

STEM Steering Committee Meeting Notes

10/24/08

Attendees:

Jim Baxter, Bill DeGraffenreid, Antoinette Herrera, Mary McCarthy-Hintz, Daniel Orey, Beth Strasser, Mridula Udayagiri, Jennifer Bale, David Earwicker, Terry Manns, Nicole Munoz-Murillo, Scott Gordon, Tom Landerholm, Sharon Puricelli

Opened Meeting - Scott Gordon

Discussed STEM structure diagram to be posted on website

1) STEM Initiative Subcommittee Activities

Subcommittee Updates:

Retention & Success - Tom Landerholm (see pg 2 of Mid-Semester Update Handout)

- Continuing work on report of retention programs campus-wide
- Subcommittee meeting this afternoon
- Continuing work on models of holistic retention programs (collecting data on what other Universities are doing)
- PASS proposal submission in September focuses on retention efforts at Sac State - could become model

Infrastructure - David Earwicker (see pg 3 of Mid-Semester Update Handout)

- Mandate of committee modified to focus on physical infrastructure
- Incubator Hub project moving forward
 - will create additional program support
- USGS equipment from Menlo Park to be relocated on campus - NSM will make space students/faculty will share usage

Recruitment/Pathways - Tom Landerholm (see pg 1 of Mid-Semester Update Handout)

- MOU Twin Rivers USD Mentor Program (Environmental Science & Computer Tech.)
- Biophotonics Program UCD - Grant for pilot program awarded
 - provides substantial stipends for Sac State students.

Math/Science Teacher Preparation - Daniel Orey (see pg 3 of Mid-Semester Update Handout)

- 1st draft of STEMed website completed - link on STEM website home page

Marketing - Scott Gordon (see pg 4 of Mid-Semester Update Handout)

- DVD 1st cut completed (4 departments: Physics, Computer Sci, Teacher Ed, Nursing)

General discussion on the role and objectives of subcommittees:

- Core members self identify Chair and/or main contact person for committee
- Recruit members (not necessarily STEM Steering committee members)
- Set Agenda (use charges as suggestions)
- Research programs/issues as required
- Bring recommendations back to Steering Committee

Proposed Change in subcommittee charge

- Infrastructure subcommittee remove curriculum/focus on physical needs
- Math/Science Teacher Preparation - Change to STEM Education Subcommittee
 - add curriculum component
- Some issues as to overlap of departmental curriculum issues, committee with table issue until next meeting

- Website posting for subcommittees on-going communication suggested
- WebCT suggested as more effective communication tool
 - Retention committee using WebCT -will prepare a presentation for next meeting

2) Center for STEM Excellence Report

Expanding Your Horizons - Sharon Puricelli

- Event ran smoothly - great positive feedback from all involved
- Media coverage and KVIE doing FOCUS segment
- Debrief meeting for next year with suggestion for changes to be held next week
- **BIG Thanks** to University Enterprises Project Activity Grant and our Sac State STEM Faculty for supporting the event.
- EYH Website with all information will stay live all year - linked on STEM website

Scholars Lecture

- Tuesday, Nov. 18 – "A Fish Story" by Tim Horner
Tuesday, Feb. 24 – Jan Nolta, UCD Stem Cell Program
Tuesday, April 28 – Daniel Orey, Ethnomathematics

Inventory

- Computer Science Senior Project Team has been selected and on-line to begin data base project
- First meeting with Team and STEM leadership group held 10/08/08
- All information collected to date has been entered into Excel spread sheet

Fellows

- Steering committee will review guidelines from spring '08 and make recommendations for changes and/or adjustments at next meeting
- Funding for release time comes from Academic Affairs not STEM Budget
- Information is subject to public access
- Committee approves Abstracts for public access and suggests reviews, lessons learned, and next steps on submissions should be shared via WebCT
- David Earwicker provided hand outs on '07-'08 STEM Faculty grant proposal submissions and awards.

3) Initiative Representation

Committee agrees there is need to formalize Steering Committee Structure

How to accomplish this task?

- Total representation is too large and unrealistic
- Proportional representatives from the 5 STEM colleges is option
- Need for Communication of Steering Committee agenda
- Need for accountability of Steering Committee members
- Scott Gordon will write up options for next meeting

Meeting adjourned