

# **Chairs' & Center Directors' Meeting Minutes**

**Date:** January 9, 2012 (12:00 to 2:00 pm)

**Location:** WCH – Room 443

**Attendees:** Abbaschian, Reza  
Barth, Matt  
Bhanu, Bir  
Bhuyan, Laxmi  
Boretz, Mitch  
Farrell, Jay  
Garay, Javier  
Haddon, Robert  
Hartney, Pat  
Matsumoto, Mark  
Myung, Nosang  
Najjar, Walid  
Ravi  
Rodgers, Victor  
Stahovich, Tom  
Vafai, Kambiz

**Absent:** Wang, Albert

The agenda for the meeting is shown in Appendix 1.

## **1. Welcome and call for agenda items - Reza**

Reza welcomed Javier Garay to the meeting. Javier has been appointed to succeed Alex Balandin as the MSE Program Chair. Alex resigned as MSE Program Chair last month. Reza noted that the MSE Program involves over 40 UCR faculty and will be moving into the new MS&E Building. Javier will be meeting with department Chairs to discuss the MSE curriculum and other MSE related topics.

The following items were added to the agenda: Undergrad Student Enrollment (Tom S.) and Space (Nosang).

## **2. Approval of Minutes - Pat**

The revised minutes of the December 5<sup>th</sup> Chairs/Directors meeting were unanimously approved.

## **3. Budget Impacts - Reza**

Reza noted the message from the EVCP attached to the agenda. This message asks for examples of negative impacts to students of UC budget reductions over the last three years. Reza asked Chairs to update their previous input sent to Ravi by Friday (1/13/12).

#### **4. Undergrad Enrollment Forecasting – Tom S.**

This agenda item was moved up so that all Chairs could participate in the discussion. Tom stated that data sets available from BCOE Student Affairs can be analyzed to help predict future course enrollments. He commented that this data would be complementary to the new course reservation system being developed by Ravi. Tom stated that this data can predict how many students that need to take a particular BCOE course are eligible to take it. Ravi commented that he expects the new on-line (one-year) course planning program to be available in about a week. The longer term on-line course planning scheduling program will be available to students later and will be based on degree requirements. Tom and Ravi will send to the Chairs rough estimates of expected enrollments, using the Student Affairs data.

#### **5. Faculty Recruitment - Chairs**

CEE: The CEE Search Committee will meet this week. Candidate interviews are expected to start in late January or early February.

CSE: The CSE Search Committee has reviewed all applications. Interviews for the nine selected candidates will start in late January. Also, a request is being made to the EVCP for a Target of Excellence hire for CSE. This candidate is an NAE member and has visited UCR twice. Laxmi announced that Professors Neamtiu and Madhyastha will be receiving NSF Career awards this year. Mitch added that Professor Asa-Awaku will be receiving a Career Award from the NSF Geosciences Division and that Career awards to BCOE faculty applicants could still be made by other NSF Divisions.

ME: ME has received a total of 269 applications. The ME Search Committee is expected to determine its short list of candidates tomorrow.

BIEN: BIEN has received a total of about 150 applications. The BIEN Search Committee will meet this week to review these applications.

EE: The EE Search Committee is still reviewing about 200 applications.

#### **6. Undergraduate Education - Ravi**

Ravi noted that the deadline for undergraduate applications was at the end of November. He called attention to the summary of freshmen and transfer applications attached to the agenda. The total number of BCOE freshmen applications has increased by about 26% from last year. Ravi reminded the group that BCOE's incoming student targets this year are 500 freshmen and 100 transfer students. Starting this year, BCOE will be able to be more selective in initial acceptances and then look at other applicants afterwards to reach its 500 incoming freshmen target. Also, Ravi noted that BCOE transfer student applications have increased by about 7% this year. Ravi called attention to the two charts attached to the agenda comparing AIS scores for 2011 and 2012 UCR admits. This data shows that AIS scores for ELC (Eligible Local Context) admits were lower than AIS scores for non-ELC admits. Starting this year, the top 9% ELC applicants can be reviewed versus the top 4% previously. Lastly, Ravi called attention to the three pages of charts attached to the agenda summarizing the percentage of BCOE students receiving course grades below C- by 2009, 2010 and 2011 cohorts. He noted that this data shows that a significant percentage of BCOE students receive low grades in courses other than Math such as Writing, Economics and ME 2.

## **7. Graduate Education - Mark**

Mark noted the summary of BCOE grad student applications attached to the agenda. The total number of BCOE applications has increased by about 22% from last year, mostly from international students. He noted that EE now has more grad student applicants than CSE.

