Chairs' Meeting Minutes

Date: November 3, 2017 Location: WCH – Room 443 Attendees:

Marek Chrobak Ilya Dumer Jay Farrell Patrick Hartney Suveen Mathaudhu (for Guillermo Aguilar) Larry Morgan Ashok Mulchandani Walid Najjar Hyle Park (for Xiaoping Hu) Chinya Ravishankar Brian Suh Kambiz Vafai Sharon Walker Gillian Wilson Charlie Wyman

Absent:

Guillermo Aguilar Xiaoping Hu Marko Princevac Jun Wang

1. Welcome - Sharon

Sharon announced that Prof. Gillian Wilson, along with Larry Morgan and Brian Suh will be attending the meeting at 1pm to discuss UCR's I-Corp grant and the Office of Technology Partnerships.

2. Approval of Minutes from October 16, 2017 meeting – Sharon

The minutes of the October 16, 2017 meeting were unanimously approved.

3. MS On-line - Kambiz

Kambiz distributed a handout that summarized MSOL student (incoming and current) GPA, average GRE scores and the number of students per Specialization. He noted that there are 101 MSOL students this Fall. A second handout presented the total MSOL FY 16/17 tuition income and program expenses by Specialization. MSOL generated \$288K of gross income last year. 10% of this income will be allocated to the Dean's Office; 10% will be allocated to BCOE's TA pool and the remaining 80% will be distributed to the Specializations (based on each Specialization's share of total income). The financial benefits to Specializations totaled to \$445K, including instructional incentives to faculty (\$120K), TA support (\$108K) and distribution of net income (\$216K). MSOL's net income will be distributed to departments by the Dean's Office next week. Kambiz also announced that the MSOL Data Science

Specialization is now approved for tuition reimbursement for employees at Qualcomm. Additionally, Kambiz distributed summaries of MSOL Student Profile, Program Accomplishments and details of Student Population (students/Specialization and location). Kambiz indicated that representatives of Pearson will be at UCR for their quarterly meeting on 12/1. Chairs are welcome to meet with these Pearson reps. Lastly, Kambiz wants to market MSOL internationally outside the current Pearson agreement. Sharon asked to receive more details on this plan since she is concerned about possible impacts of this additional workload on BCOE staff.

4. Undergraduate Education - Marko

Marko was unavailable for this meeting but he sent copies of the attached Undergraduate Education presentation to Chairs yesterday.

5. Budget Update - Pat

Pat called attention to the three graphs attached to the agenda. The first graph presents BCOE's Carryforward history from FY08 to FY17 and includes separate lines for Carryforward funds (i.e., cash on hand), net deficit with current IC commitments and net deficit with all commitments. Pat commented that this graphs shows that BCOE's net deficit has been decreasing slightly over the past several years (including last year) and that the primary component of this deficit is IC commitments to faculty hires. BCOE has enough annual funding to cover projected annual IC expenses. The second graph presents BCOE's University Funding history for faculty salary/benefits, department operations, Dean's Office, Student Affairs and Initial Complement expenses from FY14 to FY17. This graph shows that most BCOE funding goes to its faculty and that funding to departments has grown over the past four years as compared to the Dean's Office and Student Affairs. The third chart presents this same data by percentage and again shows that most BCOE funding goes to faculty salary/benefits and that this percentage has increased over the last four years. Percent funding distributions to departments, Dean's Office and Student Affairs has remained relatively flat.

Next, Pat noted the MSNRT Distribution of Income page attached to the agenda. Prior to the implementation of UCR's new budget model, the Dean's Office distributed 80% of the MSNRT it received from campus to departments. Under UCR's new budget model, BCOE receives a greater percentage of MSNRT funding but is also charged about \$3,800 per grad student FTE in indirect costs. As such, the net amount available for distribution to departments will be less. The Dean's Office has asked for MS student data from BCOE FAOs so that it can determine the distribution of this net MSNRT to programs. Pat expects this analysis to be completed within the next three months. Pat commented that the Dean's Office is using the same allocation methods for all other university funding to departments/programs as before. The reasons for this continuity are that UCR's new budget model has had little impact on BCOE's funding so far. This will likely change in future years, particularly if/when UCR modifies this model as expected. Also, a permanent BCOE Dean will likely want to be given an opportunity to determine what changes, if any, need to be made to allocation methodologies.

In response to a question about the financial incentive to offer specific (service) courses, Pat indicated that Activity Based Costing (ABC) was supposed to provide this information but UCR has not had time to fully implement this tool. Pat will try to develop a BCOE model to

present this information but this won't be available until after UCPath implementation. Lastly, Pat mentioned that campus Service Level Agreements (SLAs) are approved by UCR's SLA Governance Committee. BCOE doesn't have a representative on this Committee at this time. It's unclear in some of these SLAs what services are being provided for free and what services need to be funded by departments/orgs. It will take time for the Governance Committee to work out these details.

6. Opportunities offered by the recent NSF I-Corp grant – Gillian Wilson

Prof. Gillian Wilson made the attached presentation at the meeting. Items discussed included:

- The Provost has initiated a biannual Teaming mini-grant program. The next proposals are due on 12/1/17. These \$3K mini-grants are intended to support workshops, symposia, etc that will lead to collaborative grant proposals.
- RED wants to sustain/improve shared-use research facilities (such as CFAMM) and to discover new customers for these facilities. Gillian requested participants to send her names of other (local) institutions with shared-use facilities so that she can identify best practices.
- Larry Morgan (Director of UCR's Entrepreneurial Proof of concept and Innovation Center) stated that UCR received a \$500K NSF I-Corp grant. This grant is intended to provide in-house commercialization training to UCR faculty and students. UCR has 10 entrepreneurs in residence at UCR. These mentors have met with ~160 teams so far.
- The Highlander Fund has \$10M for seed funding projects. Approved projects are expected to be funded at \$100-250K per project.
- RED will be requesting Proof of Concept proposals (two times per year). RED expects to make \$30-50K awards to about three teams per cycle.
- It was noted by participants that RED may need to add more staffing to enhance pre-IP efforts.
- Concerns about staffing or responsiveness in UCR's Office of Technology Partnerships should be sent directly to AVC Rosibel Ochoa.
- Brian Suh (Director of Technology Commercialization) added that UCR held its inaugural patent award ceremony about two weeks ago.
- Lastly, Gillian is willing to make presentations at department faculty meetings.

