Course Title: CYB 101 Introduction to Cybersecurity

Course Team: Steve Shank/Trudy Gift

Course Instructor(s): Steve Shank

Programs: AAS Cyber Security, AS Cyber Security

Expected Learning Outcomes:

- Think critically

- Communicate effectively with both verbal and written forms

- Perform and share cooperatively in team projects

- Review and practice computer and network etiquette and ethics found in working environments

- Preform risk assessment

- Install, configure, use and manage anti malware software on a working network

- Evaluate best practices in security concepts to maintain confidentiality, integrity and availability of computer systems

Assessment: (How do students demonstrate achievement of these outcomes?)

Satisfactory scores on exams and quizzes.

Satisfactory completion of a research project.

Successful presentation of a research topic.

Participation in class discussions or Discussion Forums

Validation: (What methods are used to validate your assessment?)

1. Approval of Information Systems Technology Advisory Council

2. Quizzes developed by leading textbook author

3. Faculty Review

Results: (What do the data show?)
Since the 2012 fall semester a total of 184 students have taken CYB101 Introduction to Cybersecurity.

148 (80%) of the students completed the course and 140 (77%) were successful.

The grade distribution is as follows:

A	87	47%
B	32	17%
C	21	11%
D	7	4%
F	25	17%

There was 1 audit and 11 withdrew from the course.

Follow-up: (How have you used the data to improve student learning?)
77% of students completing course requirements successfully complete coursework

Continue to use Netlab labs into curriculum. These labs were developed by the Center for Systems Security and Information Assurance (CSSIA). The creations of these labs was funded by the National Science Foundation's (NSF) Advanced Technological Education (ATE) program Department of Undergraduate Education (DUE) Award No. 0702872 and 1002746; Center for Systems Security and Information Assurance (CSSIA) is an entity of Moraine Valley Community College.

(Todo)
Have identified new textbook – now to incorporate into course curriculum

Introduce new criteria for CAE2Y requirements
        Design spreadsheets that utilize formulas and functions
        Research internet statistics relating to security and graph data

Netlabs labs and quizzes serve as common assessments.

Budget Justification:
(What resources are necessary to improve student learning?)

PC lab, projection unit, printers
Netlabs customization
Security hardware and software
Course Management software (Moodle)