

Chairs' & Center Directors' Meeting Minutes

Date: October 1, 2012 (12:00 to 2:00 pm)

Location: WCH – Room 443

Attendees: Abbaschian, Reza

Barth, Matt

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: Bhanu, Bir

Tan, Sheldon

Wang, Albert

The agenda for the meeting is shown in Appendix 1.

1. Welcome and call for agenda items - Reza

Reza called attention to the Chancellor's recent message about the OFCCP Briefing on October 11th. Reza encouraged all BCOE faculty to attend this Briefing. Reza announced that Governor Brown rejected the proposed bill that would have allowed GSRs to be unionized. Jay and Reza recently visited Broadcom's facility which is located near the UCI campus. Reza commented that this close proximity benefited both Broadcom and UCI. There are 11 BCOE graduates working at Broadcom. He encouraged BCOE faculty to look for opportunities to connect with Broadcom. Jay stated that two Broadcom employees will be invited speakers to BCOE this year.

2. Approval of Minutes - Pat

The revised minutes of the September 17th Chairs/Directors meeting were unanimously approved.

3. TA Allocation Model – Pat

Pat distributed a summary of four scenarios to change the current TA Allocation model. The options presented were: weighing service courses at 25%, 50% and 75% of regular departmental courses and a scenario to change the grad student factor from the current number of incoming grad students to total number of grad students. The TA allocations to BIEN and MSE would decrease significantly using the last scenario. After brief discussion, Reza announced that he would make the final decision on changes to the TA Allocation model. The financial impact to departments of any such changes would be phased in over at least one year.

Reza stressed that we need to move forward on other options, such as the MS On-Line Program, that would generate additional TA funding to departments.

4. Undergraduate Education – Ravi

Ravi distributed a document presenting points on UNEX's Post-Baccalaureate Certification Program. BCOE departments interested in this Program need to define coursework and send this information to Ravi within two weeks so that he can provide input to UNEX by the end of October. Ravi noted that Program participants will already have a BS degree. Departments should avoid sequential courses but should include MS degree courses. Also, departments should try to identify innovative programs such as solar/alternative energy, robotics, etc. since these could allow students to break into new fields of study. BCOE will receive \$18K for each student in this Program.

UNEX programs are directed at three student groups: the above Program directed at Chinese students (that have already completed BS coursework), students from Europe and India (that have already completed BS coursework) and Other student groups from around the world. The students from Europe and India would take courses for credit. BCOE will receive \$640 per guaranteed seat for these Europe/India/Other students. In comparison, UNEX pays BCOE \$220/student for non-guaranteed seats. It was noted that this UNEX Program is different from the campus' EAP program since the EAP Program transfers students between UCR and a foreign university. BCOE has a post-BS degree program in Engineering Management that includes one quarter of (BCOE) engineering courses, one quarter of (SoBA) business courses and one quarter for a project. Ravi stated that BCOE's On-Line MS degree program could provide the one quarter of business courses instead of using SoBA courses. Also, Ravi noted the 3+1+MS/PhD Program. This Program is designed for foreign students that have completed 3 years at their home institution. They would receive a fourth year at BCOE which could lead to their being accepted in a MS/PhD Program at BCOE or another US academic institution. It was noted that this Program would give participants a distinct advantage since they would have an opportunity to obtain letters of reference from BCOE faculty. Lastly, Ravi will send data on how many of ME's 38 guaranteed course seats are being filled this quarter (at \$640/seat).

5. Graduate Education – Mark

Mark distributed a summary of BCOE enrolled grad students, new students and degrees awarded. He noted that the total number of BCOE grad students (including those on filing fee) rose from 510 in FY 10 to 514 in FY 11 to 534 in FY 12. The number of new BCOE grad students was 152 in FY 10, 131 in FY 11 and 149 in FY 12. The last section on the handout details the number of MS and PhD degrees awarded by BCOE departments over the last five years.

Reza emphasized that departments should update their grad student brochures on a regular basis. Also, Reza will ask Don to send out a reminder to BCOE faculty to send him updated lists of publications so that this information can be added to BCOE faculty websites. Lastly, Mark reminded participants of the October 3-4 training session on the Hobsons contact management system for grad student recruitment being piloted this year.