7. Dean's update – Sharon

Sharon noted the recent update on contract/grant funding from Mike Pazzani that she sent to Chairs. She noted that 9 of the top 35 UCR PIs are in BCOE and 2 of the top 3 departments are in BCOE

Sharon stated that Executive Committee members need to be informed of Winter and Spring teaching assignments as soon as possible so that they can determine when they will be available for Executive Committee meetings.

Sharon indicated that UCPath will likely be implemented at UCR in January 2018. Several Dean's Office staff are heavily involved in this effort and department/center staff will need to be trained over the next few weeks. Pat noted that UCPath's direct impact on faculty will be minimal but more advance notice will be needed in order to hire students and staff.

Sharon distributed a card announcing the November 18th Homecoming events at BCOE. She asked that Chairs attend these events and encourage other faculty to be there.

Sharon distributed a draft BCOE Industry Partners Program brochure from Mike Allen. She asked that feedback be sent to her. It was recommended that memberships be free at least initially. It is believed that only three other UC Colleges of Engineering charge membership fees. It was also recommended that quotes from other corporate supporters be substituted for the ones from Gordon Bourns and Winston Chung since most readers would assume that these individuals would be highly supportive of BCOE. Other recommendations were to narrow down "600 areas of research" and to indicate that access to facilities and sophisticated equipment would not be free.

Sharon distributed her notes from the 10/23/17 CAP discussion with UCR Deans. She stressed that CAP advises that research outcomes are more of a priority than amounts of research funding. Also, there should be more reporting of teaching expertise including independent evaluation of teaching. Additionally, CAP wants to review all BCOE files at the same time. Lastly, it was advised that specific dollar figures not be included in files since these figures will need to be verified by CAP staff and will delay the review process. An alternative is to use "more than \$xxx" instead of a specific figure.

8. Staff Appreciation – Sharon

Sharon distributed flyers announcing this year's BCOE Staff Appreciation event. This event is scheduled for December 8th from noon to 2pm in WCH 205/206. She asked Chairs to encourage faculty to attend this event.

9. Department Updates - Chairs

Due to time constraints, this topic was delayed to the next meeting.

10. Graduate Education - Ravi

Due to time constraints, this topic was delayed to the next meeting.

No other topics were discussed.

Chairs' Meeting November 3, 2017

<u>Agenda</u>

Winston Chung Hall-Room 443

| 1. | Welcome | Sharon |
|-----|---|----------------------|
| 2. | Approval of Minutes from October 16, 2017 Meeting | Pat |
| 3. | MS On-line | Kambiz |
| 4. | Budget Update | Pat |
| 5. | Graduate Education | Ravi |
| 6. | Undergraduate Education | Marko |
| 7. | Dean's Updates | Sharon |
| 8. | Staff Appreciation | Sharon/Pat |
| 9. | Department Updates | Chairs |
| 10. | Opportunities offered by the recent NSF I-Corp | Prof. Gillian Wilson |

| | Upcoming Winter 18 Students | Active (current) | Graduates | Withdrawn | Total Students Overall | Average GPA Entry | Average Current GPA | Average GRE |
|-------|-----------------------------|------------------|-----------|-----------|-------------------------------|---|---------------------|-------------|
| BIEN | H | 16 | 9 | 4 | 27 | 3.1 | 3.6 | 308 |
| CEE | 0 | 18 | 80 | 2 | 28 | 3.1 | 3.8 | 305 |
| DATA | ß | 22 | ۲ł | 7 | 33 | 3.5 | . 3.8 | 313 |
| EE | 0 | IJ | 7 | 0 | ζ. | 3.3 | 3.5 | 304 |
| ME | к . | 24 | 11 | 9 | 42 | m | 3.7 | 306 |
| MSE | 0 | 11 | 0 | 2 | , 13 | 2.9 | 3.9 | 310 |
| Total | 9 | 96 | 28 | 21 | 150 | 200300100000000000000000000000000000000 | 3.716666667 | 307.6666667 |

d)

· ·

. . .

74

. •

| | | Master's Online | Tuition Income | Master's Online Tuition Income vs. Expenses for FY16/17 Fiscal Year | Y16/17 Fiscal Ye | ear | | |
|----------------------------|-------------|-----------------|----------------|---|------------------|------------|-----------|--------------|
| | Program O/H | Bioengr | Envîron | Data Science | Electrical | Mechanical | Materials | Totals |
| Tuition Income | 827,169.00 | 89,964.00 | 204,085.00 | 117,786.20 | 77,469.00 | 347,777.50 | 78,302.00 | 1,742,552.70 |
| Expenses | | | | | | | | |
| Chair/Grad Advisor Exps. | 65,745.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 65,745.29 |
| Lecturer* | 63,784.95 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 63,784.95 |
| TA-Ships | 0.00 | 13,272.17 | 28,675.29 | 21,264.34 | 15,578.06 | 12,586.57 | 16,719.72 | 108,096.15 |
| Video Technicians | 94,550.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 94,550.05 |
| Graduate Assistant | 86,800.44 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 86,800.44 |
| Pearson's | 426,169.48 | 50,679.72 | 107,686.58 | 50,591.40 | 42,256.42 | 175,463.13 | 39,850.71 | 892,697.44 |
| Specialization Incentíve | 0.00 | 15,600.00 | 28,800.00 | 20,800.00 | 10,600.00 | 31,000.00 | 13,200.00 | 120,000.00 |
| UCOP Assessment | 1,632.41 | 171.74 | 356.56 | 200.03 | 147.74 | 472.89 | 150.62 | 3,132.00 |
| FWS Fee for K.Koziar** | 14,994,75 | 0.00 | 0,00 | 0.00 | 0.00 | 0.00 | 0.00 | 14,994.75 |
| Application fees | 320.00 | 0.00 | 0.00 | 0.00 | 00.0 | 0.00 | 0.00 | 320.00 |
| General Supplies | 3,791.91 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3,791.91 |
| 1 | 757,789.28 | 79,723.63 | 165,518.43 | 92,855.77 | 68,582.22 | 219,522.59 | 69,921.05 | 1,453,912.98 |
| Net Balance > | 69,379.72 | 10,240.37 | 38,566.57 | 24,930.43 | 8,886.78 | 128,254.91 | 8,380.95 | 288,639.72 |
| 10% TA Funding pool | 6,937.97 | 1,024.04 | 3,856.66 | 2,493.04 | 888.68 | 12,825.49 | 838.09 | 28,863.97 |
| 10% Dean's Office pool | 6,937.97 | 1,024.04 | 3,856.66 | 2,493.04 | 888.68 | 12,825.49 | 838.09 | 28,863.97 |
| Start-up loan payment*** | 3,475.74 | 513.02 | 1,932.08 | 1,248.95 | 445.20 | 6,425.23 | 419.86 | 14,460.08 |
| Balance for distribution > | 52,028.04 | 7,679.28 | 28,921.18 | 18,695.40 | 6,664.22 | 96,178.70 | 6,284.89 | 216,451.70 |
| Ш | To be split | | | | | | | |

