IT 443 Network Security Administration
Spring 2016 Syllabus

Class room: Science Building 3rd Floor Room 143 (S-3-143)
Class time: Tuesday & Thursday 11:00 AM - 12:15 PM
Class websites: Check Blackboard at `https://umb.umassonline.net/`

Instructor: Dr. Xiaohui Liang

- Email: xiaohui.liang@umb.edu

- Office location: S-3-80

- Office hour: Tuesday & Thursday 2:30 PM - 4:00 PM

Course Description
This course covers the fundamental principals and concepts in the field of network security. It is a hands-on study of common security problems and solutions. Major topics include network basics, cryptography basics, authentication, IPsec, SSL/TLS, firewall, and email security.

Textbook (Suggested)
"Network Security: Private Communication in a Public World"(2nd Edition), by Charlie Kaufman, Radia Perlman, and Mike Speciner. ISBN-10: 0130460192, ISBN-13: 978-0130460196

Prerequisite
IT 341

Course Work

- Lab assignments: There will be 6-7 lab assignments counting for 70% of the final grade. Tentative lab topics include understanding network packets, encryption/decryption, password cracking, intrusion detection, system monitoring, implementing certificate, implementing VPN, and configuring a firewall. Each assignment will be conducted in teams of two students.

- Final exam: There will be a final exam counting for 30%.

Grading Policies

- Lab (70%) + Final exam (30%)

- For lab assignments, partial points will be given, but no late submissions are accepted.

- There will be no makeup exam.

Accommodations

This class seeks ways to become a working and evolving model of inclusion and universal design for all participants. Individuals with disabilities of any kind (including learning disabilities, ADHD, depression, health conditions), who require instructional, curricular, or test accommodations are responsible for make such needs known to the instructor as early as possible. Every effort will be made to accommodate students in a timely and confidential manner. Individuals who request accommodations must be registered with the Ross Center for Disability Services, which authorizes accommodations for students with disabilities. If applicable, students may obtain adaptation recommendations from the Ross Center for Disability Services, M-1-401, (617-287-7430), `www.rosscenter.umb.edu`. The student must present these recommendations and discuss them with each professor within a reasonable period, preferably by the end of Drop/Add period.

Student Conduct

Students are required to adhere to the University Policy on Academic Standards and Cheating, to the University Statement on Plagiarism and the Documentation of Written Work, and to the Code of Student Conduct as delineated in the catalog of Undergraduate Programs, pp. 44-45, and 48-52. The Code is available online at: `https://www.umb.edu/life_on_campus/policies/community/code`.

Additional information

My emails to the class will be sent from the Blackboard system so make sure that your email address is set up correctly with Blackboard. You should visit the Blackboard website regularly for other information including latest announcements about the class. Make sure you check your UMB e-mail address (usually firstname.lastname001@umb.edu) regularly and/or redirect it to another e-mail address you use more frequently. No excuses regarding infrequent use of this e-mail address will be accepted.

Number to letter grade conversion (I reserve the right to lower these standards.)

$P \geq 90$	A
$90 > P \geq 87$	A-
$87 > P \geq 84$	B+
$84 > P \geq 80$	B
$80 > P \geq 77$	B-
$77 > P \geq 74$	C+
$74 > P \geq 70$	C
$70 > P \geq 67$	C-
$67 > P \geq 64$	D+
$64 > P \geq 60$	D
$60 > P$	F