## **8. Department and Center Updates - All**

CE-CERT: Matt announced that CE-CERT will be receiving a \$2M award from SCAQMD for a project entitled “The New Grid: Integrating Photovoltaics, Energy Storage, and a Local Utility for Electric Transportation.” Portions of this project will be on-campus (WCH) and at CE-CERT. CE-CERT will need to meet with its proposal partners to revise the work statement for this project since the original proposal was for \$5M.

WCGEC: Nosang stated that six individual proposals are being submitted through the Winston Chung Global Energy Center for the UC/National Laboratory Lab Fee program. The proposal process for WCGEC seed grant projects with the Los Alamos National Lab will be announced soon. The WCGEC lab in the new MS&E Building will be available soon and the WCGEC Distinguished Speaker series will start this year.

CE: CCGA has given preliminary approval for the proposed MS degree program in Computer Engineering.

On-Line MS ENGR Degree Program: Kambiz has responded to the input from three CCGA outside reviewers. Input from a fourth reviewer is expected soon. The CCGA Committee provided comments questioning the uniqueness of the proposed program, BCOE’s financial support for the program and the proposed initial low enrollment projection. Kambiz will respond to these CCGA Committee comments by tomorrow. Also, Kambiz noted that UCR’s School of Business Administration (SoBA) wants a share of program income in order to make its management courses available to BCOE On-Line MS ENGR students. As such, Kambiz will look at other options including UCR Extension, existing on-line management courses from other UC campuses and the possibility of offering these engineering management courses through BCOE.

CRIS: Bir noted that seven invention disclosures have been filed by CRIS and that three have been picked up by industry so far.

CNSE: Robert commented that he hasn’t received any recent update on the status of the \$3M in needed modifications to the MS&E Building’s Clean Room. This work is being funded by the Chancellor’s Office and was originally expected to start last September.

## **9. ABET –Mitch**

Mitch reminded the group that Dennis Rice has been hired to coordinate BCOE’s ABET process this year. Letters to ABET from UCR’s Chancellor are being sent this month to request reviews for all BCOE programs (except Business Informatics). Laxmi will discuss adding Business Informatics to this year’s ABET review cycle with Eamonn Keogh. Mitch noted that program Self Studies are due to ABET in June and the Site Visit will occur in October. It was noted that the BCOE ABET work group is meeting this week. Mitch stated that we may hire a consultant to review the draft Self Studies sometime in May.

## **10. Hanyang University Visit (January 12-13, 2012) – Nosang**

Nosang reminded the group that there is an MOU between BCOE and Hanyang University that enables students to receive an MS degree from Hanyang University and then transfer to BCOE for their PhD. Each of

these students would be co-supervised by faculty members at Hanyang and BCOE. Nosang stated that five faculty from Hanyang University will be visiting BCOE on January 12-13, 2012. A sixth Hanyang University faculty member (from their Computer Science department) will visit BCOE next week. Nosang will send copies of the visit agenda to the Chairs/Directors. The next step would be for BCOE faculty to visit Hanyang University. It was noted that this type of cooperative program could be expanded to other international universities (including Erlangen University in Germany).

#### **11: Other**

Nosang asked about the schedule of moving BIEN labs into the new MS&E Building since CEE needs the labs being vacated by BIEN as soon as possible. Reza will ask Maggie to develop a move schedule and will distribute this schedule to appropriate departments.



# Chairs' & Center Directors' Meeting

**January 9, 2012**

## Agenda

Winston Chung Hall – Room 443

- |     |   |        |
|-----|---|--------|
| 1.  | Welcome - Request for Agenda Items from the Floor | Reza   |
| 2.  | Approval of Minutes from December 5, 2011 Meeting | Pat    |
| 3.  | Budget Impacts                                    | Reza   |
| 4.  | Faculty Recruitment                               | Chairs |
| 5.  | Undergraduate Education                           | Ravi   |
| 6.  | Graduate Education                                | Mark   |
| 7.  | Department and Center Updates                     | All    |
| 8.  | ABET  | Mitch  |
| 9.  | Hanyang University Visit (January 12-13, 2012)    | Nosang |
| 10. | Other Matters                                     |        |

