

STEM ADVISORY COMMITTEE MEETING

March 19, 2010 12:00-1:30 AD 206

Present: Jeffrey Burke, Jeremy Clark, Diana Gill, Jesus Gutierrez, Lan Hao, Dana Hester, Albert Loaiza, Ricardo Lopez, Jim McClain, Esmeralda Medrano, Lucinda Over, Eric Rabitoy, Sylvia Smythe, Eleanor Tsark

General News –Smythe:

- We are IDUES eligible.
- Of the Year 2 allocation amount of \$2,562,244.00, we have spent \$780,734.00. We will be requesting a one year extension.

Spring Updates/Summer Plans:

- Science Updates: - Eleanor Tsark
 - Overview of Supplemental Instruction for fall 2009:
 - Total # of students who attended Science SI so far – 491.
 - SI evaluations were given, which showed that SI significantly improved student success rates and mean final course grades for all courses targeted with the exception of CHEM 111 (low attendance likely reason).
 - Supplemental Instruction, Spring 2010
 - We've expanded SI sessions.
 - Most sessions are well attended, although Physics 110 is struggling with low attendance.
 - STEM Center/Fall 2009
 - Over 5000 student visits, from 811 different students.
 - STEM Center/Winter 2010
 - Total # student visits: Week #1 - 125, #2 – 169, #3 – 107, #4 – 184, #5 – 163, #6 – 168
 - Total # students (unduplicated): Week #1 – 99, #2 – 148, #3 – 95, #4 – 171, #5 – 149, #6 - 141
 - STEM Center/Spring 2010
 - Total # student visits: Week #1 – 31, #2 – 543, #3 – 589, #4 – 649
 - SI session in math & science, and science tutors.
 - K-12 Outreach: Fall 2009, Winter 2010, Spring 2010
 - There have been at least one Outreach activity every month since October 2009.
- Math Updates: – Jeffrey Burke
 - Math Success Center
 - Data collected verified a positive correlation between the number of hours a student spent in the Math Success Center and the final grade received by a student.
 - The Math Success Center is getting a lot of use. We now have a Lab Supervisor staffed in the Center, to answer any questions the tutors have, and for their accountability.
 - Math Clinics
 - Feedback has been excellent.
 - Attendance has been low.
 - We're publicizing them – the news is getting out there.

- Clinics are focused on targeting what is currently being covered in Math 130, 150 and 165.
 - Perhaps Robin should add these Clinics to the Early Alert Form.
- STEM Speaker
 - 25 students attended the Actuary speaker, Mr. Liu.
 - Mr. Daneshbod, Mathematician, will be speaking on April 6.
- Math 29 Lab
 - A hard copy and digital instructors' manual is available for instructors that includes answers to lab materials.
- Off Campus Tutoring
 - We're offering tutoring on 5 campuses in the spring.
- On-Line Tutoring
 - Software is needed for Access and Accommodation compliance.
 - On-line tutoring will be piloted on March 21 from 6:00-8:00pm for two of Professor Tussy's Math 150 classes.
 - ❖ Eric said it must be closed captioned. CCCConfer will need to be used for that capability.
- STEM Days
 - There will be 9 schools participating on 3 different days in May and June.
- Science & University Updates: - Dana Hester
 - ULV
 - We have Science Squad participants in the Bio Major Labs.
 - They are going to host the first part of our enzyme lab in April on our campus, and then we're taking all 48 students to ULV to do their CSI lab experience, along with a tour.
 - There is potential for summer research positions at ULV.
 - UCR
 - UCR is hosting a Scientific Teaching workshop for 5-10 Citrus students and faculty.
 - Dana has been communicating with UCR for potential summer research positions.
 - Citrus
 - Dana has been attending various campus meetings, to work out a way for undeclared students to specify areas of interest that are job related, so that we can then outreach to them and get them in to see counselors early in their education career.
 - We hope to send a pool of roughly 10 students for the CSUF faculty to choose from for the CSUF summer research program.
- Math & HS: - Esmeralda Medrano
 - Esmeralda is working on the PAGE Program, and anticipates more students participating this year.
- Math SI: - Jesus Gutierrez
 - We have nearly doubled the staff and tripled the course offerings for Supplemental Instruction.
 - Math 130 SI has been struggling with low enrollment.
 - ❖ Jesus feels Mentoring may be a better fit for Math 130.
 - We're conducting an SI survey using BlackBoard.

- Video: - Eric Rabito
 - We're working on filming a math/science promotional video that will be used for high school outreach, to be placed on our STEM Website, and on DVD's to give out.
 - We're trying to keep it at 5 minutes.
 - We will be focusing on the STEM Center, and focusing on math & science opportunities we provide for students.
 - It will be hosted by a Citrus student.
 - There will be one in English and one in Spanish.
 - ❖ Lucinda suggested there be something on the video, that encourages students to get their GE done before they begin their major prep.
- Counseling: - Albert Loaiza
 - They are seeing an increase of students.
 - They are taking students to UCR on April 23 for a UCR STEM Transfer Day; for a tour, meet faculty, ask questions, etc.
 - There will be a Careers in Engineering workshop on May 13, where students can talk with universities and professionals in the engineering field.
 - There will be 2 STEM Career Decision Making Workshops in March and April, where students can take a STEM Career Inventory, and explore careers in STEM majors.
 - They have begun inputting the information collected on the STEM Program Contact Cards.
 - All of the above opportunities are being covered in class visits.
- Assessment: - Lan Hao
 - Our STEM Internal Evaluation Committee meets monthly.
 - We've completed a Math Success Center and a STEM Center survey.
 - We asked students about the usage and the satisfaction of the two centers. The results are on the IR Website, and will be added to the STEM Website.
 - We have contacted CalPASS, who has done a project for us, which shows the relationship between the high school math classes success rates vs. the community college 1st attempt of a math class success rates.
- Website: - Jeremy Clark
 - We need to add K-12 Outreach (including the PAGE Program), Off-Campus Tutoring, and STEM Days.
 - We will add a link for On-Line Tutoring, once it is up and running.
 - We need to add Careers in Engineering, UCR, & CSUF information.
- Transfer Coach: - Ricardo Lopez
 - Ricardo helps students put together an academic plan, talk about the transfer process, STEM majors, undergraduate research, career advisement, STEM success coaching, and refers them to the STEM Counselors.
 - Ricardo is putting together a STEM data base. He would like to send them a monthly newsletter on STEM information and events.

- Ricardo keeps in contact with counseling and career & transfer, to keep up to date on Citrus policies and events.
- We would like to do a STEM Advisement/Counseling satisfaction survey, to see if we are meeting the students' needs.

The meeting was adjourned at 1:30. The next meeting will be Friday, May 7, 12:00-1:30, in the Fishbowl.