



Texas Southern University
Assessment Plan 2010-2013

Unit Assessment Plan

College of Science and Technology

Master of Science in Transportation Planning &
Management

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, 5th edition

Goal 1 Assessment Plan 2010-11 to 2012-13

1 Goal Description

1. To provide students with the professional knowledge and skills in planning transportation system and developing policies for system management.

2 SLO Student Learning Outcomes/Objectives

1.1 Students will demonstrate a basic professional knowledge and skill of transportation planning and policy which includes cost-benefit analysis for the transportation projects, urban transportation planning process, travel demand forecasting, transportation policy and management, and public transit planning

1.2 Students will demonstrate the ability to develop creative solutions to complex transportation planning and policy within the context of socioeconomic and environment considerations

3 Metric

Metric 1.1

Comprehensive examination Questions 3, 4, 5, 8 and 9 results

Metric 1.2

Thesis defense and student's scholar publications,

4 Target 2010-11

Target 1.1

80% of all students taking the comprehensive exam shall earn a score of 70% or higher on the selected questions

Target 1.2

1 or more students will pass the defense of their thesis on the topic related to the transportation planning and policy per year with the rate of success of 90% or higher.

Students will publish at least 1 article

5 Findings 2010-11

Findings 1.1

Analysis indicated that more than 90% students took the comprehensive examination had earned following average scores for each question:

Q3: 77.5%

Q4: 100%

Q5 : 90.5%

Q8: 100%

Findings 1.2

2 student passed the thesis defense and the rate of success in defending their thesis was 100%.

2 articles were published.

6 Action Plan 2010-11

Action Plan 1.1

We will continue enhance the instruction of our programs by 1) improving the hardware and software conditions in the laboratories, and 2) updating the course contents to reflect the most recent practice, knowledge and technologies in the transportation field.

Action Plan 1.2

We will continue enhance the instruction of our programs by applying more research findings to provide students more research assistantship opportunities

7 Target 2011-12

Target 1.1

80% of all students taking the comprehensive exam shall earn a score of 70% or higher on the selected questions

Target 1.2

1 or more students will pass the defense of their thesis on the topic related to the transportation planning and policy per year with the rate of success of 90% or higher.

Students will publish at least 1 article

8 Findings 2011-12

Findings 1.1

Analysis indicated that more than 90% students took the comprehensive examination had earned following average scores for each question:

Q3: 100%

Q4: 100%

Q5 :100%

Q8: 100%

Q9: 100%

Q10:100%

Findings 1.2

4 students passed the thesis defense and the rate of success in defending their thesis was 100%

3 articles were published.

9 Action Plan 2011-12

Action Plan 1.1

We will continue enhance the instruction of our programs by 1) improving the hardware and software conditions in the laboratories, and 2) updating the course contents to reflect the most recent practice, knowledge and technologies in the transportation field.

Action Plan 1.2

We will continue enhance the instruction of our programs by applying more research findings to provide students more research assistantship opportunities

10 Target 2012-13

Target 1.1

80% of all students taking the comprehensive exam shall earn a score of 70% or higher on the selected questions

Target 1.2

1 or more students will pass the defense of their thesis on the topic related to the transportation planning and policy per year with the rate of success of 90% or higher.

Students will publish at least 1 article

11 Findings 2012-13

Findings 1.1

Analysis indicated that more than 90% students took the comprehensive examination had earned following average scores for each question:

Q3: 97%

Q4: 97%

Q5 : 93%
 Q8: 71%
 Q9: 93%
 Q10:80%

Findings 1.2

8 student passed the thesis defense and the rate of success in defending their thesis was 100%

18 articles were published.

12 Action Plan 2012-13

Action Plan 1.1

We will continue enhance the instruction of our programs by 1) improving the hardware and software conditions in the laboratories, and 2) updating the course contents to reflect the most recent practice, knowledge and technologies in the transportation field.

