

Collin College - Continuing Education

COURSE SYLLABUS

COURSE INFORMATION

Course Number: CYBR 7320

Course Title: Hacking and Penetration Testing

Course Description: This course provides preparation for the CompTIA PenTest+ exam.

Suggested Course Prerequisite(s): CompTIA Security+ or equivalent experience.

Course Resources:

Required:

(Create CompTIA store account for student discount prices: <https://store.comptia.org/user/signup>)

The Official CompTIA PenTest+ Student Guide (Exam PT0-002), ISBN: 978-1-64274-373-9

<https://store.comptia.org/the-official-comptia-pentest-student-guide-exam-pt0-002-/p/PEN-002-SPBK-21-C>

CompTIA CertMaster Labs for PenTest+ (PT0-002) - Student Access Key

<https://store.comptia.org/comptia-certmaster-labs-for-pentest-pt0-002-student-access-key/p/PEN-002-CMSL-21-C>

Additional Resources (Optional)

<https://mile2.com/>

<https://www.offensive-security.com/>

<https://tryhackme.com/path/outline/pentestplus>

Student Learning Outcomes:

Demonstrate preparedness for CompTIA PenTest+ exam

Lesson Plan – by week or session:

Planning and Scoping Penetration Tests

Conducting Passive Reconnaissance

Performing Non-Technical Tests

Conducting Active Reconnaissance

Analyzing Vulnerabilities

Penetrating Networks

Exploiting Host-Based Vulnerabilities

Testing Applications

Completing Post-Exploit Tasks Analyzing and Reporting Pen Test Results

Course Sessions:

Listed are guidelines to indicate all topics that will be covered during your course. Do not plan your personal calendar based on these sessions. Your instructor will give you a calendar for your class that will indicate specific topics, assignments, and days.

Method of Evaluation:

Unless otherwise stated, course completion is evaluated on the basis of attendance. Students must be in attendance 90% of the class time in order to be considered a successful completer of the course.

Students must be in attendance 90% of each course in a certificate series for successful completion and to earn a certificate as specified.

Students must complete all courses (core and no. of elective courses needed) to complete a certificate series within two years from start date of the first course taken.

Refund Policy:

Please refer to www.collin.edu/ce/inforegistrar.html for our refund policy. No refunds after the start time of the first class.

Americans with Disabilities Act:

Collin College will adhere to all applicable federal, state and local laws, regulations and guidelines with respect to providing reasonable accommodations as required to afford equal opportunity. It is the student's responsibility to contact the ACCESS office, SCC-D140 or 972.881.5898 (V/TTD: 972.881.5950) to arrange for appropriate

accommodations. See the current Collin Student Handbook for additional information.