

Standards are Everywhere: an Information Literacy Approach to Standards Education

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Libraries and School of
Information Studies



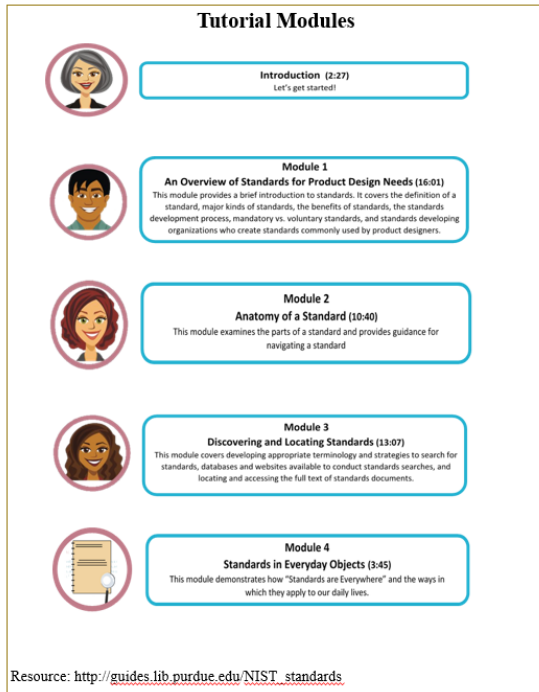
Polytechnic Institute

Program Objectives

- Develop an open-access, introductory-level, interactive online standards education program
- Provide micro-credentials for students to demonstrate standards competence to potential employers, etc.

Outputs

Tutorial Modules



- Introduction (2:27)**
Let's get started!
- Module 1**
An Overview of Standards for Product Design Needs (16:01)
This module provides a brief introduction to standards. It covers the definition of a standard, major kinds of standards, the benefits of standards, the standards development process, mandatory vs. voluntary standards, and standards-developing organizations who create standards commonly used by product designers.
- Module 2**
Anatomy of a Standard (10:40)
This module examines the parts of a standard and provides guidance for navigating a standard.
- Module 3**
Discovering and Locating Standards (13:07)
This module covers developing appropriate terminology and strategies to search for standards, databases and websites available to conduct standards searches, and locating and accessing the full text of standards documents.
- Module 4**
Standards in Everyday Objects (3:45)
This module demonstrates how "Standards are Everywhere" and the ways in which they apply to our daily lives.

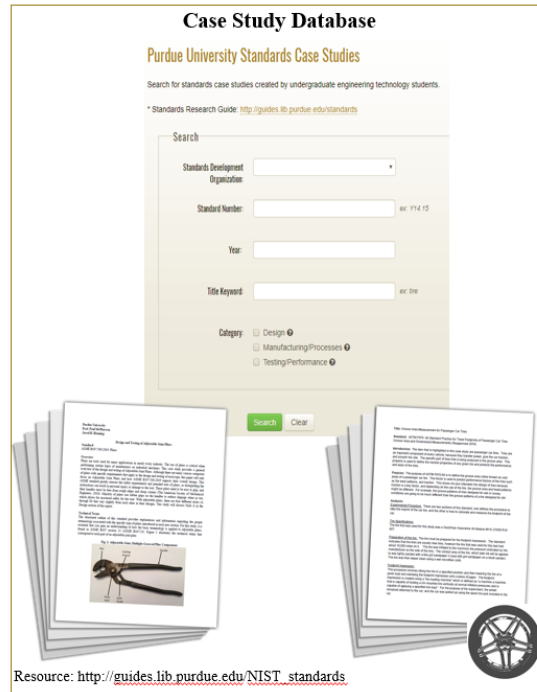
Resource: http://guides.lib.purdue.edu/NIST_standards

Case Study Database

Purdue University Standards Case Studies

Search for standards case studies created by undergraduate engineering technology students.

* Standards Research Guide: <http://guides.lib.purdue.edu/standards>



Search

Standards Development Organization:

Standard Number: SK: 774.15

Year:


Title Keyword: SK: 519

Category: Design Manufacturing/Processes Testing/Performance

Resource: http://guides.lib.purdue.edu/NIST_standards


Badges Platform

To demonstrate your expertise with standards, you can complete either or both of these badges.



Technical Standards Explorer

Standards Explorer is a Developing level badge, indicating mastery of basic principles of technical standards.



Technical Standards Integrator

Standards Integrator is a Proficient level badge, indicating the ability to apply information from technical standards to make decisions.

Resource: http://guides.lib.purdue.edu/NIST_standards

- **~700 undergraduate Purdue engineering technology students** reached since Fall 2017; **additional engineering faculty and students at the University of Buffalo** using the materials
- **3,044 Project website views** (https://guides.lib.purdue.edu/NIST_standards)
- **79 students** – submitted materials to earn badges; **25 badges** awarded to date
- Three workshops conducted on project materials: **79 attendees** from **35 institutions**