Welcome to AIMS²(HSI-STEM Grant) Meeting # 60

1 PM – 3 PM
JD 1568
Jan 25, 2018

Research Symposium Photo Courtesy Armando Tellez
AGENDA

- Welcome and Information Items – Ramesh
  - Updates from USDE
- Project Assessment and Evaluation – Nathan
- Project Activities – Plans for spring 2018 from CC Project Partners
- Moorpark College – Scarlet Relle
  - CSUN Seminar series
- LA Pierce College – Elizabeth Cheung and Margaret Wessling
- Glendale Community College – Chris Herwerth, Scott Rubke, Marisela Canela
- College of the Canyons – Amy Foote
Information Items

- FPR on 2011 grant submitted December 20th. Under review and pending approval.
- Program Officer change- Dr. Stacey Slijepcevic in lieu of Terrance Hilton
- Year 1 APR – Awaiting guidance on format and submission protocol
- Preview of redesigned web site (beta mode)
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  – Status of sign-ups for spring 2018 research projects

Items for Discussion

• Review of cohort performance data from fall 17 – Ramesh, Bob and Stacey
• Changes to requirements for program participants
• Follow up strategies with cohort students
• Tutors for fall 17


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## Fall 2017 Cohort Performance Data

<table>
<thead>
<tr>
<th>Units completed in Fall 17</th>
<th>Number of successful students (GPA &gt; 2 in fall 2017)</th>
<th>Range of GPA's of successful students</th>
<th>Units expected to completed in 17-18</th>
<th>Number of students who did not meet requirements (GPA &lt; 2 in fall 17)</th>
<th>Remarks/Exceptions (GPA's of individual students)</th>
</tr>
</thead>
<tbody>
<tr>
<td>14 - 18</td>
<td>20</td>
<td>2.21 - 3.82</td>
<td>Over 30</td>
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<tr>
<td>12 - 16</td>
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<td>2.00 - 3.62</td>
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<td>12 - 15</td>
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<td>2.26 - 4.00</td>
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<td>11 - 13</td>
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<td>2.06 - 3.37</td>
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<td>10 - 14</td>
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<td>2.28 - 3.63</td>
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<tr>
<td>9 - 15</td>
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<td>10 - 14</td>
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<td>2.31 - 3.56</td>
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<td>8 - 13</td>
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<td>1.5, 1.71</td>
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<tr>
<td>14</td>
<td>1</td>
<td>3.08</td>
<td>Not enrolled for S18</td>
<td>Passed Math 102 F17</td>
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<tr>
<td>9</td>
<td>1</td>
<td>2.76</td>
<td>Not enrolled for S18</td>
<td>All GE in F 17. Failed Math 150 B</td>
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</table>

Total: 70 students
**AGENDA**

- Student Performance (units passed) in fall 17

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• Student Performance (GPA) in fall 17
  • 70 Students earned an Overall GPA of 2.0 or higher
    – # of students who earned a perfect 4.0 – 2
    – # of students who earned a GPA of 3.5 – 3.98 – 12
    – # of students who earned a GPA of 3.0 or higher – 21
    – # of students who earned a GPA of 2.5 – 2.99 – 23
    – # of students who earned a GPA of 2.0 – 2.49 – 12
  • 20 Students earned an Overall GPA lower than 2.0
    – # of students with a GPA of 1.5 – 1.99 – 9
    – # of freshmen – 5 (25 %)
    – # of transfer students – 15 (75 % !!) – We need to work on this!
Good News! All faculty mentors submitted their mid-year progress reports.
And the not so good news.. Faculty mentors turned in less than 50 % of the student progress reports (42 to date)
AGENDA

• Updates on research projects w/CSUN students – CSUN Faculty Mentors*
  – Status of sign-ups for spring 2018 research projects

Items for Discussion

• Review of cohort performance data from fall 17 – Ramesh, Bob and Stacey

• Changes to requirements for program participants
• Follow up strategies with cohort students
• Tutors for fall 17
Changes to requirements for program participants

- Reduce number of units that students need to successfully complete in an academic year from 30 to 24 (students will still be able to use the summer semester to meet academic year total units)
- Student needs to earn an overall GPA of 2.0 (C average) and pass all courses*

*Passing Grades in individual courses may vary depending on the course
**Changes to requirements for program participants**

- Subject to meeting the revised requirements and the other requirements in the contract students are now eligible to receive a bi-annual textbook award**.