6. ABET and ABET Visit Training – Mitch

Mitch reminded participants of the October 11th ABET Visit Training session being given by the Dean of CSUF's College of Engineering and Computer Science. This session is scheduled from noon to 2pm and includes lunch. Also, the Review team's schedule has been finalized with ABET. Departments should reserve conference rooms for the entire Site Visit for their meetings with ABET reviewers. Mitch noted that the last day of the ABET Review is also election day so BCOE participants may want to submit absentee ballots. It was stressed that Chairs should share any communication they have with ABET Review team members with Dennis since other BCOE programs may benefit from this information. Lastly, Ravi reminded Chairs that UCR's Academic Senate has agreed to base their review of BCOE academic programs on ABET's

Review. However, there are a few additional questions that the Academic Senate wants answered by programs. Ravi will send these Senate questions to the Chairs.

7. Long Night of Arts & Innovation – Reza

Reza noted that the City of Riverside has scheduled a Long Night of Arts and Innovation in downtown Riverside from 6pm to midnight on October 4th. This is a regional event and will include several UCR faculty presentations. These presentations will rotate every 30 minutes. This event is modeled after a similar annual event held by Riverside's Sister City, Erlangen Germany. A delegation from Erlangen will be visiting BCOE on October 5th from 1:30 – 3:00pm. Reza will send participants an email on Riverside's Long Night of Arts and Innovation.

8. Faculty Recruitment for 2012-13 – Reza

Reza has received names of representatives for the Senior Faculty Search Committee from ME and CEE. Other departments need to submit their names to him as soon as possible.

9. Other Matters

Ravi asked that Chairs send him information on departmental course seats for the Winter quarter that could be guaranteed to UNEX as soon as possible. In response to a question, Ravi stated that BCOE's current course planning tool provides reasonable predictions for the following quarter. Ravi will send this planning tool information to the Chairs.



Chairs' & Center Directors' Meeting

October 1, 2012

Agenda

Winston Chung Hall – Room 443

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| 1. | Welcome - Request for Agenda Items from the Floor | Reza |
| 2. | Approval of Minutes from September 17, 2012 Meeting | Pat |
| 3. | TA Allocation Model | Pat |
| 4. | Undergraduate Education | Ravi |
| 5. | Graduate Education | Mark |
| 6. | ABET & ABET Visit Training, October 11 | Mitch |
| 7. | Long Night of Arts & Innovation, October 4 | Reza |
| 8. | Faculty Recruitment for 2012-13 | Reza |
| 9. | Other Matters | |

Next meeting scheduled
Monday – October 15, 2012

TA Funding Allocation Model with Service Course Weight Scenarios FY 2011-12

	2010-11 TA Allocations				2011-12 Academic Year						A		E
					Incoming Grad Students		Undergrad Workload FTE						
	Fall 2011		% of Total		2010-2011 (Adjusted)		% of Total		Weighted Average Factor		2011-12 TA Allocations		
BCoE Dept	Amount	% of total			Number	% of Total	Number	% of Total					
BIEN	122,245	7.82%			27	19%	55.31	5.90%	0.09				
CEE Dept					13								
CEE SC					0								
CEE Total	199,017	12.73%			13	9%	93.96	10.03%	0.10		164,115		
CSE Dept					45								
CSE SC					0								
CSE Total	695,022	44.46%			45	32%	456.45	48.72%	0.45		742,916		
EE Dept					23								
EE SC					0								
EE Total	250,892	16.05%			23	17%	136.09	14.53%	0.15		250,189		
ME Dept					18								
ME SC					0								
ME Total	277,294	17.74%			18	13%	195.06	20.82%	0.19		313,796		
MS&E	18,951	1.21%			13	9%	0.00	0.00%	0.02		38,917		
Total	1,563,421	100.00%			139	100%	936.87	100.00%	1.00		1,664,460		
	</												

Dean's Ofc (10% of total)

184,940

Weighted Average:

Incoming Grad Students: 0.25

Undergraduate Workload FTE 0.75

Total Proposed FY 2011-12 TA Funds Available

1,664,460

	B		C		D		E
	Difference: .25 SC Weight Factor vs. Actual Allocation		Difference: .50 SC Weight Factor vs. Actual Allocation		Difference: .75 SC Weight Factor vs. Actual Allocation		
	20,172		12,062		5,686		-43,233
	28,040		20,492		7,905		39,692
	-119,114		-74,397		-33,577		-13,391
	19,205		11,146		5,413		51,623
	51,697		30,697		14,573		-5,182
	0		0		0		-29,518
	0		0		0		

Post-Baccalaureate Certification via UNEX

Initial market research by UNEX appears to suggest significant interest. Ideally, we should have the courses identified in the next 2-3 weeks.

