

Course Mentor: Instructor Resource Materials for Security Courses

Melissa Dark, *Purdue University*

Connie Justice *Indiana University-Purdue University Indianapolis
Commerce*

Linda Morales *Texas A&M University-*

Course Mentor is a methodology for developing instructional materials and associated teaching resources

Goals:

- Provide standards-based instructional resources
- Facilitate the teaching of information security and assurance
- Provide resources that emulate the mentoring by an experienced faculty member

Design Requirements:

- reusable materials
- easy to adopt
- modular
- clearly articulated learning objectives.
- learning objectives mapped to relevant standards
- student assessments to evaluate the achievement of learning outcomes
- assessment and resource materials clearly mapped to learning objectives.
- uniform template used for materials.
- rigorous evaluation

Supported by grants from the National Science Foundation

Evaluation Protocol

Development of the evaluation instrument(s) to for accuracy, fidelity, reusability, decomposability, and transferability.

Internal review of materials using the evaluation instrument(s).

Meet criteria?

External review of materials using the evaluation instrument(s)

Determine how to adapt

Disseminate

Adapt