TO: Don Betz, Chancellor
116 North Hall
University of Wisconsin-River Falls

FROM: Wes Chapin, Chair
Faculty Senate
University of Wisconsin-River Falls

RE: UW-RF Faculty Senate Motion 2006-2007/96

At the April 18, 2007 meeting of the University of Wisconsin-River Falls Faculty Senate, motion 2006-2007/96 was made, seconded, and passed. This motion is forwarded for your action:

A motion from the General Education Committee to change Goal Three of General Education
(see attached)

Motion 2006-2007/96 passed on April 18, 2007. This motion will take effect immediately.

Approved

Disapproved

Don Betz, Chancellor
### GOAL THREE (3/23/2007 version)

**Apply scientific principles to the natural world.** Students will demonstrate knowledge of the principles and methods of quantitative and qualitative scientific reasoning.

Students will be able to:
1. apply mathematical skills in quantitative, qualitative, and analytical problem solving
2. demonstrate a knowledge of natural science,
3. observe, collect, analyze, and interpret data to solve problems using the scientific method.

To fulfill this goal, students are required to earn 9 credits, with 3 credits under the M designation, 3 credits under the SL designation, and 3 credits under either the S or SL designation. The courses taken under the S or SL designations must be from different disciplinary prefixes (e.g., BIOL, CHEM, GEOL).

### Mathematics (M)

**Criterion:**
Courses designated M:
- emphasize mathematical skills in quantitative, qualitative, and analytical problem solving.

**Outcome:**
Students will be able to:
- demonstrate and apply mathematical skills to quantitative, qualitative, and analytical problem solving.

### Sciences (S)

**Criterion:**
Courses designated S:
- emphasize a knowledge of the natural sciences.

**Outcome:**
Students will be able to:
- demonstrate a knowledge of theoretical principles and scientific methodology for explaining and predicting phenomena in the natural world.

### Scientific Investigation (SL)

**Criteria:**
Courses designated SL:
- emphasize a knowledge of the natural sciences,
- must include the equivalent of at least one semester credit hour of laboratory experience aimed at interpreting scientific hypotheses,
- will evaluate the reliability and meaning of data and information.

**Outcomes:**
Students will be able to:
- demonstrate knowledge of theoretical principles and scientific methodology for explaining and predicting phenomena in the natural world.
- test hypotheses about the natural world.