

SJS Curriculum Committee met on 3-2-16.

Present: Tricia Martland (Chair), Doug White, Katrina Norvell, Melissa Russano and Michael Hall.

During the meeting, we met and discussed a total of 7 petitions. Petitions were from Legal Studies and SEC/Cybersecurity.

Doug White spoke to the following three petitions:

Minor School Program Modification: based on recommendations from companies who hire graduates in the field, they are looking for people with a new training. This petition would allow for a new course to teach that specialized training to replace a free elective. Unanimous vote of approval 4-0

433 Specialized Networking Skills: this is the new course to teach new technology and allow students to take specific certifications. Syllabi content is included but not in syllabi form. Doug will attach. Unanimous approval 4-0

450 Law Networking Security: This course requires Junior level standing because there are no prerequisites and students need technology background, Unanimous approval 4-0

Lisa Newcity spoke to the following petitions she put forward:

469 LS Practicum: this will require Legal Studies students to now take an internship and ethics class in place of two elective courses. LS faculty believe this will be beneficial for students and is consistent with similar programs that also require a practicum. Unanimous vote of approval 5-0

LS 345 Legal Ethics: This is the course that is required for students before they can do their practicum. This has full support from LS faculty and consistent with other programs. Unanimous vote of approval 5-0.

Modify School Program: petitions drops two elective courses from the LS curriculum to make room for practicum and ethics course. Unanimous approval 5-0.

LS 340 Law and Film: Course has been taught as a Special Topics Course many times. Full approval to make it a permanent course. Unanimous approval 5-0.

Syllabus SEC 433

This course requires that students develop skills using alternative platforms to Cisco in order to ensure that skills necessary for employment are in place upon graduation. This course requires SEC 432 and SEC 405 as prerequisites prior to enrolling in this course.

Course Objectives:

- Develop an understanding of a different firewalling platform beyond Cisco ASA
- Develop an understanding of a different routing platform beyond Cisco IOS

Learning Objectives

- Understanding of the configuration and management of the Alternative Routing System being considered.
- Understanding of the configuration and management of the Alternative Firewall System
- Understanding of the configuration and management relationship between Cisco and the ARS/AFS systems

Materials:

Materials for this course will be determined based upon the platforms being used. These books, websites, other material change frequently and are typical industry books which are widely available.

Course Materials

- This course will require books or online materials as needed

Schedule

- Module 1 – Review of Cisco IOS and CISCO ASA components
- Module 2 – Review of Networks built in Packet Tracer and Cisco Exam
- Module 3 – Other Router Systems Hardware
- Module 4 – Routing Strategies using Alternative Routing Systems (ARS)¹
- Module 5 – Building Routed TCP/IP networks using ARS
- Module 6 – Development of Internetwork connectivity using ARS

¹ This would currently be Juniper Routers using the Olive Router Simulator or other Simulations of Juniper Routers

- Module 7 – Developing ACLs and Routing protocols between ARS and Cisco
- Module 8 – Midterm Exam
- Module 9 – Review of ACL Firewall Methods
- Module 10 – Review of Cisco ASA Firewall Methods and Configuration
- Module 11 – Introduction to Alternative Firewall Systems (AFS)²
- Module 12 – Securing the Network intranet using AFS
- Module 13 – Securing the Border using AFS
- Module 14 – Mixed Firewall equipment, Routing, and Internet Connectivity using AFS
- Module 15 – Final Exam

² This would currently be Checkpoint Firewall using their training systems via the SecureAcademy materials.