ContinuingEducation GPRC

CONTINUING EDUCATION

COURSE OUTLINE – Application, Data, and Host Security Scenarios

INSTRUCTOR:	N/A	**PHONE:**	780-539-2975
OFFICE:	M105	**E-MAIL:**	ce@gprc.ab.ca

PREREQUISITE(S): Although not required, having some experience or working knowledge in IT concepts is helpful in taking this course.

REQUIRED TEXT/RESOURCE MATERIALS:

Course materials are included.

CALENDAR DESCRIPTION:

When you download an app, or access a database, you want to trust that the software engineer who developed the app had an eye toward security. This course covers the security of applications, data, and hosts in information systems. It provides a comprehensive examination of software development and change management. This course also features a number of fictional scenarios based on real-world application, data, and host security.

CONTACT HOURS: 5 hours

CEUs: 0.5

PDUs: 5

DELIVERY MODE: Online self-paced

TRANSFERABILITY: N/A

GRADING CRITERIA:

Upon successful completion of the course, you will receive a Certificate of Completion.

EVALUATIONS: Learners must achieve an average test score of at least 70% to meet the minimum successful completion requirement and qualify to receive IACET CEUs.

The following list outlines the PDUs you will earn for completing this course, based on the certification you have.

Designation	Technical	Leadership	Strategic/Business	TOTAL
PMP®/PgMP®	2.5	1.5	1	5
PMI-RMP®	2.5	1.5	1	5
PMI-SP®	0	1.5	1	2.5
PMI-ACP®	2.5	1.5	1	5
PfMP®	0	1.5	1	2.5
PMI-PBA®	0	1.5	1	2.5

STUDENT RESPONSIBILITIES: Completion of any practice lessons, quizzes, assignments, or tests.

COURSE SCHEDULE/TENTATIVE TIMELINE:
Dates vary (refer to website for current availability).

LEARNING OUTCOMES:
Upon successful completion of this course, learners will be able to:

- Discuss the role of security in software development
- Explain the software development life cycle and compare its eight stages
- Understand what the operating system is and how it works
- Describe different application and operating environments
- Discuss the role of databases and the information security challenges they raise
- Understand the various vectors for attack
- Explain the objectives of Trusted Recovery and the concept of system hardening
- Recognize the need for physical security and the varying means of achieving it
- Apply security concepts to real-world scenarios highlighting the need for application, data, and host security