



RUTGERS-CAMDEN School of Business

Intro to Syllabi

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Term: Spring 2026

Mode of delivery: *online – asynchronous*

Professor: Mr. Bryon Singh

Office Phone: (516) 531-3535

E-mail: bryon.singh@rutgers.edu

Office Hours: TBD

Key Spring 2026 Dates :

Spring 2026 classes begin:	Tuesday, January 20 th
Last day to add a class:	Thursday, January 29 th
Spring 2026 Recess	Saturday, March 14 th – Sunday, March 22 nd
Last day to withdraw with a “W”	Monday, March 23 rd (subject to change)
Last day of classes	Monday, May 4 th
Reading Days (no exams)	Tuesday, May 5 th and Wed. May 6 th
Final Exam period	Thursday, May 7 th – Wed. May 13 th

Course Description

This course is designed to immerse students in the critical aspects of information and cybersecurity, providing a comprehensive foundation in network, cloud, endpoint, and mobile security. As emerging threats continue to evolve, students will explore and understand the strategies and tools essential for safeguarding digital infrastructure and information. This course culminates in the opportunity for students to pursue the Check Point Certified Security Administrator (CCSA) certification, offered by Check Point Software Technologies, equipping them with recognized and industry-leading credentials in cybersecurity administration.

Course Learning Objectives

Some of the skills I hope you will learn throughout the course include:

- 1. Network Security Expertise: Examine and critique existing security policies to enhance and maintain network security.*
- 2. Access Management: Evaluate and refine multi-user access protocols for organizational LANs.*
- 3. Monitoring and Analysis: Investigate internet activities for suspicious behavior and dissect various security attacks for better understanding.*

4. *Security Gateway Mastery: Analyze and perfect the setup, configuration, and management processes of Security Gateway and Management Server.*
5. *Policy Management Skills: Appraise and optimize techniques for managing Security Policies effectively.*
6. *Issue Resolution Proficiency: Analyze network performance regularly to identify and resolve issues efficiently.*
7. *Backup and Redundancy Strategies: Assess and structure data backup and system redundancy strategies for Checkpoint environments.*

School of Business-Camden Program Learning Goals

Rutgers School of Business-Camden Program Learning Goals

Critical Thinking and Analytical Decision Making

Students will be able to critically interpret and synthesize information and data to solve business problems.

Ethical Reasoning

Students will realize that organizations and their actions affect different stakeholders; they will demonstrate the ability to identify and weigh the ethical implications of these actions.

Technology Fluency and IT Literacy

Students will demonstrate conceptual knowledge and practical application of information technology.

Course Materials

Required Textbook: Check Point Certified Security Administrator R81.20 (PDF) (1st Ed.), Check Point Software Technologies LTD. ISBN: 9858000004068. **eBook copies are provided. Will provide you the code and download instructions on the first day of class, this eBook is proprietary so only currently enrolled students can access.**

Required Lab Simulation: Hands-on access to Checkpoint software and simulated lab environments.

Other: Narrated lectures, readings, and other materials for this course are available on the Canvas site.

COMMUNICATION and USE OF CANVAS

Rutgers Email:

All class communication will be via your Rutgers e-mail, discussion forums, and other tools in Canvas. You are expected to check your Rutgers e-mail at least two or three times

throughout each week. All course announcements can also be accessed via the “**Announcement**” page in Canvas. Not checking Canvas or your Rutgers email is not an excuse for missing any communications.

Canvas:

Posted will be the syllabus, resources (articles and examples), Power Point slides, announcements, guides, etc. To access this system, go to <http://canvas.rutgers.edu> log in, and click on the course in the dashboard.

Class Materials:

New materials posted by 12pm every Tuesday. Students are advised to access Canvas multiple times a week, as each module (except during exam weeks) runs from Tuesday (Day 1) to the following Monday (Day 7). All course materials on Canvas, including slides, handouts, and assignments, are the intellectual property of the professor and for personal use only. Distributing, selling, or buying these materials without the professor's written permission is considered academic misconduct.

Class Communication:

Since class attendance is not compulsory, reliable communication is essential. We will use the thread “**Need Help?**” discussion forum for all course-related questions. Rather than emailing me directly with inquiries about requirements, due dates, grading policies, etc., I encourage you to post your questions on the forum. Please review the syllabus carefully before posting to ensure your question isn't already answered there. If it's not covered, post your question on the forum so that other students or I can answer it for everyone's benefit. While I will respond to your course-related questions, I may not be equipped to address technical Canvas-related inquiries. If you encounter a technical issue that requires immediate attention, please contact one of the 24/7 technical support resources available. Access these resources via the “**Help**” button on the bottom left panel of your screen. This provides options to speak with a live Canvas agent or a staff member of the Rutgers Help Desk. **Alternatively, you can directly reach them through OIT:** <https://it.rutgers.edu/help-support>