.2

J¹

| Financial Impact to Dept. | Program O/H | Bioengr | Environ | Data Science | Electrical | Mechanical | Materials | Totals |
|---|-------------|-----------|-----------|--------------|------------|------------|-----------|------------|
| Faculty Incentives | I | 15,600.00 | 28,800.00 | 20,800.00 | 10,600.00 | 31,000.00 | 13,200.00 | 120,000.00 |
| TA Support | · | 13,272.17 | 28,675.29 | 21,264.34 | 15,578.06 | 12,586.57 | 16,719.72 | 108,096.15 |
| and the second se | | 10,109.21 | 38,072.61 | 24,611.12 | 8,772.96 | 126,612.20 | 8,273.60 | 216,451.70 |
| | 1 | 38,981.38 | 95,547.90 | 66,675.46 | 34,951.02 | 170,198.77 | 38,193.32 | 444,547.85 |

*Includes summer and academic year salaries, less tuition rec'd for ground students.

**Tuition discount for UCR Librarian

***Start-up cost = \$115,680.63 and payment is amortized over 8 years to coincide with remaining Pearson agreement term.

****Tuition Income and expenses are for the fiscal year, which runs July 1, 2016 - June 30, 2017.



The online degree in Data Science is now approved for tuition reimbursement at Qualcomm. That is, with manager's approval and based on their grades, employees will be reimbursed for courses which are listed as part of the degree program. The amount for the reimbursement varies per country, as outlined by their local HR policy.



Student Profile

CORE PERSONAS ---

- Career Advancers
- Engineers who are currently working and want to advance their career to the next leve
- This audience wants to continue actively working in the field (maintain a presence in the technical side of things) while gaining a business background that can position them as leaders who can manage teams and take on broader responsibilities in their
- organizations.





x

4



| Fal | 1 201 | 17 E | lnr | ollment | Targ | ets | |
|--|--|--|------|---------|----------------------|--|--|
| BCOE S | ubmitte | d wish | list | UCR wis | h list | | |
| F_2017 Fr BIEN CEN CHEN CS CSAB ECE ENVE ME MSE BCOE | reshmen Tra 50 55 60 73 15 80 40 80 30 483 | nsfer 15 20 20 28 10 30 10 10 10 163 Total: | 646 | - | ed acros nodate i | s UCR to the appr shmen 5 00 25 | |
| | | | | | | ayang sangal guntumb dan Katalan da Katala | |

| ALCOL: CODASS | 465 2300 | 10 | 475 | |
|--|---|--|--|---|
| | | 400 | | |
| | 2300 1735 | 100 90 | 2400 1825 | |
| | 1735 | 0 | 1825 | |
| | 4500 | 200 | 4700 | |
| | | | | |
| CA F | Resident | Non-resident | Total | |
| (3)9(3) | 145 | 10 | 155 | |
| 0.224533 | 750 | 70 | 820 | |
| | | | | |
| - Store of the sto | | | | |
| 10. h. J | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | Step4 Total College BCOF CHASS CNAS Sep4 Total | Transfers College CA Resident 1 BCOE 145 | Total 4500 200 Transfers | Total 4500 200 4700 Transfers - |

| 1 | djusted Enrol 65 freshmen a | 0 | | rogram dowr | to total of |
|---------|--------------------------------|----------------|---------|--------------|--|
| | Program Targets | Original_F Rec | luced_F | Original_T R | educed_T |
| 1 | BIEN | 50 | 48 | 15 | 15 |
| 2 | CEN | 55 | 54 | 20 | 19 |
| 3 | CHEN | 60 | 58 | 20 | 19 |
| 4 | CS | 73 | 71 | 28 | 26 |
| 5 | CSBA | 15 | 14 | 10 | 10 |
| 6 | ECE | 80 | 77 | 30 | 27 |
| 7 | ENVE | 40 | 38 | 10 | 10 |
| 8 | ME | 80 | 76 | 20 | 19 |
| 9 | MSE | 30 | 29 | 10 | 10 |
| | Total | 483 | 465 | 163 | 155 |
| 1000000 | | | | | |
| | | A | | | And the second s |

