



Texas Southern University  
Assessment Plan 2010-2013

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## **Unit Assessment Plan**

College of Science and Technology

Bachelor of Science in Industrial Technology Design

## 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 develop knowledge, understanding, and skills necessary in creating computer-aided designs.

### 2 SLO Student Learning Outcomes/Objectives

SLO 1.1

Students will demonstrate the ability to produce computer-aided designs relative to architecture, mechanical, electrical, piping, and solid-modeling.

### 3 Metric

In-class demonstrations

Assigned drawing projects

Written exams

### 4 Target 2010-11

Undergraduate students majoring in Design must earn a score of 75% or higher on assigned demonstrations, exams, and projects.

### 5 Findings 2010-11

The data indicated that 80% of students successfully demonstrated the ability to perform in-class demonstrations.

75% of students successfully completed all assigned drawing projects.

80% of students successfully passed all written exams.

### 6 Action Plan 2010-11

Based on 2010-11 Results:

Presentation styles will be evaluated and changes will be made where necessary.

Curricula content will be evaluated and relevant changes made.

### 7 Target 2011-12

Undergraduate students majoring in Design must earn a score of 75% or higher on assigned demonstrations, exams, and projects.

### 8 Findings 2011-12

The data indicated that 75% of students successfully demonstrated the ability to perform in-class demonstrations.

75% of students successfully completed all assigned drawing projects.

75% of students successfully passed all written exams.

### 9 Action Plan 2011-12

Review program Goals and SLOs

### 10 Target 2012-13

Undergraduate students majoring in Design must earn a score of 75% or higher on assigned demonstrations, exams, and projects.

### 11 Findings 2012-13

The data indicated that 80% of students successfully demonstrated the ability to perform in-class demonstrations.

32% of students successfully completed all assigned construction projects.

79% of students successfully passed all written exams.

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

Review program Goals and SLOs

## **13 Additional Reference Documents**

A summary list of student test scores.

[Indust Tech-Design-Assessment Fall 2012 - Spring 2013](#) [XLS 31 KB 10/2/15]

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

### **1 Goal Description**

Goal 2

To introduce students to the different modes of producing hardcopies of Engineering designs

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

SLO 2.1

Students will demonstrate the ability to operate printers and plotters.

### **3 Metric**

In-class demonstrations

Assigned drawing projects

Written exams

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

Undergraduate students majoring in Design must earn a score of 75% or higher on assigned demonstrations and projects.

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

The data indicated that 80% of students successfully demonstrated the ability to perform in-class demonstrations.

75% of students successfully completed all assigned drawing projects.

80% of students successfully passed all written exams.

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

Based on 2010-11 Results:

Computer-aided software and equipment will be upgraded where needed.

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

Undergraduate students majoring in Design must earn a score of 75% or higher on assigned demonstrations and projects.

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

The data indicated that 75% of students successfully demonstrated the ability to perform in-class demonstrations.

75% of students successfully completed all assigned drawing projects.

75% of students successfully passed all written exams.

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

Review program Goals and SLOs

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

Undergraduate students majoring in Design must earn a score of 75% or higher on assigned demonstrations and projects.

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

The data indicated that 44% of students successfully demonstrated the ability to perform in-class demonstrations.

50% of students successfully completed all assigned projects.

22% of students successfully passed all written exams.

**12 Action Plan 2012-13**

Review program Goals and SLOs

**13 Additional Reference Documents**

Summary of Exam Scores