

# Assessment: Assessment Plan

## Degree Program - ENG - Environmental Engineering (BS/MEV)

**CIP Code:** 14.1401.00

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**Modality:** 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** - CE 3305, ENVE 5305 (Active)

**Criterion:** 4.0 or higher class attainment on 1-5 scale

**Survey - Student** - Senior Exit Survey (Active)

**Criterion:** 4.0 or higher on question querying this issue on exit survey

### Student Learning Outcome: ABET Criterion 3.2

An ability to apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors.

**Outcome Status:** Active

**Outcome Type:** Student Learning

**Start Date:** 08/23/2018

#### Assessment Methods

**Course Level Assessment** - CE 3372, ENVE 5305 (Active)

**Criterion:** 4.0 or higher class attainment on 1-5 scale

**Survey - Student** - Senior Exit Survey (Active)

**Criterion:** 4.0 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.

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**Outcome Status:** Active

**Outcome Type:** Student Learning

**Start Date:** 08/23/2018

## Assessment Methods

**Course Level Assessment** - CE 3372, ENVE 5306 (Active)

**Criterion:** 4.0 or higher class attainment on 1-5 scale

**Survey - Student** - Senior Exit Survey (Active)

**Criterion:** 4.0 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** - ENVE 1100, ENVE 5303 (Active)

**Criterion:** 4.0 or higher class attainment on 1-5 scale

**Survey - Student** - Senior Exit Survey (Active)

**Criterion:** 4.0 or higher on question querying this issue on exit survey

## 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** - CE 3354, ENVE 5306 (Active)

**Criterion:** 4.0 or higher class attainment on 1-5 scale

**Survey - Student** - Senior Exit Survey (Active)

**Criterion:** 4.0 or higher on question querying this issue on exit survey

## Student Learning Outcome: ABET Criterion 3.6

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

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conclusions.

**Outcome Status:** Active

**Outcome Type:** Student Learning

**Start Date:** 08/23/2018

## Assessment Methods

<b>Course Level Assessment</b> - ENVE 4107, ENVE 4191 (Active)
<b>Criterion:</b> 4.0 or higher class attainment on 1-5 scale

<b>Survey - Student</b> - Senior Exit Survey (Active)
<b>Criterion:</b> 4.0 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

<b>Course Level Assessment</b> - CE 3372, CE 5363 (Active)
<b>Criterion:</b> 4.0 or higher class attainment on 1-5 scale

<b>Survey - Student</b> - Senior Exit Survey (Active)
<b>Criterion:</b> 4.0 or higher on question querying this issue on exit survey