| Per program Target 2017 Fall 2017 Diff %diff Bio-englicesting 48 61 13 27 Bus. Informatics C C 0 0 Chern Engr 58 60 2 3 Computer Engr 54 58 4 7 CS Businesa 1 -5 21 Computer Science 71 78 7 10 Flexitrial Engr 77 65 -6 -10 | Bidengineering 48 61 13 27 Bus. Informatics 0 0 0 Chem. Engt 58 69 2 3 Computer Engr 54 58 4 7 Q.Businese 1 - - Applications 14 11 - - Computer Science 71 78 7 10 Environmental Engr 77 69 - 10 Environmental Engr 36 26 -12 - Materiais Sci and Engr 23 27 7 24 Mechanical 76 55 -21 - Total BCOF 465 440 20 -8 Valeriais Sci and Engr 23 -27 -28 Total BCOF 465 440 20 -8 Valeriais Sci and Engr 16 12 -3 Bus, Informatics 0 0 0 Computer Engr 18 13 -6 OS Bussines 1 14 -3 | Per pro | | Enrolled | | 1 | | | | | |
|---|--|------------|---------------|---|--|--|-------------|----------|------------------|------------------------------------|------------------|
| Bus. Informatics C C O Chem Engr 58 60 2 3 Computer Engr 54 55 4 7 OB Bus/Instance 14 11 -3 -21 Computer Science 71 78 7 10 Flextrical Engr 77 65 -8 40 Environmental Engr 38 26 -12 -32 Materials Sci and Engr 29 22 -7 24 Machanicai 76 55 -21 -28 Total BCOE 465 440 -25 -8 Intervision for the second formation of the second format | Bus. Informatics C C O Chem Engr 58 60 2 3 Computer Engr 54 58 4 7 OS Businesa 4 11 5 521 Applications 14 11 5 521 Computer Science 71 76 7 10 Electrical Engr 77 69 -6 10 Environmental Engr 38 26 -12 -32 Valerials Sci and Engr 23 22 -77 -24 Mechanical 76 55 -21 -28 Transfer Errolled Per program Target 2017 Fall 2017 Diff %diff Bus. Informatics 0 0 0 0 0 0 Computer Engr 19 13 -6 C 8 4 22 -24 Computer Engr 19 13 -6 C 8 4 4 | | Target 2017 F | all 2017 | | | | | | | |
| Chem Engr 88 60 2 3 Computer Engr 54 56 4 7 C3 Businesa 14 11 -3 -21 Computer Science 71 78 7 10 Environmental Engr 38 26 -12 -32 Materials Sci and Engr 38 26 -12 -32 Materials Sci and Engr 38 26 -12 -32 Materials Sci and Engr 38 26 -12 -32 Total BCOE 465 440 -26 -5 Total BCOE 465 440 -26 -5 V Transfer Enrolled 9 42 -3 Bioengineering 15 12 -3 -3 -3 Bus, Informatics 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | Chem Engr 56 60 2 3 Computer Engr 54 58 4 7 O3 Business 14 11 -3 -21 Applications 14 11 -3 -21 Computer Science 71 78 7 10 Firstrical Engr 7 69 -8 -10 Environmental Engr 78 22 -7 -24 Materials Sci and Engr 23 22 -7 -24 Mechanical 76 55 -21 -28 Total BCOE 465 440 25 -8 Transfer Enrolled Per program Target 2017 Fall 2017 Diff Nicenglineening 15 12 -3 -3 -3 Bus, Informatics 0 0 0 -3 Computer Engr 19 42 23 -3 Computer Engr 19 13 -6 -3 | | 48 | Statistics and states a | the second s | the second s | | | | | |
| Computer Engr 54 58 4 7 COB Business 14 11 3 21 Computer Science 71 76 7 10 Flantnical Engr 77 69 -86 16 Environmental Engr 38 26 -12 -32 Materials Sol and Engr 76 55 -21 -28 Total BCOF 465 440 20 -8 It also and Engr 76 55 -21 -28 Total BCOF 455 440 20 -8 It ansfer Enrolled ///// 43 -3 Bigengineering 15 12 -3 Bus, Informatics 0 0 0 0 Computer Engr 19 42 23 -3 Computer Science 26 68 42 | Computer Engr 64 58 4 7 03 Business 14 11 -3 -21 Computer Science 71 76 7 10 Electrical Engr 77 69 -8 -10 Environmental Engr 36 26 -12 -32 Materials Sci and Engr 29 22 -7 24 Mechanical 76 55 -21 -28 Total BCOE 466 440 25 -5 Materials Sci and Engr 29 -21 -28 Total BCOE 466 440 25 -5 Total BCOE 466 440 26 -5 Computer Engr 19 13 -6 -6 Computer Engr 19 13 -6 -6 Computer Engr 19 13 -6 -12 -3 Bus linformatics 0 0 0 -2 -3 Bus linformatics | | | | <u> </u> | | 1 | | | | |
| CS Businesa 14 11 -3 -21 Applications 14 11 -3 -21 Computer Science 71 78 7 10 Flextrical Eng 77 65 -8 40 Environmental Engr 36 26 -12 -32 Materials Sci and Engr 29 22 -7 -28 Total BCOE 466 440 25 -5 Total BCOE 466 440 25 -5 Transfer Enrolled -3 -3 Bigengingening 15 12 -3 Bus, Informatics 0 0 0 Computer Engr 19 13 -6 C3 Bussines 10 4 6 Computer Science 26 68 42 | C3 Business 14 11 -3 -21 Applications 14 11 -3 -21 Computer Science 71 78 7 10 Environmental Engr 38 26 -12 -32 Materials Sol and Engr 23 22 -7 24 Mechanical 76 55 -21 -26 Total BCOFE 465 440 -25 -5 Transfer Enrolled -6 -26 Ober BCOFE 465 440 -26 Vial BCOFE 465 440 -28 Science 0 0 0 Chem Engr 19 42 -3 Bus, Informatics 0 0 0 Chem Engr 19 13 -6 C S Busines 16 4 -6 Computer Science 26 68 42 Electrical Engr 27 12 15 Environmental Engr 10 4 -6 | | | | | 4 7 | | | | | |
| Computer Science 71 78 7 10 Flexititeal Engr 77 65 .6 .10 Environmental Engr 38 26 -12 -32 Materials Sol and Engr 29 22 -7 24 Mechanical 76 55 -21 -28 Total BCOE 485 440 -25 -8 Image and the solution of the solution | Computer Science 71 78 7 10 Electrical Engr 77 69 .60 .10 Environmental Engr 38 26 .12 .32 Materials Sol and Engr 29 22 .7 .24 Mechanical 76 .55 .21 .28 Total RCOE 469 .440 .25 .5 Total RCOE 469 .400 .25 .5 Total RCOE 469 .400 .25 .5 Per program Target 2017 Fall 2017 Diff %diff Bloenglineering 15 .12 .3 .3 Bus, Informatics 0 0 0 Computer Engr .19 .13 .6 Computer Science .26 .68 Applications .10 .4 Computer Science .26 Lisct | | | | 1 | 1 | | | | | |
| Transfer Environmental Engr 36 26 -10 Materials 301 and Engr 36 26 -12 -32 Materials 301 and Engr 29 22 -7 -24 Mechanical 76 55 -21 -25 Total BCOF 466 440 25 -5 Bigengineering 15 12 -3 Bus, Informatics 0 0 0 Computer Engr 19 42 23 Computer Science 26 68 42 | Electrical Engr 77 89 -8 -10 Environmental Engr 36 26 -12 -32 Materials Sci and Engr 28 22 -7 -24 Mechanical 76 55 -21 -28 Total BCOE 469 440 -25 -5 Transfer Etricolled - - Per program Target 2017 Fall 2017 Diff %diff Bidengingering 15 12 -3 Bus, Informatics 0 0 0 Chem Engr 19 13 -6 Computer Engr 19 13 -6 Computer Engr 17 16 4 Environmental Engr 27 12 15 | | | 1 | 1 - | 3 -21 | 4 | | | | |
| Environmental Engr 36 26 -12 -32 Materials Sol and Engr 23 22 -71 -24 Machanical 76 55 -21 -28 Total BCOE 456 440 -25 -8 Transfer Enrolled Enrolled %diff Bioengineering 15 12 -3 Bus. Informatics 0 0 0 Chem Engr 19 13 -6 C3 Bussines 10 4 6 Computer Science 26 68 42 | Environmental Engr 36 26 -12 -32 Maleriais Sol and Engr 29 22 -7 -24 Mechanical 76 55 -21 -28 Transfer Encrolled Per program Target 2017 Fall 2017 Diff %diff Bioongineering 15 12 -3 Bus, Informatics 0 0 0 0 Chem.Engr 19 42 23 Computer Engr 19 13 -6 C 8 Bussines Applications 16 4 6 Computer Science 26 68 42 Electrical Engr 97 12 15 | | 71 | | | 7 10 |) | | | | |
| Materials Sol and Eng. 29 22 -7 -24 Mechanical 76 55 -21 -26 Total BCOE 465 440 -25 -5 Bidengineering 15 12 -3 Computer Engr 19 42 23 Computer Engr 19 13 -6 Computer Science 26 68 42 | Materials Sol and Engr 28 22 -7 -24 Mechanical 76 55 -21 -28 Total BCOE 465 440 25 -5 Transfer Enrolled Fall 2017 Diff %diff Biosnaficeeting 15 12 -3 -3 Bus, Informatics 0 0 0 0 Chem Engr 19 42 28 -3 Computer Engr 19 13 -6 -6 C & Bussines 16 4 6 -3 C Brussines 16 4 6 -4 C Brustines 10 4 -6 -4 | | // | Sector and Account of Contraction of the | | | | | | | |
| Mechanical 76 55 -21 -26 Total RCOE 465 440 -25 -8 Transfer Target 2017 Fall 2017 Diff %diff Bidengineering 15 12 -3 -3 Bus. Informatics 0 | Mechanical 76 55 -21 -26 Total BCOE 465 440 25 -5 Transfer Enrolled 9/41 Per program Target 2017 Fall 2017 Diff %diff Bidengineening 15 12 -3 -3 Bus, Informatics 0 0 0 - Chem Engr 19 13 -6 - CS Bussines 10 4 -6 - Computer Science 26 68 42 - Electrical Engr 17 12 15 - Functions 10 4 -6 - | | | Z | oj -1. ol | 2) -34 7 - 34 | | | | | |
| Transfer Enrolled Per program Target 2017 Fall 2017 Diff %diff Bigengingening 15 12 -3 Bus, Informatics 0 0 0 Chem, Engr 19 42 23 Computer Engr 19 13 -6 CS Bussines 10 4 6 Computer Science 26 68 42 | Transfer Enrolled Per program Target 2017 Fall 2017 Bisengineering 15 12 Bus. Informatics 0 0 Computer Engr 19 42 Computer Engr 19 13 CS Bussines 16 4 Applications 16 4 Erectrical Engr 27 12 Environmental Engr 10 4 | | | 5 | 5 -2 | 1 -28 | 3 | | | | |
| Per program Target 2017 Fall 2017 Diff %diff Bioengineering 15 12 -3 Bus, Informatics 0 0 0 0 Chim Enar 19 42 23 Computer Engr 19 13 -6 QS Bussines 10 4 6 Computer Science 26 68 42 | Per program Target 2017 Fall 2017 Diff %diff Bidengingening 15 12 -3 Bus, Informatics 0 0 0 Chem Engr 19 42 23 Computer Engr 19 13 -6 C\$ Bussines 10 4 -6 Applications 10 4 -6 Electrical Engr 27 12 15 Environmental Engr 10 4 -6 | Total BCOE | 465 | 44 | 0 -2 | 5 4 | | | | | |
| Per program Target 2017 Fall 2017 Diff %diff Bioengineering 15 12 -3 Bus, Informatics 0 0 0 0 Chim Enar 19 42 23 Computer Engr 19 13 -6 QS Bussines 10 4 6 Computer Science 26 68 42 | Per program Target 2017 Fall 2017 Diff %diff Bidengingening 15 12 -3 Bus, Informatics 0 0 0 Chem Engr 19 42 23 Computer Engr 19 13 -6 C\$ Bussines 10 4 -6 Applications 10 4 -6 Electrical Engr 27 12 15 Environmental Engr 10 4 -6 | | | | Tranefo | r ng inng. | | Facolled | | | |
| Bidengineering15123Bus. Informatics000Chem Enar194223Computer Enar1913-6C& Bussines1046Applications1046Computer Science266842 | Bidengingening 15 12 -3 Bus, Informatics 0 0 0 Chem Engr 19 42 23 Computer Engr 19 13 -6 C8: Bussines 10 4 e Applications 10 4 e Electrical Engr 27 12 15 Environmental Engr 10 4 -6 | | | Pe | | | Target 2017 | | Diff | %diff | 200000 |
| Chem Engr 19 42 23 Computer Engr 19 13 -6 C8 Bussines 10 4 6 Applications 10 4 6 Computer Science 26 68 42 | Chem Engr 19 42 23 Computer Engr 19 13 -6 CS Bussines 10 4 6 Applications 10 4 6 Computer Science 26 68 42 Electrical Engr 27 12 15 Environmental Engr 10 4 -6 | | | | | 1 | 15 | | 12 | -3 | |
| Computer Engr 19 13 -6 C & Bussines 4 6 Applications 10 4 6 / Computer Science 26 68 42 | Computer Engr 19 13 -6 CS Bussines 10 4 e Applications 10 4 e Computer Science 26 68 42 Electrical Engr 27 12 15 Environmental Engr 10 4 -6 | | | | | S | | | ~ | | |
| C 8 Bussines Applications 10 4 6 7 Computer Science 26 68 42 | CS Bussines Applications 10 4 e Computer Science 26 68 42 Electrical Engr 27 12 15 Environmental Engr 10 4 -6 | | | | | - 10 M | | | Cold Cold States | Contract International Association | - 11 |
| Applications 10 4 6 / Computer Science 26 68 42 | Applications 10 4 e ' Computer Science 26 68 42 Electrical Engr 27 12 15 Environmental Engr 10 4 -6 | | | | | 1 | 19 | | 13 | -6 | |
| / Computer Science 26 68 42 | Computer Science 26 68 42 Electrical Engr 27 12 16 Environmental Engr 10 4 -6 | | | | | | 10 | | 4 | 6 | |
| | Electrical Engr 27 12 16 Environmental Engr 10 4 -6 | / | | | | ence | | | 68 | 42 | <u>44969</u> 582 |
| Efectrical Engr 27 12 15 | M | | | | | | | | 12 | 15 | |
| | Maleriais Sci and | | | | | | · 10 | | 4 | -6 | |

