

Spokane Falls Community College
COURSE LEARNING OUTCOMES AND OUTLINE

Prefix and Course Number
Course Title

CYBR 350
Risk Management

Last Modified: Fall 2017

Course Learning Outcomes

By the end of this course, a student should be able to:

- Identify technical assets
- Analyze threats to technical assets
- Formulate a threat likeliness reduction strategy
- Design a threat impact reduction plan
- Identify methods to mitigate risks
- Prepare a business continuity plan
- Prepare a disaster recovery plan

Course Outline

1. Assets
 - 1.1 Seven Domains of Information Technology
 - 1.2 Data
 - 1.2.1 Confidentiality
 - 1.2.2 Integrity
 - 1.2.3 Availability
 - 1.2.4 Possession
 - 1.2.5 Authenticity
 - 1.2.6 Utility
 - 1.3 Business functions and processes
2. Threats
 - 2.1 Categories of Threats
 - 2.1.1 Threat Sources
 - 2.1.2 Threat Impact
 - 2.2 Vulnerabilities
 - 2.3 Exploits
 - 2.4 Threat Agents
3. Identifying Risk
 - 3.1 Calculating Likelihood of Occurrence
 - 3.2 Calculating the Cost of an Occurrence
 - 3.3 Threat Matrix
4. Risk Mitigation
 - 4.1 Risk Reduction
 - 4.2 Transference
 - 4.3 Removal
 - 4.4 Acceptance