



Memorandum

To: The Faculty of the College of Engineering

From: Environmental and Ecological Engineering

Date: September 23, 2019

RE: Fast track EFD 24-20

Updating Learning Outcomes for EEE 29000

Reason: Because of the updated ABET outcomes the learning outcomes in EEE 29000 were updated to reflect this.

John W. Sutherland, Ph.D.
Professor and Fehsenfeld Family Head
Environmental and Ecological Engineering

TO: The Faculty of the College of Engineering
FROM: The Division of Environmental and Ecological Engineering
SUBJECT: Updated learning outcomes for EEE 29000

The Faculty of the Division of Environmental and Ecological Engineering has approved the updated learning outcomes for EEE 29000. This action is now submitted to the Engineering Faculty with a recommendation for approval.

EEE 29000: Introduction to Environmental and Ecological Engineering Seminar

Sem. 1, Lecture 1, Credits 1

Prerequisites: none

Current Course description:

Seminar lectures and discussions to introduce students to the program and aspects of professional planning within Environmental and Ecological Engineering. Topics include planning a course of study, internship, research, study abroad opportunities, career planning and placement skills, professional responsibility and ethics, and functioning as a professional.

Current learning outcomes:

1. Ability to communicate professionally during formal and informal interviews.
2. Understanding of how actions and/or inactions are perceived in professional settings.
3. Ability to identify and justify the curricular path at Purdue University.
4. Ability to plan a path to achieve career goals while utilizing the curricular and extra-curricular resources of EEE and Purdue University.

Proposed Course description:

Guest presenters, peer panelists, and small group discussions introduce students to the knowledge, skills, and abilities needed in order to exhibit the highest levels of professionalism & stewardship expected of an Environmental and Ecological Engineering graduate. Topics include planning a course of study; internship, research, study abroad opportunities; career planning and placement skills; professional responsibility and ethics; and functioning as a professional.

Proposed learning outcomes:

- a. communicate professionally in both formal and informal settings;
- b. create career documents (e.g., resumes, cover letters, LinkedIn Profiles) that demonstrate professionalism and critical thinking;
- c. understand how their actions and/or inactions are perceived in professional settings;
- d. identify and justify their curricular path at Purdue University; and
- e. identify a variety of curricular, extra-curricular, and professional opportunities that will best support the achievement of their career goals.

Reasons:

The old learning outcomes were misaligned with the new ABET 1-7 student outcomes. The proposed new learning outcomes do align with outcomes 1-7.

A handwritten signature in black ink that reads "John W. Sutherland". The signature is written in a cursive style with a large, looped initial "J".

John W. Sutherland, Professor and Fehsenfeld Family Head
Division of Environmental and Ecological Engineering