IT 442-2: Windows System Administration Syllabus

Instructor: Torna Omar Soro, PhD
Email: Torna.soro001@umb.edu
Office: S-3-124A
Office Hours: Monday and Wednesday 5:50 – 6:50 PM
Tuesday 5:30 - 6:30 PM
Or by appointment (email me)
Class Schedule: Monday & Wednesday
7:00 - 8:15 PM
Classroom: S-3-143
Course Website: https://www.cs.umb.edu/~tsoro/teaching/teach.html
and Blackboard

Prerequisites: IT341

Course Description

This is an introduction to the process of choosing, installing, configuring and maintaining Microsoft Windows client and server systems. Topics include user management, file systems, network domains and domain management, mailers, and printing. Students get practice in writing scripts for performing maintenance tasks. Also, students learn how these tasks fit into the more general system administration process.

- Topic 1: Introduction to IT442 and System Administration
- Topic 2: Introduction to Operating System
- Topic 3: Introduction to networks
- Topic 4: Introduction to Windows 2012
- Topic 5: Windows 2012 requirement and installation
- Topic 6: Managing Windows 2012
- Topic 7: Installing and configuring Windows 2012 Active Directory
- Topic 8: Creating, managing, and restoring User accounts and AD objects
- Topic 9: Group Policy Management
- Topic 10: Managing file systems, data sharing, security and auditing
- Topic 11: Windows 2016 requirement, installation and networking

To help students enhance their practical experience, some class times will be in the lab. Students can ask questions in classes but cannot share the result of their assignment with other teams.

Textbook

Required Materials:

- Windows Server 2012: Pocket Consultant. Microsoft Press by Stanek, W., Microsoft Press
  ISBN-10: | ISBN-13: 978-0-735-66633-7
  You can buy this book from Amazon.

- Windows Server 2016: Server Infrastructure. Stanek & Associates by Stanek, W., Stanek & Associates
  ISBN-10: 1537261185
  You can buy this book from Amazon.

Recommended text:

- Principles of Network and System Administration, 2nd edition by Mark Burgess, Wiley and Sons, 2004
  ISBN-10: 0470868074
- Learn Windows PowerShell in a Month of Lunches 3rd Edition by Stanek, W., Microsoft Press
  ISBN-10: 1617294160 | ISBN-13: 978-1617294167
- The Practice of System and Network Administration: Volume 1: DevOps and other Best Practices for Enterprise IT (3rd Edition) 3rd Edition, 2017 by Thomas A. Limoncelli (Author), Christina J. Hogan (Author), Strata R. Chalup (Author)
  ISBN-10: 0321919165 | ISBN-13: 978-0321919168

Grading Policy

All homework and exams are subject to the University's Code of Conduct.

Plagiarism is not tolerated in any form.

Grade will be made up from Homework and lab assignment (30%), mid-term exam (30%), final exam (30%), and attendance (10%). Please notice that this class is about administration. Therefore, the expectation is to know the requirement of the system and procedures to implement/configure the system. Students are encouraged to read other material to improve their knowledge, but exams will cover topics in the given books only

Grades will be computed as follows

Homework and Lab Assignment: 30%
Mid-term Exam: 30%
Final Exam: 30%
Attendance: 10%

Final grades will be assigned based on the following standard scale

A   > 100 - 93 (the Registrar does not accept an A+ grade)
A - 92 - 90
B + 89 - 86
B   85 - 83
B - 82 - 80
C + 79 - 76
C   75 - 73
C - 72 - 70

D + 69 - 66
D   65 - 63
D - 62 - 60
F   < 60

Assignment submission:

Students are expected to submit the lab assignment before 11:59PM of the due date. The assignment should:

- Be named: IT442S2Tx (as x stands for your team number).
- Contain: name of both members of the team
- Contain: all required screenshots and explanation of each step. A document filled with screenshot, but lacks explanation will earn 60% of the grade.

Students are expected to submit the homework assignment before 11:59PM of the due date.

If you have a personal emergency, contact me I will give you an appropriate extension.

Accommodations for Students with Disabilities

Section 504 of the Americans with Disabilities Act of 1990 offers guidelines for curriculum modifications and adaptations for students with documented disabilities.

Students may obtain adaptation recommendations from the Ross Center for Disability Services.

Their web site is https://www.umb.edu/academics/vpass/disability.

A student must present these recommendations and discuss them with me within a reasonable period, preferably by the end of Add/Drop period.

Academic Honesty

The Academic Honesty section the Code of Student Conduct of the University reads as follows

It is the expressed policy of the University that every aspect of academic life not only formal coursework situation, but all relationships and interactions connected to the educational process shall be conducted in an absolutely and uncompromisingly honest manner. The University presupposes that any submission of work for academic credit indicates that the work is the student's own and is in compliance with University policies. In cases where academic dishonesty is discovered after completion of a course or degree program, sanctions may be imposed retroactively, up to and including revocation of the degree. Any student who reasonably believes another student has committed an act of academic dishonesty should inform the course instructor of the alleged violation.

Midterm (Tentative)

Mid-term Exam: Monday, October 28th

Contacting Me

If you have questions about your status in the class, email me at torna.soro001@umb.edu