Future meeting schedule

**Friday – January 27, 2012 (Chairs/Program Leaders Only)**

**Monday – February 6, 2012 (all)**

*Please note: Meetings will be held in WCH – Room 443*

## Freshmen

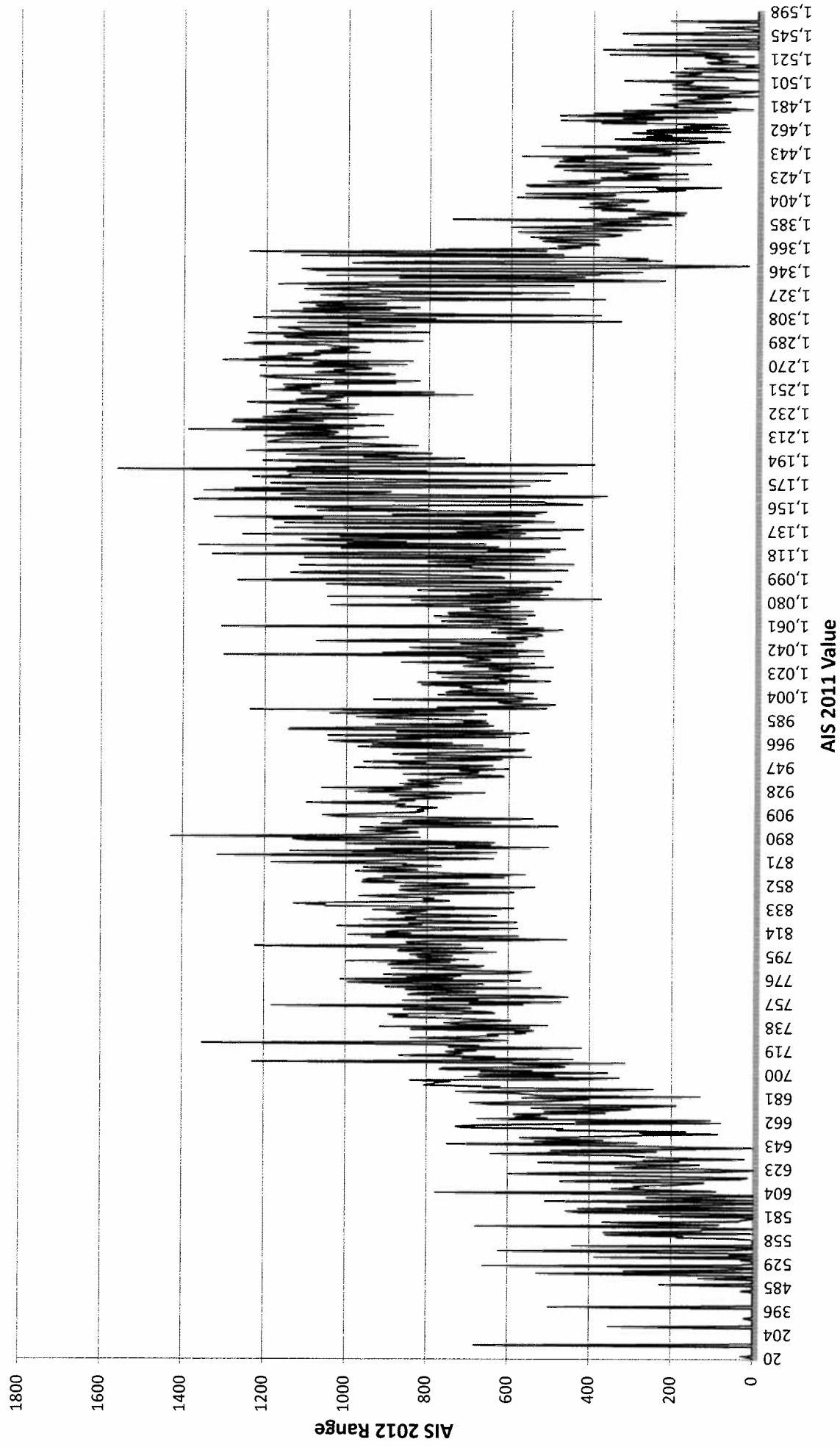
MAJOR	12F	11F	% Change
Bioengineering	297	229	29.7%
Bioengineering BS + MS	226	214	5.6%
Business Informatics	127	94	35.1%
Chemical Engineering	269	201	33.8%
Chemical Engineering BS + MS	74	77	-3.9%
Computer Engineering	424	335	26.6%
Computer Engineering BS + MS	348	285	22.1%
Computer Science	574	353	62.6%
Computer Science BS + MS	314	256	22.7%
Electrical Engineering	307	235	30.6%
Electrical Engineering BS + MS	182	135	34.8%
Environmental Engineering	196	187	4.8%
Environmental Engineering BS + MS	101	87	16.1%
Materials Science and Engineering	67	55	21.8%
Mechanical Engineering	747	599	24.7%
Mechanical Engineering BS + MS	357	321	11.2%
Refer to transcript	6	3	100.0%
<b>BCoE Freshmen</b>	<b>4617</b>	<b>3666</b>	<b>25.9%</b>
<b>CNAS Freshmen</b>	<b>10758</b>	<b>9503</b>	<b>13.2%</b>
<b>CHASS Freshmen</b>	<b>14505</b>	<b>12497</b>	<b>16.1%</b>
<b>Campus</b>		29880	25666
<b>BCoE Share</b>			
			<b>16.4%</b>
			<b>22.6%</b>

