# nscc

## NETW 1027

### Introduction to Networking and Security

## FACULTY INFORMATION

| | |
|---|---|
| Name | Alfred Parks |
| Email | alfred.parks@nscc.ca |
| Office Telephone | (902)670-9714 or by Teams |
| Campus | Annapolis Valley Campus - COGS |
| Office Location | Room 115B |
| Availability | 8am to 5:30pm when not in class |

**Academic Chair:**
Monica Lloyd
(902)824-0568
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**Administrative Assistant:**
Angie Publicover
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## TEXTBOOK / RESOURCE REQUIREMENTS

Course materials are available online at https://nscconline.desire2learn.com.
Additional resources will be accessed from the Cisco Networking Academy https://netacad.com

## SUPPLIES / ADDITIONAL RESOURCES
Resources :    N/A

## ACCREDITATION / EXTERNAL CERTIFICATION
Students in this course will be enrolled in the NSCC Cisco Networking Academy

## ASSESSMENT AND EVALUATION METHODS
A variety of informal and formal methods may be used for assessing and evaluating your learning, including but not limited to:

- Skill Based Assesssment - In Class Activities
- Quizzes & Tests
- Assignments

**Evaluation Scheme:**

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|---|---|
| Assignments approx.. 10 @ 5 pts | 50 pts |
| Networking Quiz @ 15 pts | 15 pts |
| Security Quiz @ 10 pts | 10 pts |
| Skills Based Assessment | 25 pts |
| | 100 pts |

The pass mark for this course is 60 % and a student must achieve 60% or higher on all quizs, assignments and skill based activities. Assignment weight depends on difficulty. Mandatory pass (60%) required for each assignment and all learning outcomes must be successfully demonstrated.

**Late Submissions**
Assessments and evaluations are to be handed in on or before the specified due date. Late submissions may not be accepted after assignments have been corrected and returned to other learners. A Late penalty of 5% per weekday will be applied. A Late penalty of 5% per weekday will be applied. Should you be unable to complete an evaluation, speak with your faculty prior to the due date about your options.

**Supplemental Evaluations**
Students may be eligible to write supplemental evaluations however, not all courses are eligible for a course supplemental evaluation. Approval to exempt a course from eligibility for supplemental evaluation must be granted by the school Dean and the Director of Enrolment and Registrar. For more information speak with your faculty or Academic Chair.

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**TENTATIVE SCHEDULE**

Because every learner is different, it is effective to align the pace, workload, and delivery strategy to strengths of the learners. In a creative learning environment, **you should expect some variations** from this tentative work plan as well as a variety of informal assessments throughout the course.

| Week/Unit | Topics/Description | Relevant Learning Outcome(s) | Value/Evaluation/ Due Dates (if applicable) |
|---|---|---|---|
| Week 1 Sept. 4-8 | Introduction to Networking and Security<br>- Course Introduction<br>- Class Setup and Preparation | | |
| Week 2 Sept. 11-15 | Net: Intro to Networks<br>- M1 Essentials<br>- M1 Intro to Networking<br>- Assignment 1 (5 pts) Assigned | 1,3 | |
| Week 3 Sept. 18-22 | Net: Online Connections<br>- M2 Essentials<br>- Assignment 2 (5 pts) Assigned | 1,2, 3 | Assignment 1 5 pts |
| Week 4 Sept. 25-29 | - Net: Explore Networks<br>- M3 Essentials<br>- Assignment 3 (5 pts) Assigned | 1,2, 3 | Assignment 2 5 pts |
| Week 5 Oct. 2-6 | Net: Network Media<br>- M4 Essentials<br>- Assignment 4 (5 pts) Assigned<br><br>Oct. 2 National Truth and Reconciliation Day -College Closed | 1,3 | Assignment 3 5 pts |
| Week 6 Oct. 9-13 | Net: Communication Principals<br>- M5 Essentials<br>- Assignment 5 (5 pts) Assigned<br><br>Oct. 9. Thanksgiving Day College Closed | 1, 3 | Assignment 4 5 pts |
| Week 7 Oct. 16-20 | Net: Network Design and Access<br>- M6 Essentials<br>- Assignment 6 (5 pts) Assigned | 1,2,3 | Assignment 5 5 pts |
| Week 8 Oct. 23-27 | Net: IP Addressing, DHCP, NAT<br>- M8 Essentials<br>- Assignment 7 (5 pts) Assigned | 1,2 | Assignment 6 5 pts |
| Week 9 Oct. 30- Nov. 3 | Net: Transport Services<br>- M 11 Essentials | 1 | Assignment 7 - 5 pts<br>Quiz 1 -15 pts |
| Week 10 Nov. 6-10 | Sec: Security Basics<br>- Threat Actors / Vulnerabilities / Impacts<br><br>Nov. 10 Study Day: College Closed to students | 4 | |
| Week 11 Nov. 13-17 | Sec: Threats and Attacks<br>- Malware Types and Tactics | 4 | Assignment 8 5 pts |

