IT-4333 Network Configuration & Administration
Fall 2014

Instructor Information

Instructor: Dr. Ming Yang  
Office: J-363  
Phone: 678-915-6869  
Email: mingyang@spsu.edu  
Website: http://educate.spsu.edu/myang2

Class Meeting: fully online; no classroom meeting;  
Office Hours: 1:30PM – 3:00PM, Wednesday; 3:00PM – 6:00PM, Thursday;

Contact

1. Email me directly at mingyang@spsu.edu or myang2@spsu.edu;  
2. Use D2L Discussion Forums and D2L Chat to interact with the instructor and classmates;  
3. Please ONLY use your SPSU email account (yourlogin@spsu.edu) to contact me;  
4. Sensitive information (such as your grades) can only be sent to SPSU email account;  
5. Please email me through Zimbra; please DO NOT email me through D2L;  
6. In the subject line of your email, please have course and section numbers;  
7. If you email me but cannot get a response, there are three possible reasons:  
   a. You emailed me through D2L, not through Zimbra;  
   b. You did not include course # and section # in the subject line of your email;  
   c. You accidently sent your email to an alumni whose name is Yang Ming and her email address is yming@spsu.edu; many students have done this and I still get forwarded emails from Ms. Ming, although she graduated from SPSU two years ago; so please make sure you are not sending your emails to Ms. Ming; she has already been bothered a lot 😊

Course Description

Prerequisite: IT-4323 Data Communication and Networking

Required Textbook

- Network Management Fundamentals  

Topics

This course continues the study of networks. Topics include design and implementation of networks including synchronization, scheduling, exception and deadlock resolution, client server and web based collaborative systems. Network security will also be covered. Cost estimates and speed are examined from a management perspective.
Learning Outcomes

Students who complete this course successfully will be able to:

1. Demonstrate how to manage network systems;
2. Apply the various management strategies to managing networks;
3. Describe concepts of network configuration management;
4. Demonstrate a knowledge of SNMP, SMI, MIB, RMON, RMON;
5. Understand and configure specialized network security software;

Grading Policy

<table>
<thead>
<tr>
<th>Component</th>
<th>Weightage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Labs &amp; Projects</td>
<td>60%</td>
</tr>
<tr>
<td>Final Exam</td>
<td>40%</td>
</tr>
</tbody>
</table>

A: [90, 100]; B: [80, 89]; C: [70, 79]; D: [60, 69]; F: [0, 59];

Submission Rules

- All assignments will be posted on GeorgiaVIEW D2L [http://spsu.view.usg.edu/];
- All assignments must be submitted through GeorgiaVIEW D2L by the deadline;
- Please double-check your submission; whatever your submit by deadline will be graded;
- No late submission will be accepted; late submission means no submission;
- We do not accommodate any makeup for quiz, midterm, and final exams;

Course Outline

Course Organization

This course will be organized as weekly units: each week starts on MONDAY and ends on SUNDAY. All homework, lab assignments belonging to a particular week unit are due on SUNDAY at 11:59PM of that week.

During each week, we have the following materials:

1. An overview of our contents, materials, and goals for this week (this is where you start from: all homework, quizzes, assignments will also be announced in this study guide);
2. Assigned reading from textbook;
3. PowerPoint slides;
4. Links for video lectures;
5. Homework assignments or quiz;

For each content module you should:

1. Read the assigned sections of the textbook;
2. Digest the PowerPoint slides;
3. Take online quiz if assigned;
4. Finish homework assignments and submit it on time (must submit as a .doc file);
**Grading and Feedback Timeline:**

1. All online quiz keys will be open the day after the quiz expiration date;
2. Quiz keys will be discussed in the video lectures in the following week;
3. Homework and projects will be graded within one week after the submission deadline;
4. You can find the feedback of homework/projects in GA’s reports which are uploaded to D2L;

