

**College of Engineering
Proposed Catalog Changes
Effective Summer 2019**

NUCLEAR ENGINEERING

1. Add the following courses:

NE 521 Nuclear Material Storage, Transportation and Disposal**3 credits**

Cross-listed with TM 521

There is a wide range of nuclear materials that are stored, transported and disposed of each day. The materials include medical radioisotopes, new fuel pellets, used fuel, and industrial radioisotopes. This course will cover the regulations that govern nuclear material storage, transportation and disposal, as well as the engineering requirements and practical aspects of handling these materials.

Prereq: Permission

Available via distance: Yes

Geographical availability: Idaho Falls, online

Rationale: This course will be part of an 18-credit academic certificate entitled Nuclear Technology Management. The goal is to have the certificate certified by the International Atomic Energy Agency (IAEA).

NE 522 Management of Nuclear Facilities**3 credits**

Cross-listed with TM 522

Nuclear facilities need a sustainable management system to make sure that matters of importance are not dealt with in isolation of other issues in the decision making process. Integrating all relevant issues, ranging from safety, security and safeguards to health and economic and environmental questions, leads to well-informed and balanced decisions. This course addresses from a practical point of view the safety and regulatory issues of operating and planned reactors in the U.S. and other countries.

Prereq: Permission

Available via distance: Yes

Geographical availability: Idaho Falls, online

Rationale: This course will be part of an 18-credit academic certificate entitled Nuclear Technology Management. The goal is to have the certificate certified by the International Atomic Energy Agency (IAEA).

TECHNOLOGY MANAGEMENT

1. Add the following courses:

TM 520 Leadership and Conflict Resolution in a Technological Environment**3 credits**

The course explores leadership and related conflict management issues; personal and collective ways in which interpersonal and organizational conflict from a leadership perspective can be managed; focuses on theoretical and practical analysis of principles and processes for the management of conflict in relationships. Through a leadership framework, the skills and techniques for the identification, prevention, and resolution of conflict in interpersonal and workplace relationships will be discussed.

Prereq: Permission

Available via distance: Yes

Geographical Area: Idaho Falls, online

Rationale: This course has already been offered as a special topics course in 2017 and it is requested to be added as a permanent course.

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Prereq: Permission

Available via distance: Yes

Geographical availability: Idaho Falls, online

Rationale: This course will be part of an 18-credit academic certificate entitled Nuclear Technology Management. The goal is to have the certificate certified by the International Atomic Energy Agency (IAEA).

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Prereq: Permission

Available via distance: Yes

Geographical availability: Idaho Falls, online

Rationale: This course will be part of an 18-credit academic certificate entitled Nuclear Technology Management. The goal is to have the certificate certified by the International Atomic Energy Agency (IAEA).