Instructor Information

Instructor: Dr. Xin Shirley Tian  
Office: Atrium Building J378B  
Email: xtian2@kennesaw.edu  
Class Meeting: Online Class; Email or make an appointment with the instructor  
Office Hours: Tuesday/Thursday 11:00AM- 1:30PM or have the virtual online meeting with the appointment

Contact
1. Email me directly; Email turnaround time: 24-48 hours;  
2. Use D2L Discussion Forums and D2L Chat to interact with the instructor and classmates;  
3. Please ONLY use your KSU email (xxxx@students.kennesaw.edu) account to contact me;  
4. Sensitive information (such as your grades) can only be sent to KSU email account;  
5. Please email me through KSU email account; 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 get no response, there are two possible reasons:  
   a. You emailed me through D2L, not through your KSU email account;  
   b. You did not include course # and section # in the subject line of your email;

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 knowledge of SNMP, SMI, MIB, RMONI, RMON;  
(5) Demonstrate skills in configuring specialized network security software.
Grading

Grading Policy
Labs & Projects 60%
Midterm: 15%
Final Exam 25%

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://kennesaw.view.usg.edu/;
• All assignments must be submitted through GeorgiaVIEW D2L by the deadline;
• Please double-check your submission; whatever you submit by deadline will be graded;
• All assignments will be graded within two weeks of submission;
• 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) PowerPoint slides;
(2) Assigned reading from textbook;
(3) Links for video lectures;
(4) Assignments;

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);
### Course Calendar (tentative, subject to minor changes)

<table>
<thead>
<tr>
<th>Week</th>
<th>Date</th>
<th>Course Progress</th>
<th>Notes</th>
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<tbody>
<tr>
<td>01</td>
<td>Jan 7 – Jan 13</td>
<td>Chapter 01 Setting the Stage</td>
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<tr>
<td>02</td>
<td>Jan 14 – Jan 20</td>
<td>Chapter 03 The Basic Ingredients of Network Management</td>
<td>Lab 1 (LAN)</td>
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<td>03</td>
<td>Jan 21 – Jan 27</td>
<td>Chapter 04 The Dimensions of Management I</td>
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<tr>
<td>04</td>
<td>Jan 28 – Feb 3</td>
<td>Chapter 04 The Dimensions of Management II</td>
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<td>05</td>
<td>Feb 4 – Feb 10</td>
<td>Chapter 05 Management Functions and Reference Models I</td>
<td>Lab 2 (Router)</td>
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<td>06</td>
<td>Feb 11 – Feb 17</td>
<td>Chapter 05 Management Functions and Reference Models II</td>
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<td>07</td>
<td>Feb 18 – Feb 24</td>
<td>Chapter 06 Management Information I</td>
<td>Lab 3 (ServerAlive)</td>
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<td>08</td>
<td>Feb 25 – Mar 3</td>
<td>Chapter 06 Management Information II</td>
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<td>09</td>
<td>Mar 4 – Mar 10</td>
<td>Chapter 07 Management Communication Patterns</td>
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<td>10</td>
<td>Mar 11- Mar 17</td>
<td>Chapter 08 Common Management Protocols</td>
<td>Lab 4</td>
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<td>11</td>
<td>Mar 18 – Mar 24</td>
<td>Chapter 09 Management Organization: Dividing the Labor</td>
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<td>12</td>
<td>Mar 25 – Mar 31</td>
<td>Chapter 10 Management Integration</td>
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<td>13</td>
<td>Apr 1 – Apr 7</td>
<td>Spring Break; NO CLASS</td>
<td>No Class</td>
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<td>14</td>
<td>Apr 8 – Apr 14</td>
<td>Chapter 11 Service Level Management</td>
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<td>15</td>
<td>Apr 15 – Apr 21</td>
<td>Chapter 12 Management Metrics</td>
<td>Lab 5 (Wireshark)</td>
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<td>16</td>
<td>Apr 22 – Apr 28</td>
<td>Wrap up the course; Prepare the final exam</td>
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<tr>
<td>17</td>
<td>Apr 29 – May 5</td>
<td>Final Exam.</td>
<td>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/ or call 678-915-HELP
  For D2L Student Support, go to http://spsu.edu/d2l/student/
  For Wimba Technical Support, go to http://www.wimba.com/services/support/
  For Emergencies call 678-915-5555

• Additional Information
  Remote access to Library Resources http://www.spsu.edu/library/DI/dl.html
  Business Department Resources http://www.spsu.edu/business/webx/rc.htm
  The USG Copyright Policy can be found at 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.