Professor Communication:

When emailing me, please include your full name and the course number. Response times to your emails are as follows: - Monday-Friday during the semester: within 24 hours, often sooner between 9 am and 5 pm. - Emails received after 5 pm **may not be addressed until the next business day.** - Weekends during the semester: within 48 hours **or by Monday.** If you do not receive a response within the specified time frame, kindly resend your email. I

strive to adhere to these response times and appreciate your cooperation in doing so as well. Please understand my need to balance responsiveness with other commitments and be respectful of my availability. For personal matters regarding grades, accommodations, or specific feedback, please contact me directly at my Rutgers email:

bryon.singh@rutgers.edu

CLASSROOM POLICIES

Exam, Quizzes, Assignment Make-up Policy

Make-up Work Policy: If, for a university-approved reason, you cannot complete a quiz, assignment, or exam during the scheduled time, you must give me written notice via email (bryon.singh@rutgers.edu) at least one week in advance so that other arrangements can be made. If the situation does not allow for advance notification (e.g., emergency hospitalization), contact me as soon as possible after the missed work and provide written documentation. The ability to make up work for non-university approved reasons is not guaranteed. The professor reserves the right to request written documentation to support your absence (such as a doctor's note, an obituary, or military orders).

Late Work Policy:

All work must be completed and uploaded to Canvas by the specified due date (with the exception of a university-approved, documented, and professor or Dean of Students verified reason; see Make-up Work Policy above). Any work submitted after the due date and time will receive a reduction of one full letter grade for each day that it is late.

Incompletes:

"Incompletes" will only be given through prior consultation, under extreme circumstances, and when completion of the course requirements in question would substantially improve your grade. In the rare event when an "incomplete" is given, you must submit all of the agreed-upon work to me by the Rutgers registrar deadline to avoid the "incomplete" converting to an "F": <https://registrar.camden.rutgers.edu/gradeinstruction#incomplete>

ASSESSMENTS

Class Participation:

It is expected that you will (1) regularly log into Canvas and spend adequate time engaging with course materials as your activity will be monitored, (2) attentively review and interact with the online content, and (3) actively contribute to online discussions and forums. Your contributions should be thoughtful and reflect a careful review of all assigned materials, demonstrating your understanding and engagement. Additionally, all assignments should be completed and submitted on time as per the specified schedule.

Test/Quizzes:

Students are expected to adhere strictly to the scheduled timeframes and maintain academic integrity by not consulting unauthorized resources or collaborating with others. Ensure a stable internet connection and suitable environment for uninterrupted completion. Any technical issues should be reported immediately. Late submissions or breaches of academic honesty will result in appropriate penalties as per course policy.

Discussion Board Activity:

There will be at least seven specific discussion board activities in this course. This may change based on the professor's discretion. Discussions may involve any combination of prepared materials, journal articles, textbook readings, mini-cases, problems, videos, or other resources. During the week of discussion activity, students are expected to create at least one Discussion Thread by Day 4 (Thursday) of each week that a discussion topic is assigned and then by Day 7 (Sunday) have responded to at least one other posted thread by other students in the class. All postings including responses are to be substantive and further the discussion of the topic of interest.

Postings on the discussion board must reflect student's reading and comprehension of the assigned readings and/or related discussion activity. Discussion postings must reflect the ability to synthesize concepts presented through writing at a college level. The minimum length of a post is 100 words not including references listed. A typical rubric for evaluating discussion board activity will be provided. In addition to these specific assigned discussions, there will also be a general class forum for discussing issues related to the class, but these will not be graded.

COURSE GRADING

The assignment of final grades, the course requirements will be weighted approximately as follows:

Participation and Discussions	25%
Quizzes*	15%
Labs/Projects	15%
Midterm Exam	20%
Final Exam	25%
Grade Ranges	
Letter Grade Description	
A Highest grade (90% and above)	C+ Average work (74.5% to 79.4%)
B+ Work of distinction (84.5% to 89.4%)	C Average work (69.5% to 74.4%)
B Work of distinction (79.5% to 84.4%)	F Failure without credit (Below 60%)

*Lowest grade is dropped

Disability Services/Accommodations

The University is committed to supporting the learning of all students and faculty will provide accommodations as indicated in a Letter of Accommodation issued by the Office of Disability Services (ODS). If you have already registered with ODS and have your letter of accommodations, please share this with me early in the course. If you have or think you have a disability (learning, sensory, physical, chronic health, mental health or attentional), please contact <https://success.camden.rutgers.edu/disability-services>.

Accommodations will be provided only for students with a letter of accommodation from ODS. Their services are free and confidential. Letters only provide information about the accommodation, not about the disability or diagnosis.

