CYBER SECURITY 120

Course Description and Objectives

The Cybersecurity 120 course will inspire students through the experiential learning of the fundamentals and possibilities of cybersecurity. Students will be actively engaged in the design, development and evaluation of defensive cybersecurity projects. This class endeavors to have students learn through studies of real-world cases and hands-on activities from day one, while maintaining a high level of engagement throughout the course through a commitment to problem-based and project-based learning.

Submitting Assignments:

Written and coding assignments will be submitted by uploading a file or folder to Github. Each student will receive a personal repository to manage their work. Students will indicate they have submitted their work by 'raising an issue'. Proficiency in this workflow is assessed as part of Outcome 03 (table below).

Progress Reports:

Students will be provided with a report to take home periodically throughout the semester. I try to send home reports 3 - 4 times to make sure parents are kept up to date. Parents can also request a more detailed report by contacting me by email.

Conferencing:

There will be a few (2-4) conference days throughout the semester. On Conference days I will visit student dev groups to discuss their progress on their final project app. With each student individually, I will show them their current marks in the course, and we will discuss why they have the marks they do as well as any questions or concerns that they have about the course.

Plagiarism:

Plagiarism on assignments carries consequences. Examples include:

1) Copying assignments
2) Minor edits to a copied assignment (i.e. changing variable names) and submitting it as your own work
3) Having another student complete an assignment for you

A mark of 0 will be given to each student who is involved in plagiarism

Outcome Evaluation

01	**Cybersecurity Fundaments**	**25%**
02	**Network Protocols**	**25%**
03	**Data and Encryption**	**25%**
04	**Forensics**	**25%**