| Total | | and the second s | 2000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | Sec. March | | | - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 1 |
|---------------------------------|--------------------|--|--|--------------|--------|-------|--|
| er program | Target Enrol 63 | led Diff | %diff | 16 | | | |
| Neenoncenno Sus, Informatics | \ 0 | 0 | 0 | 19 | | | |
| hem Engr | 77 | 102 | 25 | 32 | 1.10 | | |
| Computer Engr | 73 | 71 | -2 | -3 | AIS cu | itoff | |
| S Bussines | 24 | 15 | -9 | 38 | | 2017 | 2016 |
| Computer Science | 97 | 146 | 49 | 51 | BIEN | 4275 | 4150 |
| lectrical Engr | 104 | 81 | -23 | -22 | CEN | 4425 | 4330 |
| nvironmental | 48 | 30 | -18 | -38 | | | |
| ingr Aaterials Sci and | 40 | | -10 | -50 | CHEN | 4125 | 4070 |
| ngr | 39 | 2/ | -12 | -31 | CS | 4550 | 4440 |
| lechanical otal BCOE | 95 620 | 98 643 | 3 | 3 | | | (870 |
| Otel DOOF | 02.6 | 0.00 | . 201 | | EE | 4175 | 4070 |
| | | | | | CSBA | 4525 | 4000 |
| Winter tra | nsfers: 92 a | applicant. 3 | 38 admiss | ions. 27 | | 1005 | 1000 |
| | | ~ ~ | | | ENEN | 4225 | 4000 |
| 51Ks (as 01 | f 10/27, de | adiine was | Novemb | $er 1^{(n)}$ | MCEN | 4375 | 4270 |
| | | | | | | | |





