



Texas Southern University  
Assessment Plan 2010-2013

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## **Unit Assessment Plan**

College of Science and Technology

Bachelor of Science in Biology

## Introduction

### **Texas Southern University's Mission**

Texas Southern University is a comprehensive metropolitan university. Building on its legacy as a historically black institution, the university provides academic and research programs that address critical urban issues and prepare an ethnically diverse student population to become a force for positive change in a global society.

*In order to achieve this mission, Texas Southern University provides:*

- quality instruction in a culture of innovative teaching and learning
- basic and applied research and scholarship that is responsive to community issues
- opportunities for public service that benefit the community and the world.

### **Texas Southern University's Vision**

Texas Southern University will become one of the nation's pre-eminent comprehensive metropolitan universities. We will be recognized by the excellence of our programs, the quality of our instruction, our innovative research, and our desire to be a contributing partner to our community, state, nation, and world.

#### ***Accreditation Standards***

Accreditation by Southern Association of Colleges and Schools Commission on Colleges (SACS) Commission on Colleges signifies that the institution: (1) has a mission appropriate to higher education, (2) has resources, programs, and services sufficient to accomplish and sustain that mission, and (3) maintains clearly specified educational objectives that are consistent with its mission and appropriate to the degrees it offers, and that indicate whether it is successful in achieving its stated objectives.

*Source: The Principles of Accreditation: Foundations for Quality Enhancement, 5<sup>th</sup> edition*

**Goal 1 Assessment Plan 2010-11 to 2012-13****1 Goal Description**

Goal 1

To make students to better informed about biological phenomena and life processes.

**2 SLO Student Learning Outcomes/Objectives**

SLO 1.1

Graduates can demonstrate knowledge of the following concepts: plant biology, cell biology, biochemistry, developmental biology, genetics, microbiology

**3 Metric**

SLO 1.1

Number of students scoring 70% or higher on Exit examination. Exit exam will cover disciplines listed in SLO1.2. Student performance on Individual disciplines will also be measured.

**4 Target 2010-11**

SLO 1.1

50 percent of students scoring higher than 70% on the exit exam.

**5 Findings 2010-11**

SLO 1.1

44.4 percent of students scored 70% or better on the Exit examination.

**6 Action Plan 2010-11**

Based on 2010-11 Findings

1. Continued input of annual assessment findings.
2. Assess the performance in the individual concept areas and make appropriate changes to the specific course(s) that supports the particular concept.

**7 Target 2011-12**

SLO 1.1

55 percent of students have an overall score of 70% on the exit exam.

**8 Findings 2011-12**

SLO 1.1

59.8 Percent of students scored 70% or better on the Exit examination

**9 Action Plan 2011-12**

1. Continued input of annual assessment findings.

2. Assess the performance in the individual concept areas and make appropriate changes to the specific course(s) that supports the particular concept.

**10 Target 2012-13**

SLO 1.1

60 percent of students scoring higher than 70% on the exit exam.

**11 Findings 2012-13**

SLO 1.1

45.5 percent of students scored 70% or better on the Exit examination.

**12 Action Plan 2012-13**

Assess the performance in the individual concept areas and make appropriate changes to the specific course(s) that supports the particular concept.

**13 Additional Reference Documents**

Biology Exit Examination data summary.

[Copy of Graduate Qualifying Exam-Fall 2011-Assessment](#) [XLS 29 KB 10/2/15]

[Copy of Graduate Qualifying Exam-Spring 2012-Assessment](#) [XLS 20 KB 10/2/15]

## **Goal 2 Assessment Plan 2010-11 to 2012-13**

### **1 Goal Description**

Goal 2

To prepare undergraduate students to pursue graduate education, medical, biomedical, and other related careers.

### **2 SLO Student Learning Outcomes/Objectives**

SLO 2.1

Graduates can demonstrate an increased knowledge of biological principles and an understanding of scientific methodology.

### **3 Metric**

SLO 2.1

Number of students scoring 70% or higher on Exit examination.

### **4 Target 2010-11**

SLO 2.1

50 % of students scoring higher than 70% on the exit exam.

### **5 Findings 2010-11**

SLO 2.1

44.4 percent of students scored 70% or better on the Exit examination.

### **6 Action Plan 2010-11**

1. Continued input of annual assessment findings.
2. Develop Alumni Assessment Instrument to measure curriculum relevance to career goals.

### **7 Target 2011-12**

SLO 2.1

55 percent of students have an overall score of 70% on the exit exam

### **8 Findings 2011-12**

SLO 2.1

59.8 Percent of students scored 70% or better on the Exit examination

### **9 Action Plan 2011-12**

1. Continued input of annual assessment findings.

### **10 Target 2012-13**

SLO 2.1

60 % of students scoring higher than 70% on the exit exam.

### **11 Findings 2012-13**

SLO 2.1

45.5 percent of students scored 70% or better on the Exit examination.

### **12 Action Plan 2012-13**

Continued evaluation of annual assessment findings.

### **13 Additional Reference Documents**

Biology Exit Examination summary data.