Minutes of the Engineering Undergraduate Studies Committee (EUSC)

January 20, 2016

Present, EUSC: Masten (ENE), Genik (AES), Lee (CHEMS), Liao (BAE), Owen (CSE), Rothwell (ECE), Brereton (ME), Buch (DE), Frahm (Student), Miles (Student)

Absent, EUSC: Mahapatra (ECE, UCC)

Also present: Idema (DE), Pease (DE), D. Caballero (PHY), S. Tessmer (PHY), P. Irving (PHY), Hinds (DE), Walton (DE)

1. **Agenda**: APPROVED

2. Draft Minutes of November 4, 2015 were APPROVED.

3. Danny Caballero, Stuart Tessmer and Paul Irving were present to inform the EUSC of reforms to PHY 183 / Section 003 and 004. SS16 is the fourth semester they have used this structure. Currently each section is open to 40 students, this will be increased to 100 beginning FS16. These sections use a problem based learning structure where students work in groups of four during class to solve complex physics problems. The groups are facilitated by physics faculty and learning assistants. There is not a standard lecture. Students receive feedback on their performance weekly. Numerical and conceptual post class homework is assigned each week. Students take 3 exams and a final.

4. W. Liao, C. Owen and L. Frahm will serve on the Student Service Award Subcommittee.

5. A. Idema, A. Lee, L. Frahm and N. Miles will serve on the Commencement Speaker Subcommittee.

6. L. Genik, E. Rothwell and N. Miles will serve on the Green Apple Subcommittee.

7. The proposal for Engineering Calculus (MTH 133) was discussed. It was agreed that each of the departments in the College of Engineering will provide problem sets that relates calculus principles with engineering applications. These questions will be sent over to Math for consideration.

Meeting was adjourned at 4:55 pm

Respectfully submitted,

Neeraj Buch