2012-2013 ABET Accreditation Results

Accredited until September 30, 2019 - full accreditation

Reaccreditation will be a comprehensive general review A request for reaccreditation due to ABET by January 31, 2018 Self-Study Reports due July 1, 2018 Site visit will be sometime in the Fall (early November).

Status: programs had Board of Advisors meetings, revised PEOs, data is in good shape, several self studies are in advanced stage, monthly meetings with ABET coordinators, monthly reports to program Chairs...

UCR





*Lecturer amounts are based on reimbursement amounts.

***Instructional Equipment funds not allocated in FY17

****Other items include: CRIS & CNSE support; Systems expenses; ABET funding; & Student Organization support; Facilities exps REIMB non-salary; course buyouts; GL/EP; conf room usage; workcomp; grad app fees

*****This only includes Special State Appropriations (18802) & General Funds (19900), except for 20308 for GPP, 19942 for MSNRT, and 19917 for PC replacement.

| | BC | OE 4 Year Fu | nding Percenta | age History | |
|-------------|--|---|--|--|--|
| 60% ~- | | | | | |
| | | | | | |
| | a sanaga fan ta sanaga ta janaka ana ana a | | مېرونې ور مېرونې ور | and a star of a star for a star and the star of a star for a star and a star of a star and a star and a star a | b) big particular defenses and a second s second second second second second sec |
| | and the second | | | | |
| 50% ~ | | | | انىي ئەرىكە يېلىرى ئەرىپى - يىل ئىرىكى يىل يىلى يەرىپى يەرىكى يىلىكى يەرىپىلىكى يەرىكى يەرىكى يەرىكى يەرىكى يە يەرىپىلەر يەرىپىلىرى يەرىپىلىرى يەرىپىلىرى يەرىپىلىرى يەرىپىلىرى يەرىپىلىرى يەرىپىلىرى يەرىپىلىرى يەرىپىلىرى يەر | р ₁₉₉₆ у у шандар (к. , 4) – стануст од рамијану субет се из из из из из |
| | | | | | |
| | | | | | |
| | | | | | |
| 10% ~~ | | | | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | |
| | | | | | |
| | | | | | |
| 3.00/ | | | | | |
| 50% ~ | | | and an grant of the second | | |
| | | | | | |
| | | | | | |
| 0.0% | а, _{та} ку уму у булуран је уулура је на бала кала и булик уук, у уу с ула сала с и на ба абала | | | an an tha that is a loss in state and an an an an an an an and an | · ···································· |
| 2070 | | | | | |
| | | | | | |
| | | | | | |
| L O% | | | فمتدف ماستقابين المنتبة بالمرجوع والاستراد والاستقالات | | |
| | | | | | |
| | | ander and an independence of the second s | | | and the second |
| | ಲ್ಲಿ ಕಾರ್ಯವರ್ಷ ಸಂಭೇಷ ಮುಂದು ಕಾರ್ಯವರ್ಷವರ್ಷ ಮುಂದು ಮಾಡಲಾಗಿದ್ದ ಮುಂದು ಮಾಡಲಾಗಿದ್ದ ಮುಂದು ಮಾಡಲಾಗಿದ್ದ ಮಾಡಲಾಗಿದ್ದ ಮಾಡಲಾಗಿ | | | en an | TALENCE TRANSPORTATION OF THE OWNER |
| 0% | FY13/14 | FY14/15 | | FY15/16 | FY16/17 |
| | | | | | |
| | Depts/Programs/Centers | Dean's Office | Student Affairs | Faculty & Chairs 🛛 🛎 | initial Comp Exps. |
| | | | | | |
| | | ltems i | ncluded in Totals abov | e: | |
| | Lecturers | GPP | | Faculty Recruitment | |
| | Staff | MSNRT | | Instruc. Equipment | |
| | TA-ships | ICR | | Grad Stdnt Recruitment | : |
| | GSRs | Summer S | Session | Match/Retention/IAA | |
| | | | | | |