** Award # 1 ($ 500) : Based on fall semester performance. Awarded prior to the beginning of the spring semester.**

- Students who have successfully completed 12 units will receive the entire $ 500 award
- Students who have successfully completed 9-11 units will receive a partial award of $ 250 (and eligible to receive the remainder upon completion of academic year requirements)

** Award # 2 ($ 500): Based on meeting Academic Year requirements – Either at the end of the spring semester or summer semester as appropriate**
Undergraduate Research Participation

- Based on fall 17 student performance we had a total of 42 students who successfully completed 12 units or more with a GPA > 2.0
- Three students successfully completed 11 units each with GPA’s of 3.29, 2.73, and 2.31 respectively
- Propose to extend invitations to these 45 students to participate in research projects (which would be approximately 50 % of the students in the cohort)
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• Follow up strategies with cohort students

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## Follow up Strategies

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<td>W</td>
</tr>
</tbody>
</table>

- All students received personal email from Stacey to meet with Cindy Cruz (graduation/retention specialist) to plan future coursework
- Respective faculty mentors copied on email (and copies of fall 17 performance distributed at 01/25/18 meeting)
- Very important – Please monitor these students closely in spring 18 and support them the best you can.
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## Tutors for fall 2017

<table>
<thead>
<tr>
<th>Last Name</th>
<th>First Name</th>
<th>Position</th>
<th>Department</th>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>Espindola</td>
<td>Andrew Bryan</td>
<td>Tutor</td>
<td>Computer Engineering</td>
<td>ECE240; COMP110; ECE320</td>
</tr>
<tr>
<td>Zhang</td>
<td>Dawei</td>
<td>Tutor</td>
<td>Computer Science</td>
<td>COMP110; COMP122; COMP182; COMP282</td>
</tr>
<tr>
<td>Clark</td>
<td>Adam</td>
<td>Tutor</td>
<td>Computer Science</td>
<td>Grad Student</td>
</tr>
<tr>
<td>Bautista</td>
<td>Anthony</td>
<td>Tutor</td>
<td>Mechanical Engineering</td>
<td>CE240; ME209</td>
</tr>
<tr>
<td>Orlenko</td>
<td>Andrew</td>
<td>Tutor</td>
<td>Electrical Engineering</td>
<td>ECE240</td>
</tr>
<tr>
<td>Chuang</td>
<td>Alan (Kelly)</td>
<td>Tutor</td>
<td>Mechanical Engineering</td>
<td>ME370; CE340; CE240; ECE240; MSE227; ME209</td>
</tr>
<tr>
<td>Kim</td>
<td>Damju (Kelly)</td>
<td>Tutor</td>
<td>Computer Science</td>
<td>COMP282</td>
</tr>
<tr>
<td>Bochen</td>
<td>Robin</td>
<td>Tutor</td>
<td>Electrical Engineering</td>
<td>ECE350; ECE320; ECE340</td>
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<tr>
<td>Nolasco</td>
<td>Aaron</td>
<td>Tutor</td>
<td>Electrical Engineering</td>
<td>PHYS220A; English Tutor at Valley</td>
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<tr>
<td>Abdalkarim</td>
<td>Hareth</td>
<td>Tutor</td>
<td>Electrical Engineering</td>
<td>ECE240; ECE320; ECE350</td>
</tr>
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</table>

- Based on fall 17 student performance we could use additional tutors in the following CECS courses:
  - CE 240, CE 340, AM 410, ECE 340, ECE 350
  - Math : Math 150 A/B
AGENDA

- Planning for summer 2018 workshops – Ramesh, Jimmy
- Meetings Calendar for Spring 2018
- Adjourn
**2017 AIMS²**

