The calculus committee met on December 4, 2004 at 1:30 PM in CH3190.

Members present: Ray Collings, Gloria Hitchcock, Kouok Law, Alice Pierce, Barrett Walls, Robby Williams

Members absent: Jessica Craig, Ming Her (at a function on Decatur Campus). Margie Lewkowicz, Larry Powell

The committee approved the minutes of October 1, 2004.

The committee will consider the Calculus III assessment results after the book search is completed.

The committee will design the new Calculus II credit–by-exam after the book search is completed.

There was discussion about whether to send forward one, two or three texts to the academic group. The committee chose to send forward two books; one will be the third edition of Stewart, *Calculus: Concepts and Contexts*. (combined version) Committee members, who do not have it, will email Jessica for copies of the Stewart combined Concepts text.

The committee rejected books by Thomas, Hughes-Hallet et al., and all other calculus texts by Stewart. Committee members presently have copies of these texts.

Of texts not currently in the hands of committee members, the committee will consider only new editions of books by Anton, Smith and Larson. Jessica will contact the publishers of these texts to notify them of the following requirement. If committee members do not have a copy of the text by January 10, the book will not be considered for adoption.

The committee reviewed the Teaching Guides and the Common Course outlines for revisions. Alice will make the following changes and post the revised documents on the web.

1. In the Calculus II teaching guide, add polar graphs to the catalog description so that it reads... differential equations, polar graphs, and power...

2. In the Calculus III common course outline, under entry level competencies add

   a. the expected educational result #6 from the Calculus I cco. Graph and use parametric equations.
   b. add the expected educational result #5 from the Calculus II cco.
Apply polar representations including graphs, derivatives, and areas.

3. In the Calculus III common course outline, rewrite entry level competency #9 to read
Differentiate and integrate algebraic, trigonometric, exponential, logarithmic, and inverse trigonometric functions. Differentiate implicit functions.

The next meeting will be 1:30 PM on January 14, 2005 in room CH 3190.

The meeting adjourned at 3:00 PM.

Respectfully submitted,
Gloria Hitchcock
Committee Co-Chair