*Lecturer amounts are based on reimbursement amounts.

***Instructional Equipment funds not allocated in FY17

****Other items include: CRIS & CNSE support; Systems expenses; ABET funding; & Student Organization support; Facilities exps REIMB non-salary; course buyouts; GL/EP; conf room usage; workcomp; grad app fees

*****This only includes Special State Appropriations (18802) & General Funds (19900), except for 20308 for GPP, 19942 for MSNRT, and 19917 for PC replacement.

MSNRT Distribution of Income Actuals for FY 15 & FY 16; Proposed for FY17

| | FY15* | FY16* | FY17** |
|-----------------------|---------|---------|---------|
| # of FTE | 66 | 71 | 106 |
| | | | |
| Total MSNRT | 498,366 | 536,121 | 831,949 |
| Indirect Cost*** | 0 | 0 | 401,656 |
| Available for Dist. > | 498,366 | 536,121 | 430,293 |
| | | | |
| 20% Dean's | 99,673 | 107,224 | 86,059 |
| 80% Depts. | 200 000 | 400.007 | 244 224 |
| 0070 Depts. | 398,693 | 428,897 | 344,234 |

*FY15 & FY16 MSNRT College allocation from Campus was 50% of total; indirect costs were not charged **FY17 MSNRT College allocation from Campus was 70% of total; FY17 # of FTE is estimated at this time ***FY17 Indirect cost calculation per Grad Student FTE:

| Infrastructure (Police/ERM, C&C, Capital Renewal, IT): | \$1,103/FTE |
|--|-------------|
| Grad Student Support (Grad Division): | \$961/FTE |
| Student Support (Registrar, Health & Wellness, etc.): | \$249/FTE |
| Academic Research (VPIA, VCUA, Library): | \$1,488/FTE |
| | |

Total > \$3,801/FTE



6

ι,



| UNIVERSITY OF CALIFORNIA, RIVERSIDE | UCRIVERSIDE |
|---|---|
| Research & Economic Develops Gillian Wilson - Physics & Astronomy (Chair) Khaleel Abdulrazak - Psychology Mark Alber - Mathematics Emma Aronson - Plant Pathology & Microbiology Christopher Bardeen - Chemistry Mitch Boretz - BCOE Sean Cutler - Plant Cell Biology and Chemistry Erith Jaffe-Berg - Theatre, Film and Digital Production Eamonn Keogh - Computer Science & Engineering David Kisailus - Chemical & Environmental Engineering Cengiz Ozkan - Mechanical Engineering Karthick Ramakrishnan - Political Science David Reznick - Evolution, Ecology & Organismal Biology Ming Lee Tang - Chemistry Elaine Wong - School of Business | ment Advisory Board Ex Officio Michael Pazzani - Vice Chancellor for Research & Economic Development Rebeccah Goldware - Chief of Staff, Research & Economic Development Brianna Cates - Executive Services Officer, Research & Economic Development Israel Fletes - Director of Educational Technology and Computing Services, Computing & Communications |

| w (Biannual) Provosťs " | Teaming" Mini-Grant Progra |
|---|--|
| · (Diaman) : 1010010 | ······································ |
| • Early-stage germination of i collaborations | deas, networking and building of |
| | ew interdisciplinary collaborations lving important and challenging |
| state, national or foundation | ollaborative seed grant funding or ation extramural grant funding |
| • Likely deadline December 1 | |
| • Up to 3K for workshops, syn | nposia, visitor costs, refreshments |
| | |

2













5









Notes from the CAP Discussion with Deans 10/23/17

CAP chair - Vyjayanthi Chari (math)

CAP vice-chair - Rajiv Gupta (CSE)*

Members: Adam Lukaszewski (botany), Sherryl Vint (English), Rick Smith (SOBA), Carl Cranor (philosophy), Howard Judelson (plant path), Walter Clark (music), Mary Droser (earth science), David Pion-Berlin (political science)*

*absent from meeting

Research:

Research outcomes a priority – not the money. Make sure letters (as well as mentoring of faculty) are clear on this point. The call focuses on output from grants, not just the awarding of the grants. Prestigious grants can be used as another means of peer recognition.

Highlight that \$ are to achieve work and to support scholarship. If \$ are necessary for research in the field, note it in the letter. If work is sustainable without money (or funds at lower levels), note this in the letter. Research without funding in Engineering is not typical, as \$ are required for GSR support.

Patents are a translation of research – address it if the research output is lower due to the focus on this translation

Teaching:

Teaching – address this more. Address any difficulties. "Perceived" improvement must be justified in file with actual content (i.e. documenting programs to improve teaching, evaluation by a committee of department faculty, etc.)

Independent evaluation of teaching is encouraged. CAP suggests constructive evaluations (not just positive statements). They also suggest the department has a committee that does the evaluation of *all* faculty to provide letters for merit/promotion files

LSOE letters – must address teaching as a priority. External letters can't just discuss the person's research career. Department letters and external letters must document teaching skills (this is a different tone of letter from a standard faculty)

Service:

Service is a priority for CAP. Department letters need more than a list, rather a documentation of the actual contributions on committees and in activities

Commitment to diversity is a major consideration in service. It also can also be highlighted in the teaching component of the file (i.e. additional time spent mentoring)

Non-peer reviewed "public intellectual" work (i.e. blogging) counts towards service.

