

Physics and Engineering Department Meeting
October 31, 2014

Present: Dan, Karen, Zahir, Martin, Malcolm

1. Announcements:

White board pens:

Martin Reiterated the idea is that each instructor receives one set of refillable pens and each room receives 10 new expo markers for one semester. If the set for an instructor runs out or becomes unusable, then that set will be replaced.

Students are encouraged to purchase their own white board pens.

Trent will, Purchase one rolling white board order two external drives.

2. Faculty Association Report

No report

3. Faculty Senate Report

Martin discussed meeting with Dan Smith.

4. Equivalencies?

No report

5. Overview of Schedule

a. Spring Schedule

Errors in 2nd download. All discussed block scheduling shortcomings.

Need to hire 4 adjuncts

Discussion of different adjunct movements

6. AST in engineering, block scheduling and learning communities

Documents reviewed: "CCC Major Area of Emphasis: ENGINEERING" with unit comparisons. "Descriptor ENG 110" and others.

Math course units are a little bloated to "improve student success"

Physics 4A, 4B ought to stay at 5 and 5 because that articulates to UC.

Engineering 7 in pipeline. Space available?

Engineering is not bloated.

Mt. SAC units **at least** 75, which is not 60 or even 70.

Suggested put together a 70 unit AST and cut 5 units. Martin suggests five ways to cut units. Department feels the best way is to address math.

Also, "Plan for Engineering Area Courses" discussed. Adjustments to these courses addressed. Moving "properties of EM waves" from 4C to 4B for example.

Introduction to Programming concepts

Department approves Martin's AST program

Learning communities. We can reserve sections to those in a "learning community" but what about backfires?

(study groups)

Department agrees to investigate Learning Communities.

7. Consider Alternative textbooks?

Physics 1 "how things work" and Sapling Learning online homework is discussed.

8. 4A placement exam

Karen expressed initial concerns of extra alternate routes to 4A.

Martin will generate an instrument.

9. SPS/Robotics club Events

Next week, Northridge. LEGO

Team will be at Mt. SAC football game

10. Adjunct Evals

Sidi's students are not succeeding in subsequent courses

11. Curriculum Update

Moving forward

12. Parity

Physics 1 will have parity in spring, Physical Science 3 still waiting.
The department re-approved submission of PHSC 3 for Parity

13. Questions for the first Chairs meeting.

Department wants to draw attention to the fact that the 99 courses are successful

14. Anything else?

Adjuncts need more attention, this should go in PIE

15. Schedule for our next meeting

2:30 14th of November