## Transfers

MAJOR	12F	11F	% Change
Bioengineering	85	82	3.7%
Business Informatics	12	15	-20.0%
Chemical Engineering	108	103	4.9%
Computer Engineering	77	71	8.5%
Computer Science	222	176	26.1%
Electrical Engineering	131	164	-20.1%
Environmental Engineering	59	37	59.5%
Materials Science and Engineering	19	19	0.0%
Mechanical Engineering	255	234	9.0%
<b>BCoE Transfers</b>	<b>968</b>	<b>901</b>	<b>7.4%</b>
<b>CNAS Transfers</b>	<b>1683</b>	<b>1695</b>	<b>-0.7%</b>
<b>CHASS Transfers</b>	<b>3833</b>	<b>4168</b>	<b>-8.0%</b>

**Campus** 6484 6764 **-4.1%**

**AIS 2012 Range For Each AIS 2011 Value**



# Fall 2010 Cohort

Fall 2010		
Course	Enrollment	% Below C-
ETST 3	7	57.1%
BSWT 3	34	52.9%
POSC 15	41	34.1%
MATH 008A	150	31.3%
ECON 6	15	26.7%
ENGL 020A	19	21.1%
MATH 5	107	19.6%
BSWT 003L	34	17.6%
ENGL 005L	57	17.5%
ANTH 1	114	16.7%
ANTH 5	64	14.1%
ENGL 004L	278	14.0%
HIST 20	95	13.7%
MSE 1	16	12.5%
ENGL 4	278	10.4%
POSC 10	29	10.3%

Winter 2011		
Course	Enrollment	% Below C-
ME 2	150	64.0%
CLA 010A	14	42.9%
BSWT 3	15	40.0%
BSWT 003L	13	38.5%
ECON 3	25	28.0%
HIST 10	11	27.3%
MATH 009A	95	23.2%
MATH 008A	65	23.1%
ENGL 004L	44	22.7%
MATH 5	22	22.7%
POSC 10	10	20.0%
POSC 20	15	20.0%
CHEM 001A	145	17.9%
MATH 009B	337	17.8%
PHIL 1	12	16.7%
MATH 008B	101	15.8%
CS 10	297	13.1%
BIOL 005A	67	11.9%
CHEM 001B	158	11.4%

Spring 2011		
Course	Enrollment	% Below C-
BSWT 3	6	50.0%
ENGL 004L	14	42.9%
ME 2	97	36.1%
MATH 11	29	27.6%
MATH 008B	48	27.1%
ENGL 4	21	23.8%
MATH 008A	21	23.8%
MATH 009C	249	22.9%
CS 10	80	21.3%
ECON 3	52	21.2%
MATH 010A	76	19.7%
CHEM 001B	103	18.4%
MATH 009B	196	17.9%
CS 12	110	16.4%
PHIL 1	32	15.6%
ECON 2	30	13.3%
ENGL 001A	54	11.1%
ANTH 1	48	10.4%
MATH 46	30	10.0%
HIST 10	46	8.7%
MATH 009A	35	8.6%
BIOL 005B	98	7.1%



## Reza Abbaschian

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**From:** Dallas L Rabenstein <Dallas.Rabenstein@ucr.edu>  
**Sent:** Sunday, January 08, 2012 12:42 PM  
**To:** Reza Abbaschian; Stephen E Cullenberg; Marylynn V Yates; Doug Mitchell; Yunzeng Wang  
**Cc:** Bill Kidder; Mary Gauvain  
**Subject:** Budget impacts

Dear All,

We will be going to UCOP for our mid-year budget review with President Yudof on February 13th. In preparation for the meeting, I am writing to ask for examples of how the budget reductions of the last three years have negatively impacted our students. Please provide me with this information by January 23rd.

Thanks in advance for your help.

**2012-13 BCOE GRADUATE RECRUITMENT TARGETS**

Dept	M.S.	Ph.D.	Total	Accepts	% of Target
BIEN	20	19	39		
CEE	3	14	17		
CSE	20	20	40		
EE	15	15	30		
MSE	6	10	16		
ME	13	12	25		
Subtotal	77	90	167		

**Applicants - as of January 9, 2012**

Program	International Students			Domestic Students			Total Students		
	2010	2011	2012	2010	2011	2012	2010	2011	2012
BIEN	22	30	26	55	36	49	77	66	75
CEE	125	117	121	49	56	50	174	173	171
CS	296	346	425	51	52	69	347	398	494
EE	295	349	470	44	34	36	339	383	506
MSE	38	52	76	2	28	14	40	80	90
ME	57	68	85	15	25	30	72	93	115
<i>Total</i>	833	962	1203	216	231	248	1049	1193	1451