Some things to keep in mind:

- Incoming students already have a bachelor's degree in the field. We can assume some preparation (prereqs may still need to be verified by course).
 - UNEX recommends avoiding course sequences (C1 then C2, etc.), to preserve flexibility. Courses that may be taken individually are best.
 - We can include MS-level courses. This is helpful, since they may be able to transfer these into our/someone else's graduate program.
- Innovative programs are desirable. "Specializations" may be good.
 - Solar, alternative energy, environmental, robotics, etc.
 - "Break-in" opportunities for students with degrees in other areas.
 - Information Technology for non-CS graduates
 - Environmental/Biotech for non-ChE/non-BioE, etc.
- **Three student groups**
 - Chinese students: BS coursework completed.
 - Arrive in September for 3 quarters, 12 units/qtr.
 - Potential graduate students.
 - \$18K/student from UNEX.
 - Europe and India: BS coursework completed, may be in a 5-Yr BS/MS program.
 - Main interest is in the Post-Bacc. Diploma in Engr. and Mgmt.
 - We can offer courses from the On-Line MS in Engr. selection.
 - Two qtrs. coursework, one qtr. Internship (via UNEX)
 - Potential as graduate students.
 - \$640/seat from UNEX
 - Mixed group from around the world
 - We guarantee seats @ \$640/seat
- Ideally, we would make the same set of courses work for all three groups.

Also discussing a 3 + 1 + MS/PhD program

- TaipeiTech already interested
 - 3 years in China + 1 year in UNEX + MS/PhD at UCR

BCOE ENROLLED STUDENTS

Program	12F (w/Filing Fee)			12F (w/o Filing Fee)			11F (w/Filing Fee)			11F (w/o Filing Fee)			10F (w/Filing Fee)			10F (w/o Filing Fee)		
	MS	PHD	Total	MS	PHD	Total	MS	PHD	Total	MS	PHD	Total	MS	PHD	Total	MS	PHD	Total
BIEN	22	58	80	19	52	71	15	48	63	15	48	63	13	31	44	13	31	44
CEE	3	63	66	3	55	58	8	70	78	7	63	70	14	81	95	13	78	91
CPSC	46	132	178	39	121	160	42	130	172	36	120	156	42	111	153	33	108	141
ELEN	18	97	115	16	85	101	17	104	121	14	101	115	15	134	149	12	127	139
MCEN	14	42	56	12	38	50	13	43	56	12	40	52	14	44	58	12	42	54
MSE	7	32	39	5	28	33	6	18	24	5	18	23	0	11	11	0	11	11
BCOE	110	424	534	94	379	473	101	413	514	89	390	479	98	412	510	83	397	480

BCOE NEW STUDENTS

Program	12F Actual			12F Targets			11F Actual			11F Targets			10F Actual			10F Targets		
	MS	PHD	Total	MS	PHD	Total	MS	PHD	Total	MS	PHD	Total	MS	PHD	Total	MS	PHD	Total
BIEN	14	13	27	20	19	39	12	16	28	20	15	35	13	11	24	5	15	20
CEE	1	10	11	3	14	17	2	11	13	5	16	21	8	26	34	3	17	20
CPSC	25	22	47	20	20	40	19	26	45	15	25	40	18	19	37	20	25	45
ELEN	10	24	34	15	15	30	10	12	22	13	32	45	7	28	35	13	32	45
MCEN	7	9	16	13	12	25	4	7	11	15	10	25	7	7	14	2	6	8
MSE	2	12	14	6	10	16	4	8	12	4	8	12	0	8	8	4	8	12
BCOE	59	90	149	77	90	167	51	80	131	72	106	178	53	99	152	47	103	150

BCOE DEGREES AWARDED

Program	11F-12U			10F-11U			09F-10U			08F-09U			07F-08U		
	MS	PHD	Total	MS	PHD	Total	MS	PHD	Total	MS	PHD	Total	MS	PHD	Total
BIEN	10	2	12	9	1	10	2	1	3	1	0	1	1	1	2
CEE	3	15	18	12	5	17	8	13	21	1	8	9	1	12	13
CPSC	23	18	41	17	11	28	19	19	38	14	10	24	11	19	30
ELEN	15	24	39	30	29	59	23	10	33	14	12	26	14	7	21
MCEN	11	9	20	7	6	13	9	7	16	9	3	12	6	8	14
MSE	1	0	1	2	0	2	0	0	0	0	0	0	0	0	0
BCOE	63	68	131	77	52	129	61	50	111	39	33	72	33	47	80