| Week/Unit | Topics/Description | Relevant Learning Outcome(s) | Value/Evaluation/ Due Dates (if applicable) |
|---|---|---|---|
| | Nov. 13 Remembrance Day Nov 13– College Closed | | |
| Week 12 Nov. 20-24 | Sec: Authentication<br>- Authorization and Identity Management | 4 | Assignment 9 5 pts |
| Week 13 Nov. 27-Dec. 1 | Sec: Network Attacks<br>- Wired, Wireless and Cloud | 4 | Assignment 10 - 5 pts Quiz 2 – 10 Pts |
| Week 14 Dec. 4- 8 | Net & Sec: Worlds Collide | 1,2,3,4 | |
| Week 15 Dec. 11- 15 | Course Wrap-up Cumultive Final | 1,2,3,4 | Final Assessment |

**ADDITIONAL INFORMATION**

**Inclusion and Integrity of the Learning Environment**
We strive to ensure that equity, inclusion and social justice is the reality for all students, faculty and staff. We commit to provide a safe and respectful working and learning environment where differences are valued, expected and honored. Within this environment, students are required to demonstrate the values of respect, academic integrity and honesty.

To support these goals, we have the following policies:
- Respectful Community
- Student Community Standards
- Employee Code of Conduct
- Sexual Violence
- Academic Integrity
- Academic Accommodations
- Educational Equity

For more information visit https://www.nscc.ca/about/publications/policies-procedures/index.asp

**Appealing a Final Grade**
NSCC is committed to a fair, transparent and timely approach to a student's right to challenge academic decisions and non-academic decisions that affect academic progress and standing.

If you feel your final grade is unreasonable, speak with your Faculty or Academic Chair about your concerns. If the issue is not resolved, you may pursue a formal appeal. Speak with your Student Services Advisor for more information on the Student Appeals Policy, procedures, and your eligibility.

**Copyright**
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**Preparing for Learning**

Your success in this course stems largely from your level of engagement and willingness to learn. Preparation, attendance, and participation are key factors in learning. If you feel overwhelmed, lost, or disengaged, speak with your faculty, Academic Chair, or Student Services Advisor about how we can help.

**Student Supports**

Student Services provides you with a wide range of supports. For more information, visit Student supports.

For support with Brightspace contact the Technology Service Desk by visiting servicedesk.nscc.ca. Click *Create a Request* (Select "Brightspace (D2L)", then "Brightspace (D2L) Student Support"). Or, by phone, dial 902 491-6774 (press 4), or Toll-free:1 877 491-6774 (press 4). For self-directed, how-to resources to aid in using Brightspace, visit the Brightspace (D2L) Toolkit.

**Take care of yourself**

As a student, you may experience a range of challenges that can interfere with learning, such as strained relationships, increased anxiety, substance use, feeling down, difficulty concentrating or lack of motivation. This may impact your daily activities and impact your academic performance.
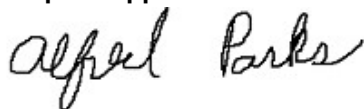
We are here to support you.

To talk to a counsellor and explore other supports: Student Mental Health and Wellness Resources

For online supports and our 24/7 student helpline:  HealthymindsNS

Your wellbeing is a priority – review our Mental Wellness Strategy

**Workplan Approval**

_alfred Parks_
_____
Signature: Faculty

_____
Signature: Academic Chair, Manager Alternate
Delivery, or Dean's Designate

Alfred Parks
_____
Name of Faculty Member

_____
Name of Academic Chair, Manager Alternate
Delivery, or Dean's Designate

18 August 2023
_____
Date

_____
Date