Action Plan 1.2

We will continue enhance the instruction of our programs by applying more research findings to provide students more research assistantship opportunities

13 Additional Reference Documents

The results of comprehensive examinations in Fall 2010, Summer 2010 and Spring 2011 for questions 3, 4, 5 8, and 9

Department records (student thesis, conference proceedings and TRB CD ROMs)

Lists of articles published

[comprehensive test results_Summar 2010-Fall 2012_no names](#) [XLSX 19 KB 10/2/15]

[comprehensive test results_Summar 2010-Springl 2013_no names_2013-08-16](#) [XLSX 22 KB 10/2/15]

[Student Learning Outcome 2013](#) [DOCX 14 KB 10/2/15]

[student pulication results_TMGT 2011-2013](#) [DOCX 20 KB 10/2/15]

[student pulication results_TMGT 2011-2013](#) [DOCX 20 KB 10/2/15]

[Students Award List 2013](#) [DOCX 14 KB 10/2/15]

[Thesis results_TMGT_August 2013](#) [DOC 50 KB 10/2/15]

[Thesis results_TMGT_Feburary 2013](#) [DOC 56 KB 10/2/15]

Goal 2 Assessment Plan 2010-11 to 2012-13

1 Goal Description

2. To provide the students with the professional knowledge and skills in functionally designing, operating and managing the transportation facilities and systems to satisfy the demands of both passenger and freight transportation services.

2 SLO Student Learning Outcomes/Objectives

2.1 Students will demonstrate basic professional knowledge and skills in transportation system design and operation, and technology implementation which includes use of transportation analysis tools, roadway design principles, basic concepts about highway traffic operations and transportation logistics.

2.2 Students will demonstrate ability to develop creative solutions to complex transportation system and technology -related problems in the context of socioeconomic and environment considerations multimodal transportation system

3 Metric

Metric 2.1

Comprehensive examination Questions 1,2,6 and 7 results

Metric 2.2

Thesis defense,

student's scholar publications, student academic awards

4 Target 2010-11

Target 2.1

80% of all students taking the comprehensive exam shall earn a score of 70% or higher on the selected questions

Target 2.2

1 or more students will pass the defense of the thesis on the topic related to the transportation system and technology per year with the rate of success of 90% or higher. Students will publish at least 2 articles.

5 Findings 2010-11

Findings 2.1

Analysis indicated that more than 90% students took the comprehensive examination had earned following average scores for each question:

Q1: 100.00%

Q2: 95.38%

Q6: 93.75%

Q7: 100.00%

Findings 2.2

3 students passed the thesis defense and the rate of success in defending their thesis was 100%

8 articles were published.

6 Action Plan 2010-11

Action Plan 2.1

Computer software packages for classes TMGT 815 have been updated to equip the students with the most up-to-date skills to meet the job market needs.

Action Plan 2.2

We will continue enhance the instruction of our programs by applying more research findings to provide students more research assistantship opportunities

7 Target 2011-12

Target 2.1

80% of all students taking the comprehensive exam shall earn a score of 70% or higher on the selected questions

Target 2.2

1 or more students will pass the defense of the thesis on the topic related to the transportation system and technology per year with the rate of success of 90% or higher. Students will publish at least 2 articles.

8 Findings 2011-12

Findings 2.1

Analysis indicated that more than 90% students took the comprehensive examination had earned following average scores for each question:

Q1: 99 %

Q2: 97%

Q6: 85%

Q7: 100%

Q10:100%

Findings 2.2

3 students passed the thesis defense and the rate of success in defending their thesis was 100%

10 articles were published.

9 Action Plan 2011-12**Action 2.1**

Computer software packages for classes TMGT 815 have been updated to equip the students with the most up-to-date skills to meet the job market needs.

Action 2.2

We will continue enhance the instruction of our programs by applying more research findings to provide students more research assistantship opportunities

10 Target 2012-13**Target 2.1**

80% of all students taking the comprehensive exam shall earn a score of 70% or higher on the selected questions

Target 2.2

1 or more students will pass the defense of the thesis on the topic related to the transportation system and technology per year with the rate of success of 90% or higher.

Students will publish at least 2 articles.

11 Findings 2012-13**Findings 2.1**

Analysis indicated that more than 90% students took the comprehensive examination had earned following average scores for each question:

Q1: 92%

Q2: 91%

Q6: 84%

Q7: 94%

Q10:80%

Findings 2.2

8 students passed the thesis defense and the rate of success in defending their thesis was 100%

18 articles were published.

12 Action Plan 2012-13**Action 2.1**

Computer software packages for classes TMGT 815 have been updated to equip the students with the most up-to-date skills to meet the job market needs.

Action 2.2

We will continue enhance the instruction of our programs by applying more research findings to provide students more research assistantship opportunities

13 Additional Reference Documents

The results of comprehensive examinations in Fall 2010, Summer 2010 and Spring 2011 for questions 1, 2, 6, and 7.

Department records (student thesis, conference proceedings and TRB CD ROMs)

Please see the attached lists for articles published