Academic Integrity

The Academic Integrity policy can be found at <https://studentconduct.rutgers.edu/processes/university-code-student-conduct>
<http://studentconduct.rutgers.edu/student-conduct-processes/academic-integrity/>

Students are responsible for understanding the principles of academic integrity and abiding by them in all aspects of their work at the University. Students are also encouraged to help educate fellow students about academic integrity and to bring all alleged violations of academic integrity they encounter to the attention of the appropriate authorities.

Academic Integrity means that you (the student) must:

- properly acknowledge and cite all use of the ideas, results, or words of others,
- properly acknowledge all contributors to a given piece of work,
- make sure that all work submitted as your own in a course activity is your own and not from someone else
- obtain all data or results by ethical means and report them accurately
- treat all other students fairly with no encouragement of academic dishonesty

Adherence to these principles is necessary in order to ensure that:

- everyone is given proper credit for his or her ideas, words, results, and other scholarly accomplishments
- all student work is fairly evaluated, and no student has an inappropriate advantage over others
- the academic and ethical development of all students is fostered
- the reputation of the University for integrity is maintained and enhanced.

Failure to uphold these principles of academic integrity threatens both the reputation of the University and the value of the degrees awarded to its students.

Artificial Intelligence Use: Acceptable and Unacceptable Use of AI

The use of generative AI tools (e.g. ChatGPT, Dall-e, etc.) is permitted in this course for the following activities:

- Brainstorming and refining your ideas.
- Fine tuning your research questions.
- Finding information on your topic.
- Drafting an outline to organize your thoughts; and
- Checking grammar and style.

The use of generative AI tools is not permitted in this course for the following activities:

- Impersonating you in classroom contexts, such as by using the tool to compose discussion board prompts assigned to you or content that you put into a Zoom chat.

- Completing group work that your group has assigned to you, unless it is mutually agreed upon that you may utilize the tool.
- Writing a draft of a writing assignment.
- Writing entire sentences, paragraphs or papers to complete class assignments.
- Completing quizzes and exams, unless otherwise stated by the instructor.

You are responsible for the information you submit based on an AI query (for instance, that it does not violate intellectual property laws, or contains misinformation or unethical content). **Your use of AI tools must be properly documented and cited in order to stay within university policies on academic honesty.** Any assignment that is found to have used generative AI tools in unauthorized ways based on guidelines in this syllabus, will be subject to report of a violation of Academic Integrity and thus the appropriate adjudication. When in doubt about permitted usage, please ask for clarification.

Code of Student Conduct

Rutgers University-Camden seeks a community that is free from violence, threats, and intimidation; is respectful of the rights, opportunities, and welfare of students, faculty, staff, and guests of the University; and does not threaten the physical or mental health or safety of members of the University community, including in classroom space.

As a student at the University, you are expected to adhere to the Code of Student Conduct. To review the code, go to the Office of Community

Standards: <https://deanofstudents.camden.rutgers.edu/student-conduct>

Note that the conduct code specifically addresses disruptive classroom conduct, which means *"engaging in behavior that substantially or repeatedly interrupts either the instructor's ability to teach or student learning. The classroom extends to any setting where a student is engaged in work toward academic credit or satisfaction of program-based requirements or related activities."*

COURSE OUTLINE

Week	Canvas Module(s)	Module Start (Day 1)	Module End (Day 7)	Topics
Week 1	Getting Started & Module 1	1/20	1/26	Basic Principles of Systems, Networking & Firewalls for Cybersecurity
Week 2	Module 2	1/27	2/2	Introduction to Check Point Quantum Security Management
Week 3	Module 3	2/3	2/9	Check Point Gateway and Server Deployment
Week 4	Module 4	2/10	2/16	Check Point Security Administration
Week 5	Module 5	2/17	2/23	Check Point Licensing and Contracts
Week 6	Module 6	2/24	3/2	Security Policy Management
Week 7	Module 7	3/3	3/9	Policy Layers
Week 8	Mid-Term	3/9	3/13	<u>Mid-Term Exam</u> [3/9 – 3/13]
Week 9	[Break]	3/14	3/22	[SPRING BREAK – NO CLASS]
Week 10	Module 8	3/24	3/30	Network Address Translation
Week 11	Module 9	3/31	4/6	Security Elevation
Week 12	Module 10	4/7	4/13	Site-to-Site VPN
Week 13	Module 11	4/14	4/20	Monitoring Operations
Week 14	Module 12	4/21	4/27	Security Maintenance
Week 15	Course Wrap-Up	4/28	5/6	<u>CCSA Group practice Exam</u> [4/28]
Final Exam	Final Exam	5/7	5/13	<u>Final Exam</u> [5/7 – 5/13]