**Course Calendar (tentative)**

<table>
<thead>
<tr>
<th>Week</th>
<th>Date</th>
<th>Course Contents</th>
</tr>
</thead>
<tbody>
<tr>
<td>01</td>
<td>08/13 – 08/17</td>
<td>Introduction; get familiar with the syllabus;</td>
</tr>
<tr>
<td>02</td>
<td>08/18 – 08/24</td>
<td>Chapter 1. Setting the Stage</td>
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<tr>
<td>03</td>
<td>08/25 – 08/31</td>
<td>Chapter 2. On the Job with a Network Manager</td>
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<tr>
<td>04</td>
<td>09/01 – 09/07</td>
<td>Chapter 3. The Basic Ingredients of Network Management</td>
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<tr>
<td>05</td>
<td>09/08 – 09/14</td>
<td>Chapter 4. The Dimensions of Management</td>
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<tr>
<td>08</td>
<td>09/29 – 10/05</td>
<td>Chapter 7. Management Communication Patterns: Rules of Conversation</td>
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<tr>
<td>09</td>
<td>10/06 – 10/12</td>
<td>Chapter 8. Common Management Protocols: Languages of Management</td>
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<tr>
<td>10</td>
<td>10/13 – 10/19</td>
<td>Chapter 9. Management Organization: Dividing the Labor</td>
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<tr>
<td>11</td>
<td>10/20 – 10/26</td>
<td>Chapter 10. Management Integration: Putting the Pieces Together</td>
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<tr>
<td>12</td>
<td>10/27 – 11/02</td>
<td>Chapter 11. Service Level Management: Knowing What You Pay For</td>
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<tr>
<td>14</td>
<td>11/10 – 11/16</td>
<td>Final Exam (Chapters 1 – 12),</td>
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<td>15</td>
<td>11/17 – 11/23</td>
<td>Final Project starts;</td>
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<td>16</td>
<td>11/24 – 11/30</td>
<td><strong>Thanksgiving Holiday!</strong></td>
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<tr>
<td>17</td>
<td>12/01 – 12/07</td>
<td><strong>Final Exam and Final Project due;</strong> good luck!</td>
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**Course Expectations**

**Student Feedback**

We try to improve the quality of the class as we go. So, during the semester, if you have any comments, feedback, suggestion, complaints to the instructor, please feel free to contact me and I am willing to discuss the issues with you. The discussion will improve the learning process, for both you and me. Also, the progress of the class is also subject to minor changes, depending on the feedback from students. So, any comment from students will be appreciated.
**Academic Conduct**
- Classroom policies: no chatting, no food/drink, no text messaging;
- Cooperation and exchange of ideas with other students are encouraged; however, you are responsible for your own work;
- Examples of cooperation that are **OK**: talking with someone about approaches to the assignment, discussing a particular problem that you are having;
- Examples of cooperation that are **NOT OK**: taking someone else's assignment and modifying it, examining someone else's solution in detail;
- Any cases involving suspected academic dishonesty result in a grade of zero for the assignment -- this penalty applies to all students involved.

**Help Resources**

**Additional Resources**
- **Contacts to get Help**
  - For D2L Technical Support, go to [https://d2lhelp.view.usg.edu/](https://d2lhelp.view.usg.edu/) or call 678-915-HELP
  - For D2L Student Support, go to [http://spsu.edu/d2l/student/](http://spsu.edu/d2l/student/)
  - For Wimba Technical Support, go to [http://www.wimba.com/services/support/](http://www.wimba.com/services/support/)
  - For Emergencies call 678-915-5555

- **Additional Information**
  - Business Department Resources [http://www.spsu.edu/business/webx/rc.htm](http://www.spsu.edu/business/webx/rc.htm)
  - The USG Copyright Policy can be found at [http://www.usg.edu/copyright/](http://www.usg.edu/copyright/)

**Students with Disabilities**
Students with disabilities who believe that they may need accommodations in this class are encouraged to contact the counselor working with disabilities at (678) 915-7244 as soon as possible to ensure that such accommodations are implemented in a timely fashion.