Attract Inspire Mentor and Support Students Skills Workshop

*9:00 AM to 3:00 PM June 19th - June 22nd*

*9:00 AM to 1:00 PM June 23rd 2017*

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### Schedule of Events

<table>
<thead>
<tr>
<th>Monday</th>
<th>Tuesday</th>
<th>Wednesday</th>
<th>Thursday All Day</th>
<th>Friday</th>
</tr>
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<tbody>
<tr>
<td>June 19th</td>
<td>June 20th</td>
<td>June 21st</td>
<td></td>
<td>June 23rd</td>
</tr>
<tr>
<td>9:00 AM - 9:30 AM Welcome Remarks</td>
<td>9:00 AM - 12:00 PM Campus Tour (including library and engineering labs)</td>
<td>9:00 AM - 10:30 AM Team Building Skills</td>
<td></td>
<td>9:00 AM - 10:15 AM Final Competition</td>
</tr>
<tr>
<td>9:30 AM - 10:30 AM Ice Breakers</td>
<td>10:30 AM - 10:45 AM Break</td>
<td>10:30 AM - 10:45 AM Break</td>
<td></td>
<td>10:15 AM - 10:30 AM Students present their projects</td>
</tr>
<tr>
<td>10:30 AM - 10:45 AM Break</td>
<td>12:00 PM - 1:00 PM Lunch</td>
<td>10:45 AM - 12:00 PM Systems Thinking</td>
<td></td>
<td>10:30 AM - 10:45 AM Break</td>
</tr>
<tr>
<td>10:45 AM - 12:15 PM What is Engineering? Careers in Engineering</td>
<td>1:00 PM - 1:30 PM Soft Skills</td>
<td>12:00 PM - 1:00 PM Lunch</td>
<td></td>
<td>10:45 AM - 11:00 AM Competition Results to be declared</td>
</tr>
<tr>
<td>12:15 PM - 1:15 PM Lunch</td>
<td>1:30 - 2:15 PM Research Skills and Class Preparation Methods</td>
<td>1:00 PM - 2:30 PM Ethics in Engineering</td>
<td></td>
<td>11:00 AM - 11:30 AM How to stay connected during your first year</td>
</tr>
<tr>
<td>1:15 PM - 2:00 PM Growth Mindset</td>
<td>2:15 - 3:00 PM Resources at CSUN for Student Success</td>
<td>2:30 PM - 3:00 PM Introduction to Competition Projects</td>
<td></td>
<td>11:30 AM - 12:15 PM Focus Groups from Students</td>
</tr>
<tr>
<td>2:00 PM - 3:00 PM Focus Groups for Assessment of AIMS² Skills Workshop</td>
<td></td>
<td></td>
<td></td>
<td>12:15 PM - 1:00 PM Closing Remarks, Lunch and Giveaways</td>
</tr>
</tbody>
</table>
Monday Workshop

- "The check-in process this morning was smooth."
  - 84% (n=32)
  - 16%

- "The introduction to engineering session was useful in understanding the various offerings in the College of Engineering & computer science."
  - 66% (n=25)
  - 34% (n=13)

- "The icebreaker session helped me get to know the students around me."
  - 68% (n=26)
  - 18% (n=7)
  - 8%

- "The growth mindset session was helpful."
  - 55% (n=21)
  - 42% (n=16)

Strongly Agree  Agree  Neutral  Disagree

Download data
Tuesday Workshop

1. The library tour was useful and made me aware of the resources I could use at the library.
   - Strongly Agree: 85% (n=28)
   - Agree: 76% (n=25)
   - Neutral: 9% (n=8)
   - Strongly Disagree: 6% (n=2)

2. The engineering lab tour was useful and showed me what different research the faculty work on.
   - Strongly Agree: 42% (n=14)
   - Agree: 36% (n=12)
   - Neutral: 24% (n=8)
   - Strongly Disagree: 9% (n=3)

3. After the soft skills workshop, I understood which soft skills I need as an engineer.
   - Strongly Agree: 35% (n=11)
   - Agree: 29% (n=9)
   - Neutral: 21% (n=7)
   - Strongly Disagree: 6% (n=2)

4. The research skills and class preparation methods presentation was helpful to prepare for my 1st year at CSUN.
   - Strongly Agree: 85% (n=28)
   - Agree: 32% (n=10)
   - Neutral: 21% (n=7)
   - Strongly Disagree: 6% (n=2)

5. The Resources at CSUN for student presentations made me aware of the resources I need to succeed at CSUN.
   - Strongly Agree: 85% (n=28)
   - Agree: 32% (n=10)
   - Neutral: 21% (n=7)
   - Strongly Disagree: 6% (n=2)
Wednesday Workshop

1. "The team building skills workshop showed me the importance of teams in engineering."
   - 80% (n=28) Strongly Agree

2. "The systems thinking workshop made me understand why it is necessary for me as an engineer to think from a systems perspective."
   - 66% (n=23) Agree

3. "The Ethics in Engineering workshop made me realize the importance of ethics to my profession."
   - 83% (n=29) Strongly Agree
Plans for summer 2018 workshops

- Two separate workshops
  - Freshman Workshop (2.5 days)
  - Transfer Workshop (1.5 days)

- Freshman Workshop structure
  - Drop JPL tour. Focus on highly rated activities from fall 17

- Transfer Workshop structure
  - Some common elements from Freshman workshop
  - Need focused session w/faculty to help w/course selection and academic planning
AGENDA

- Planning for summer 2018 workshops – Ramesh, Jimmy
- Meetings Calendar for Spring 2018
- Adjourn
Meeting Calendar for Spring 2018

✓ Jan 25, 2018
• Feb 22, 2018
• March 15, 2018
• April 12, 2018
• May 10, 2018
• June 07*, 2018

Monthly meetings above are scheduled from 1 PM – 3 PM in JD 1568.
* Annual External Advisory Committee Luncheon and Meeting: 12 Noon – 3 PM (Location TBA)