

To: Anthony Blose, Provost

From: Grady Price Blount, Dean, College of Sciences

Date: 15 April 2011

### **Report on 2010-2011 Student Learning Outcomes Assessment Plans for the College of Sciences**

#### **Agriculture**

**B.S. Animal Science** – Reviewers made no suggestions for changes. Reviewers indicated that learning outcomes are clear and that there is solid response to results of assessment. One reviewer did indicate that use of “home grown” assessments may result in difficulty extrapolating results. No major revisions are planned for 2010-2011.

**B.S. Animal Business** - Reviewers made no suggestions for changes. Reviewers indicated that learning outcomes are clear and that there is solid response to results of assessment. One reviewer did indicate that use of “home grown” assessments may result in difficulty extrapolating results. No major revisions are planned for 2010-2011.

**B.S. Range/Wildlife/Natural Resources Management** - Reviewers made no suggestions for changes. Reviewers indicated that learning outcomes are clear and that there is solid response to results of assessment. One reviewer did indicate that use of “home grown” assessments may result in difficulty extrapolating results. No major revisions are planned for 2010-2011.

**M.S. Animal Science** - Reviewers made no suggestions for changes. Reviewers indicated that learning outcomes are clear and that there is solid response to results of assessment. One reviewer did indicate that use of “home grown” assessments may result in difficulty extrapolating results. No major revisions are planned for 2010-2011.

#### **Biology**

**B.S. Biology, Ecology and Evolutionary Biology, Life Science Certification** – Reviewers made no suggestions for changes. Reviewers indicated that objectives, expected results, results, and use of results were clearly stated. One reviewer did comment that use of embedded assessments may result in difficulty extrapolating results. No major revisions are planned for 2010-2011.

**B.S. Clinical Laboratory Science** - Reviewers made no suggestions for changes. Reviewers indicated that objectives, expected results, results, and use of results were clearly stated. One reviewer did comment that use of embedded assessments may result in difficulty extrapolating results. No major revisions are planned for 2010-2011.

**M.S. in Biology, M.S. in Biology with Emphasis in Science Education** - Reviewers made no suggestions for changes. Reviewers indicated that objectives, expected results, results, and use of results were clearly stated. One reviewer did comment that use of embedded assessments may result in difficulty extrapolating results. No major revisions are planned for 2010-2011.

#### **Chemistry and Biochemistry**

**B.S. in Chemistry, B.S. in Biochemistry, minor in Chemistry** – One reviewer suggested that outcomes be stated in more “observable behavior” terms. Reviewer also suggested that response to results be phrased

in future tense. Reviewers indicated that expected results and results are clearly presented. Assessment plans for 2010-2011 have been revised to address these comments.

### **Computer Science**

**B.S. in Computer Science, B.S. in Computer Science with Secondary Certification** – Reviewers suggested no changes. Reviewers complimented the assessment methods and noted that outcomes, expected results, results, and use of results were clearly stated. No major revisions are planned for 2010-2011.

### **Mathematics**

**B.S. in Mathematics** – Reviewers indicated that assessment methods, expected results, and results are clearly stated. Reviewers indicated that use of results to improve programs is especially strong. Reviewer did indicate that learning objectives are difficult to evaluate. Plans for 2010-2011 have been revised so that learning objectives are more clearly stated in terms of what students will know or be able to do. No other revisions are planned for 2010-2011.

**B.S. in Mathematics** - Reviewers indicated that assessment methods, expected results, and results are clearly stated. Reviewers indicated that use of results to improve programs is especially strong. Reviewer did indicate that learning objectives are difficult to evaluate. Plans for 2010-2011 have been revised so that learning objectives are more clearly stated in terms of what students will know or be able to do. No other revisions are planned for 2010-2011.

**Developmental Mathematics** - Reviewers indicated that assessment methods, expected results, and results are clearly stated. Reviewers indicated that use of results to improve programs is especially strong. Reviewer did indicate that learning objectives are difficult to evaluate. Plans for 2010-2011 have been revised so that learning objectives are more clearly stated in terms of what students will know or be able to do. No other revisions are planned for 2010-2011.

### **Physics**

**B.S. in Physics** – Reviewers indicated that assessment methods, expected results, and results are clearly stated. Use of results to improve programs is strong. Reviewers indicated that learning outcomes could be rephrased to more clearly state what students will know or be able to do. Plans for 2010-2011 have been revised to more clearly state learning outcomes. No other revisions are planned for 2010-2022.