Miscellaneous:

File processing time has lengthened due to a considerable number of mistakes in files. Common mistakes include department letters mentioning things not in the file or outside the review period. If ______ the information is not in the file or self-statement, the department should not comment on it. Be aware that every time a # is included in the letter it has to be double-checked at the DO and AP levels (considerable staff time). Anything mentioned in self-statement must be backed up by content in the efile, otherwise it has to be returned for editing.

"Honeymoon" merits are only for assistant professors 2 or 3. Someone doing more than this minimal level for a honeymoon is not reason for an acceleration or off-scale.

Accelerations – there must be a driver for the acceleration (a grant is not this driver). All three areas must be excellent with one particular driver for the acceleration (e.g. becoming a fellow or a similar award)

Focus letters on CONTEXT (why work is important and how it is important), not on lists or counts

To support and retain *strong* step 4 professors, encourage/consider a career review to step 6 rather than waiting 6 years to get there

NEW-Aprofessor 5 and 9 are now eligible for additional off-scale since they can't get a merit at these barrier steps

Quinquennial review – expectations are good teaching and service, as well as "evidence of effort towards scholarship" (i.e. mentoring students, invited talks or involvement in professional society)

| | | | Wartan and Kosemary Bourns College of Engineering | i One of Jblic if its size | | | pens many access to a | urces to help bbjectives. Mized set of y s needs. | act: | Partnerships | |
|------------------------------------|---|--|--|---|---|--|--------------------------|---|---------------------------------------|---|--|
| 129 Faculty members | 600+ Areas of research | \$313K Average research expenditure per faculty member | 90 * Fellows of Professional Societies | U.S. News and World Report: One of the top three ranked public engineering colleges of its size in the country | <mark>8th CWTS Leiden Ranking</mark> | 100 % of departments ranked by Shanghai Ranking | | broad range of people and resources to help you achieve your corporation's objectives. Together, we will create a customized set of benefits that meet your company's needs. | For more information, please contact: | Mike Allen Associate Director Corporate Strategic Partnerships Tel: (951) 827-6569 www.engr.ucr.edu/industry/ | |
| Gordon Bourns, CEO of Bourns, Inc. | "Placeholder copy until we receive final quote. I am pleased to partner with a world-class | public university system like the University of California and the innovative faculty and researchers at UCR's Bourns College of | Engineering. Together, we are working to develop new solutions that ensure a clean energy future for our planet and its people." | Gordon Bourns, CEO of Bourns, Inc. | | | | | Winston Global Energy (Gold Member) | "I am pleased to partner with a world-class public university system like the University of California and the innovative faculty and | researchers at UCR's Bourns College of Engineering. Together, we are working to develop new solutions that ensure a clean energy future for our planet and its people." |

Winston Chung, Founder & President, Winston Global Energy



Marlan and Rosemary Bourns College of Engineering

| PARTNERSHIP | Combine any of the following to meet your | company's Corporate objectives: | STEM outreach sponsor: Rourne Engineering Dav | Attracting 1000+ K-12 students | MESA Robotics Competition – Attracting 500+ middle school and high school students | Code Camp 4 All – Attracting 120+ high school students from underserved communities | Student professional club sponsor | Corporate-named undergraduate student scholarships | Senior design project sponsor | Team of 3-4 students on an industry-defined project | Department lecture sponsor | Career Center Alliance | BCOE Career Day | Corporate-named graduate student fellowships | Corporate-named faculty office | Various corporate naming opportunities (e.g., labs, conference rooms, outdoor areas, etc.) | Research support | Sponsored research | Dean's Innovation Fund for areas of | | |
|---|---|---|---|---|---|--|---|---|---|---|--|--|-----------------|---|---|---|-------------------------------------|---|-------------------------------------|---|--|
| NALENT | Access outstanding students for internships and employment | Sponsor a senior design project | Collaborate with internationally renowned faculty | Sponsor a graduate student | Establish research collaborations | | Gain insider access to the latest research and innovation | Consult with UCR's intellectual property experts in technology commercialization | Access technologies available for licensing | Work with our Office of Research to negotiate research agreements | Receive access to facilities and sophisticated equipment | Partner with the university on joint proposals | 0 | | Network with facuity, students, and technology leaders | Serve as a guest speaker | Interact with student organizations | Support STEM outreach and diversity Present vour company to faculty and students | Attend seminars and lectures | Create named company scholarships and fellowships | |
| The Marlan and Rosemary Bourns College of Engineering is a unique place and we pride | ourselves on the innovative research and education that has resulted in us becoming one of the top three public engineering colleges of our | size in the country. Our corporate partners have | played a significant form our success and we are grateful for having such amazing collaborators. | As part of the 10-campus University of California | system, we re large enough to conduct internationally-recognized research using our world-class facilities, yet small enough to | coulaborate with our partners on projects that can meet their specific needs. We are also one of the most diverse universities in the world, offering partners fresh new perspectives on solutions to | some of a company's most significant challenges. | I invite you to meet with our faculty and tour our facilities to learn more about becoming | collaborators and look forward to meeting and | working with you on the next generation of engineering advancements. | Sharon Walker Interim Dean | | | | | | | | | | |

÷

Homecoming-Join Us!

Saturday, November 18, 2017

Noon Back to Class:

Science and Superheroes with Assistant Professor Suveen Mathaudhu

1 p.m. BCOE Alumni & Parents Open House

3 p.m. 50 Years at UCR: Celebrating Professor Tom Payne

Register Now: homecoming.ucr.edu

Congratulations

Outstanding Young Alumnus Award Recipient

Charles Cai, Ph.D. '15 (Chemical and Environmental Engineering), CTO MG Fuels; Assistant Research Engineer & Assistant Adjunct Professor, Bourns College of Engineering Center for Environmental Research & Technology.

UCRIVERSITY OF CALIFORNIA College of Engineering

University of California, Riverside The Marlan and Rosemary Bourns

College of Engineering 446 Winston Chung Hall 900 University Avenue Riverside, CA 92521 Non-Profit org. U.S. Postage Paid Ucr

INNOVATION, INNOVATION, INNOVATION.... Innovation is what we do! www.engr.ucr.edu/innovation

