floor of Bourns B be converted to wet labs. The estimated cost of this project is $1.2M.

7. Online Version for all Courses – Kambiz
Kambiz stated that grad courses that will be part of BCOE's MSOL program will need "v" (on-line) designations. Reza recommended that departments consider requesting blanket approval for their on-line course conversions from the Committee on Courses. Kambiz will ask Chairs for information regarding courses that would need to be converted. The input of these on-line course conversions could take considerable staff time. Also, it was noted that departmental faculty will need to approve these conversions.

8. Meeting with Chancellor on Friday, October 11 - Reza

Reza noted that Chancellor Wilcox will be attending the October 11th Chairs/Directors meeting. Reza has already given an overall presentation (including rankings and statistics) on BCOE to the Chancellor. Each Chair and Director should be prepared to give a 4-5 minute presentation on their unit's aspirations and future plans. Eilene will send Chairs/Directors a Powerpoint slide template that should be used for these presentations.

9. Other Matters

Matt asked for more information on Mike Pazzani's offer to fund a research faculty member in BCOE. Reza responded that this appointment will be similar to the recent joint research faculty appointment in MSE and WCGEC. Mike's office will be providing the first year of funding with the expectation that the appointee will develop his/her own funding after this first year. Only descriptions of proposed research areas are needed at this time but the name of a possible appointee can be included if known.

UNIVERSITY OF CALIFORNIA
RIVERSIDE
BOURNS COLLEGE OF ENGINEERING
Chairs' & Center Directors' Meeting
September 9, 2013

Agenda

Winston Chung Hall – Room 443

1.	Welcome - Request for Agenda Items from the Floor	Reza
2.	Approval of Minutes from August 5, 2013 Meeting	Pat
3.	Undergraduate Education	Ravi
4.	Updates from Departments & Centers	Chairs/Directors
5.	Computers & Laptop Requirement	Pat
6.	Space Consolidation	Reza
7.	Online Version for all Courses	Reza
8.	Meeting with Chancellor on Friday, October 11	Reza
9.	Other Matters	

Future Meeting Dates

2013	2014
Monday, August 5	Friday, January 10
Monday, September 9	Monday, January 27
Monday, September 23	Monday, February 10
Monday, October 7	Friday, February 21
Monday, October 21	Monday, March 3
Monday, November 4	Monday, March 17
Monday, November 18	Monday, March 31
Monday, December 2	Monday, April 14
Monday, December 16	Monday, April 28
	Monday, May 12
	Monday, May 26
	Monday, June 9
	Monday, June 23
	Monday, July 7

8/31/13	Applied Fall 2013	Admitted Fall 2013	Accepted Fall 2013	Enrolled Fall 2013
FRESHMAN				
Bioengineering (BIEN)	355	374	78	71
Bioengineering BS+MS (BEBM)	316	81	5	5
Bus. Informatics (BUNF)	122	51	13	11
Chemical Egr. (CHEN)	368	332	72	62
Chem Egr BS+MS (CHBM)	135	21	1	1
Computer Egr (CEN)	545	380	86	70
Computer Egr BS+MS (CNBM)	352	38	2	2
Computer Science (ENCS)	840	509	80	70
Comp. Sci. BS+MS (CSBM)	380	55	8	6
Electrical Egr (ELEN)	390	375	102	91
Electrical Egr BS+MS (EEBM)	188	21	1	1
Engineering (Pre) (ENPR)	0	1	1	1
Environmental Egr (ENEN)	229	229	61	53
Enviro. Egr. BS+MS (ENBM)	87	8	1	1
Limited (ENLM)	0	0	0	0
Materials Sci & Eng (MSE)	116	113	35	28
Mechanical Egr (MCEN)	1,052	643	126	107
Mech. Egr. BS+MS (MCBM)	418	60	6	5
Total	**5,893**	**3,291**	**678**	**585**

	Applied Fall 2013	Admitted Fall 2013	Accepted Fall 2013	Enrolled Fall 2013
TRANSFER				
Bioengineering (BIEN)	138	51	19	11
Bioengineering BS+MS (BEBM)	0	0	0	0
Bus. Informatics (BUNF)	27	1	0	0
Chemical Egr. (CHEN)	144	84	33	28
Chem Egr BS+MS (CHBM)	0	0	0	0
Computer Egr (CEN)	103	24	7	6
Computer Egr BS+MS (CNBM)	0	0	0	0
Computer Science (ENCS)	342	85	20	15
Comp. Sci. BS+MS (CSBM)	0	0	0	0
Electrical Egr (ELEN)	215	92	23	14
Electrical Egr BS+MS (EEBM)	0	0	0	0
Engineering (Pre) (ENPR)	0	0	0	0
Environmental Egr (ENEN)	61	21	7	5
Enviro. Egr. BS+MS (ENBM)	0	0	0	0
Limited (ENLM)	5	4	4	3
Materials Sci & Eng (MSE)	48	9	3	3
Mechanical Egr (MCEN)	300	129	36	27
Mech. Egr. BS+MS (MCBM)	0	0	0	0
Total	**1,383**	**500**	**152**	**112**

TOTAL				
Bioengineering (BIEN)	493	425	97	82
Bioengineering BS+MS (BEBM)	316	81	5	5
Bus. Informatics (BUNF)	149	52	13	11
Chemical Egr. (CHEN)	512	416	105	90
Chem Egr BS+MS (CHBM)	135	21	1	1
Computer Egr (CEN)	648	404	93	76
Computer Egr BS+MS (CNBM)	352	38	2	2
Computer Science (ENCS)	1,182	594	100	85
Comp. Sci. BS+MS (CSBM)	380	55	8	6
Electrical Egr (ELEN)	605	467	125	105
Electrical Egr BS+MS (EEBM)	188	21	1	1
Engineering (Pre) (ENPR)	0	1	1	1
Environmental Egr (ENEN)	290	250	68	58
Enviro. Egr. BS+MS (ENBM)	87	8	1	1
Limited (ENLM)	5	4	4	3
Materials Sci & Eng (MSE)	164	122	38	31
Mechanical Egr (MCEN)	1,352	772	162	134
Mech. Egr. BS+MS (MCBM)	418	60	6	5
TOTAL	7,276	3,791	830	697

Major	AP or in Calculus	In Precalculus	In Math 8A	In CC Algebra	Unknown	Total
Bioengineering	77%	12%	3%	3%	5%	100%
Bioengineering BS + MS	100%	0%	0%	0%	0%	100%
Business Informatics	38%	23%	0%	15%	23%	100%
Chemical Engineering	85%	10%	0%	5%	0%	100%
Chemical Engineering BS + MS	100%	0%	0%	0%	0%	100%
Computer Engineering	70%	10%	6%	4%	10%	100%
Computer Engineering BS+MS	100%	0%	0%	0%	0%	100%
Computer Science	81%	9%	4%	1%	4%	100%
Computer Science BS + MS	100%	0%	0%	0%	0%	100%
Electrical Engineering	71%	10%	7%	4%	7%	100%
Electrical Engineering BS + MS	100%	0%	0%	0%	0%	100%
Environmental Engineering	67%	13%	8%	6%	6%	100%
Materials Science and Engineering	64%	11%	4%	21%	0%	100%
Mechanical Engineering	72%	10%	4%	5%	9%	100%
Mechanical Engineering BS + MS	100%	0%	0%	0%	0%	100%
Grand Total	**74%**	**10%**	**4%**	**5%**	**6%**	**100%**

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