

Capacity Building for Organizational Resilience: Standards-Based Curriculum on Risk, Disruption and Continuity

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Project Goals

Curricular Goal: Develop and embed a set of reusable and *customizable course modules on risk, disruption and continuity* at levels appropriate for undergraduate and graduate students.

Faculty Goal: Support cross-disciplinary faculty expertise development in risk, disruption, and continuity and related standards, by sharing our processes for development and our content across two academic institutions, as well as externally

Educational Effectiveness Goal: Ensure the effectiveness of the course modules via a cohesive and proven educational structure

Dissemination Goal: Disseminate our results via published papers, conference presentations and a website

Project Approach

Multi-Disciplinary, Standards-Based Learning Modules

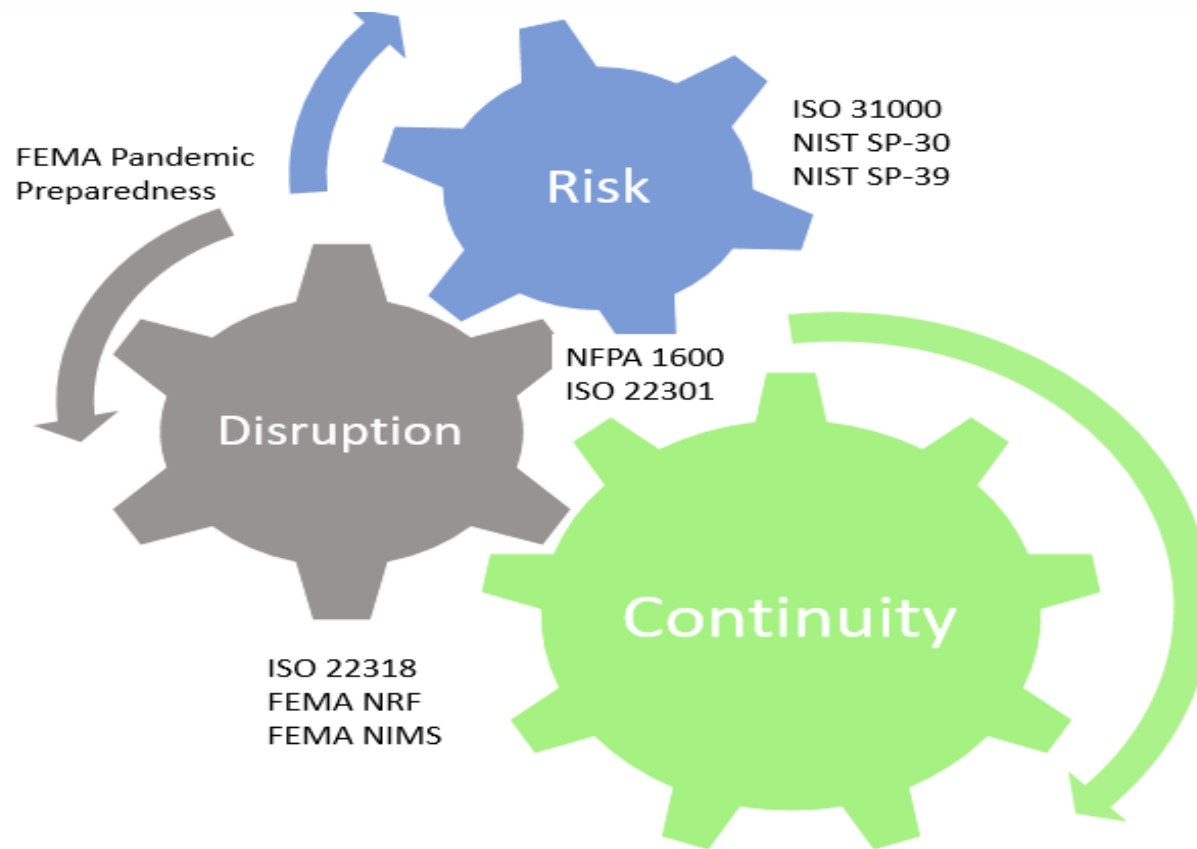


Figure 1: Key Standards in Risk, Disruption and Continuity Domains

Project Approach – Course Integration

Theme Relevance for Existing Courses		Themes in Risk, Disruption & Continuity Standards							
		Leadership & Strategy	Critical Operations/ Infrastructure	Business Impact Analysis	Risk Assessment & Reduction	Crisis Communications	Training, Testing and Tabletops	Supply Chain	Disaster/ Emergency Resources
RIT ESHS 720	EHS Management	✓	✓	✓	✓			✓	
RIT ESHS 740	EHS System Design		✓		✓	✓	✓	✓	
RIT TCOM 327	EHS Professional Communication	✓				✓			✓
RIT ESHS 460	Accident Causation and Prevention	✓		✓	✓		✓		
RIT CONM 650	Principles of Construction Leadership & Management	✓	✓					✓	✓
FLCC TECH 116	Introduction to Careers in High-Tech Ecosystems	✓		✓	✓			✓	
FLCC TECH 231	Smart Systems Technologies	✓	✓		✓		✓	✓	✓
FLCC TECH 234	Cyberphysical Automation II	✓	✓	✓	✓	✓	✓	✓	✓

Project Deliverables and Outcomes

- **Curricular Modules – multidisciplinary, standards-based**
 - RISK
 - DISRUPTION
 - CONTINUITY
- **Modules include**
 - Curricular content in ~ 8 themes/elements
 - Tools, guidance, and resources for faculty
- **Sphere of influence:**
 - Students in CET
 - Students in FLCC TECH
 - Students and faculty in other programs and institutions

Dissemination

- **Internal**

- Targeted courses in EHSM, CONM, ICT
- Shared with RIT programs in Colleges of Computing and Information Science, Engineering, Engineering Technology, and Business

- **External**

- Validation institutions – SUNY Brockport, Syracuse U.
- NIST final summary paper
- NIST workshops
- Academic or professional journals
- ANSI Standards Learn portal

Questions?



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