INFSYS 3848 Syllabus (Spring 2014)

This course addresses the challenge of assuring security in information systems – networked, embedded, and stand alone. Topics include: security policies, models, tools, and techniques for enforcement. The course also examines flawed security policies and the consequences of penetration and disruption of information systems. The class schedule is as follows:

January 2014

23 – Syllabus Review / **Security and Information Systems Current Events**

30 – Chapter 1, Introduction to Information Security

February

6 – Chapter 2, The Need for Security

13 – Chapter 3, Legal, Ethical and Professional Issues in Information Security

20 – Chapter 4, Risk Management / **TEST 1 (CH 1,2,3)**

27 – *Guest Speaker Joseph Cronin, AFNIC*

March

6 – Chapter 5, Planning for Security

13 –Chapter 6, Security Technology: Firewalls and VPNs

20 –Chapter 7, Security Technology: Intrusion Detection and Prevention Systems and other Security Tools / **Midterm exam, TEST 2 (CH 4,5,6)**

27 – Spring Break

April

3 – Chapter 8, Cryptography, *Guest Speaker Kevin Keeney, WWT*

10 – Chapter 9, Physical Security

17 – Chapter 10, Implementing Information Security **/ TEST 3 (CH 7,8,9)**

24 – Chapter 11, Security and Personnel

May

1 – Chapter 12, Information Security Maintenance

8 – Review / Additional Topics

15 – **Final exam, TEST 4 (CH 10,11,12)**

Each class will spend approximately one hour covering the chapter and one hour covering current events, guest speakers, demonstrations or related topics (6:55pm - 9:30pm).

Grades are based on four tests:
Test 1: 25%
Midterm: 25%
Test 3: 25%
Final: 25%

Each test will cover three chapters. Bonus questions will come from the lectures and demonstrations portion of the class. There is also a bonus of up to 5% for class participation.

Instructor: Dr. John Williamson

Email: j.williamson@umsl.edu

Text: Principles of Information Security, Michael Whitman and Herbert Mattord, Fourth Edition (Available via the campus bookstore or Amazon)

- **It is vitally important that our classroom environment promote the respectful exchange of ideas. This entails being sensitive to the views and beliefs expressed during class discussions. Please speak with me before recording any class activity. It is a violation of University of Missouri policy to distribute such recordings without my authorization and the permission of others who are recorded.**

- Your success in this course is important to me. When I believe that the programs offered at the Center for Student Success (CSS) will help you academically, I will send a referral via the campus *Academic Alert System.* The CSS offers assistance tailored to specific instructional needs. Learn about the Academic Alert system in the online Student Planner,
http://www.umsl.edu/studentlife/dsa/student_planner/stuservices/css.html

- Make-up tests must be taken within a week. Arrangements will be made with the Campus Testing Center to administer this test.

- Class attendance and participation is essential for success. When you are absent, it is your responsibility to clarify missed assignments with classmates or with me prior to the next class.

- If you expect to miss class to participate in a university-sanctioned activity, be sure to submit a Student Absence Form early in the semester so that we can discuss your responsibilities and make plans to fulfill the requirements of the classes you will miss.

- If you expect to miss class due to a religious observance, early in the semester submit a Request for Accommodations for Religious Observance so that we can discuss your responsibilities and plan so that you meet course obligations and requirements.

- Please make an appointment to discuss with me any requests for exceptions to these policies.

Campus Safety

- All members of the UMSL community are encouraged to register their cell and office phone numbers to receive notification of any pending danger on campus. Find instructions here: https://myhr.umsystem.edu

- In the event of an emergency on campus, call Campus Police at 314.516.5155. A call to 911 on a cell phone only, will go to the St. Louis County Police. The St. Louis County Police will notify UMSL Police, but this may cause a delay in response. Campus Police know the best way to escort emergency vehicles to locations on campus.

- If you do not feel comfortable walking to a parking lot, MetroLink stop, or anywhere else on campus, contact the Campus Police for an escort: 314.516.5155.

- The University of Missouri – St. Louis is committed to creating and maintaining a safe environment for all members of the campus community (faculty, staff, students and visitors). Please familiarize yourself with campus emergency procedures by reviewing the UMSL Police Department web pages at: http://safety.umsl.edu/emergency These pages highlight possible safety concerns and alert you to procedures to follow should there be an emergency on campus. The site also includes a link to the campus plan for disaster preparedness. We encourage you to review this information and be prepared to take action in the event of an emergency. If a person's safety is ever at risk, **call the Campus Police at 314-516-5155 immediately.**

Academic Honesty:

- Plagiarism is the use of another person's words or ideas without crediting that person. Plagiarism and cheating will not be tolerated and may lead to failure on an assignment, in the class, and dismissal from the University. View this campus policy here: http://www.umsl.edu/services/academic/assets/PDFs/Dishonesty-Rev-9-08.pdf

- Students are responsible for being attentive to and observant of campus policies about academic honesty as stated in the University's Student Conduct Code: http://www.umsl.edu/~webdev/bulletin/student-conduct.html

- To avoid accusations of academic dishonesty, please submit all written work to the Turnitin System before finalizing what you submit for evaluation. Check information about The Writing Lab @UMSL that is linked to MyGateway Home.

Civility:

- Turn off beepers and cell phones during class. Adherence to the Student Conduct Code is expected.

- My commitment is to create a climate for learning characterized by intellectual diversity and a respect for each other and the contributions each person makes to class. I ask that you make a similar commitment.

- I am committed to insuring a positive learning environment by respecting that University policy: http://www.umsl.edu/~studentplanner/policies/positive.html