Assessment: Assessment Plan

TEXAS TECH UNIVERSITY
Office *of the* Provost
Office *of* Planning & Assessment™

Degree Program - ENG - Computer Engineering (BS)

CIP Code: 14.0901.00

Degree Program Coordinator: Stephen Bayne
Degree Program Coordinator Email: stephen.bayne@ttu.edu

Modality: Face-to-Face, Off Campus Face-to-Face

Student Learning Outcome: ABET Criterion 3.1

An ability to identify, formulate, and solve engineering problems by applying principles of engineering, science, and mathematics.

Outcome Status: Active
Outcome Type: Student Learning
Start Date: 08/23/2018

Assessment Methods

Course Level Assessment - Direct Assessment by evaluating assignments in course ECE 3302, Fundamental of Electrical Engineering (Active)
Criterion: 75% or better attainment **Schedule:** Long Semester Fall

Course Level Assessment - Direct Assessment by evaluating assignments in course ECE 3304, Discrete Time Signals & Systems (Active)
Criterion: 75% or better attainment **Schedule:** Long Semester Fall

Course Level Assessment - Direct Assessment by evaluating assignments in course ECE 3341, Electromagnetic Theory I (Active)
Criterion: 75% or better attainment **Schedule:** Long Semester Spring

Survey - Student - Senior Exit Survey (Active)
Criterion: 3.5 or higher on question querying this issue on exit survey

Student Learning Outcome: ABET Criterion 3.2

An ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions.

Outcome Status: Active
Outcome Type: Student Learning
Start Date: 08/23/2018

Assessment Methods

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Course Level Assessment - Direct Assessment by evaluating assignments in course ECE 3331, Project Laboratory I (Active)
Criterion: 75% or better attainment **Schedule:** Long Semester Fall

Course Level Assessment - Direct Assessment by evaluating assignments in course ECE 4333, Project Laboratory IV (Active)
Criterion: 75% or better attainment **Schedule:** Long Semester Spring

Survey - Student - Senior Exit Survey (Active)
Criterion: 3.5 or higher on question querying this issue on exit survey

Student Learning Outcome: ABET Criterion 3.3

An ability to communicate effectively with a range of audiences.

Outcome Status: Active
Outcome Type: Student Learning
Start Date: 08/23/2018

Assessment Methods

Course Level Assessment - Direct Assessment by evaluating assignments in course ECE 3331, Project Laboratory I (Active)
Criterion: 75% or better attainment **Schedule:** Long Semester Fall

Course Level Assessment - Direct Assessment by evaluating assignments in course ECE 4333, Project Laboratory IV (Active)
Criterion: 75% or better attainment **Schedule:** Long Semester Spring

Survey - Student - Senior Exit Survey (Active)
Criterion: 3.5 or higher on question querying this issue on exit survey

Student Learning Outcome: ABET Criterion 3.4

An ability to recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts.

Outcome Status: Active
Outcome Type: Student Learning
Start Date: 08/23/2018

Assessment Methods

Course Level Assessment - Direct Assessment by evaluating assignments in course ECE 4333, Project Laboratory IV (Active)
Criterion: 75% or better attainment **Schedule:** Long Semester Spring

Survey - Student - Senior Exit Survey (Active)
Criterion: 3.5 or higher on question querying this issue on exit survey

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Student Learning Outcome: ABET Criterion 3.5

An ability to function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives.

Outcome Status: Active
Outcome Type: Student Learning
Start Date: 08/23/2018

Assessment Methods

Course Level Assessment - Direct Assessment by evaluating assignments in course ECE 3331, Project Laboratory I (Active)
Criterion: 75% or better attainment **Schedule:** Long Semester Fall

Survey - Student - Senior Exit Survey (Active)
Criterion: 3.5 or higher on question querying this issue on exit survey

Student Learning Outcome: ABET Criterion 3.6

An ability to apply both analysis and synthesis in the engineering design process, resulting in designs that meet desired needs.

Outcome Status: Active
Outcome Type: Student Learning
Start Date: 08/23/2018

Assessment Methods

Course Level Assessment - Direct Assessment by evaluating assignments in course ECE 3331, Project Laboratory I (Active)
Criterion: 75% or better attainment **Schedule:** Long Semester Fall

Survey - Student - Senior Exit Survey (Active)
Criterion: 3.5 or higher on question querying this issue on exit survey

Student Learning Outcome: ABET Criterion 3.7

An ability to acquire and apply new knowledge as needed, using appropriate learning strategies.

Outcome Status: Active
Outcome Type: Student Learning
Start Date: 08/23/2018

Assessment Methods

Course Level Assessment - Direct Assessment by evaluating assignments in course ECE 1304, Intro to Electrical & Computer Engineering (Active)
Criterion: 75% or better attainment **Schedule:** Long Semester Fall

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Survey - Student - Senior Exit Survey (Active)

Criterion: 3.5 or higher on question querying this issue on exit survey