Technology Department
Computer and Network Support Capstone
CMP 259-D01
Syllabus: Spring 2017

Instructor:
Curtis Satterfield
Office Hours: Monday 10:00-12:00, Tuesday 2:00 – 3:00, Wed 10:00 – 12:00 or by appointment.

Office: MTC 203
Phone: (410) 334 – 2834
Email: csatterfield@worwic.edu
Email is the fastest way to get in touch with me and is preferred.

Class time: 10:45a – 1:45p Tuesdays and Thursdays - MTC 200
Final Exam: Thursday April 27th 10:00a – 12:00p

Course Description:
This is the capstone course for the computer and network support technology degree program. Advanced projects, such as real world network proposals and security analysis reports, are employed to enhance the student’s analytical skills. Students demonstrate proficiency in various areas of computer networking, security and support. Hours: 26 lecture and 26 laboratory. Prerequisites: CMP 150, CMP 225 and permission of the department head. Laboratory fee: $25. Usually offered in the spring.

Required Materials:
A brain, in good working order.
You must have a flash drive if you wish to save your work.

Blackboard Disclaimer:
Blackboard is being used as the primary tool for this course. To access course content in Blackboard you need to have access to a computer with an Internet connection. Computers are available on campus in BH 217, HH 100, GH 304 and FOH 305. Please follow these directions to access course syllabi and any other materials posted.

Login Information:
1. From the Wor-Wic home page, point to “Quick Links” (top –right) and then click “Blackboard Login.”
2. Enter your Wor-Wic user ID and password (same as your Wor-Wic email user ID and password).
3. Click on CMP 259 then click on “Course Content”.

<table>
<thead>
<tr>
<th>Course Objectives</th>
<th>Assessment Goals</th>
<th>Assessment Strategies</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Demonstrate advanced troubleshooting and problem solving skills. GEO 2</td>
<td>Evaluate old hardware for defects.</td>
<td>Exam questions, lab exercises, quizzes and homework. *</td>
</tr>
<tr>
<td></td>
<td>Evaluate the usefulness of old hardware in new projects.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Troubleshoot and repair advanced networking and security devices.</td>
<td></td>
</tr>
<tr>
<td>2. Analyze various sources of information to identify security threats. GEO 2</td>
<td>Develop list of sites to monitor for security related information</td>
<td>Exam questions, lab exercises, quizzes and homework. *</td>
</tr>
<tr>
<td></td>
<td>Demonstrate ability to interpret data and respond to possible threats</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Develop action plans based on possible threats</td>
<td></td>
</tr>
<tr>
<td>3. Analyze network architecture and recommend/implement improvements. GEO 2</td>
<td>Identify various components on a network and their limitations</td>
<td>Exam questions, lab exercises, quizzes and homework. *</td>
</tr>
<tr>
<td></td>
<td>Evaluate network performance</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Develop a plan to implement new infrastructure improvements</td>
<td></td>
</tr>
<tr>
<td>4. Analyze security procedures and recommend/implement improvements. GEO 2</td>
<td>Analyze security procedure documentation.</td>
<td>Exam questions, lab exercises, quizzes and homework. *</td>
</tr>
<tr>
<td></td>
<td>Evaluate current procedures against best practices.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Develop a security baseline for implementation.</td>
<td></td>
</tr>
<tr>
<td>Week</td>
<td>Topic</td>
<td>All assignments, quizzes, and labs for week due no later than:</td>
</tr>
<tr>
<td>------</td>
<td>------------------------</td>
<td>---------------------------------------------------------------</td>
</tr>
<tr>
<td>1</td>
<td>Hardware</td>
<td>01/26/16</td>
</tr>
<tr>
<td>2</td>
<td>Hardware</td>
<td>02/02/16</td>
</tr>
<tr>
<td>3</td>
<td>OS</td>
<td>02/09/16</td>
</tr>
<tr>
<td>4</td>
<td>OS</td>
<td>02/16/16</td>
</tr>
<tr>
<td>5</td>
<td>Databases</td>
<td>02/23/16</td>
</tr>
<tr>
<td>6</td>
<td>Networking</td>
<td>03/01/16</td>
</tr>
<tr>
<td>7</td>
<td>Networking</td>
<td>03/15/16</td>
</tr>
<tr>
<td>8</td>
<td>Networking</td>
<td>03/22/16</td>
</tr>
<tr>
<td>9</td>
<td>Security</td>
<td>03/29/16</td>
</tr>
<tr>
<td>10</td>
<td>Security</td>
<td>04/05/16</td>
</tr>
</tbody>
</table>

*Course Guidelines:
Student will be given two hours of classroom instruction and two hours of laboratory practice per week. Extensive reading assignments are required to research the computer component characteristics and properties. An Electronic Literacy Assignment will challenge the student to expand their knowledge of computer hardware. Hands-on exercises will reinforce the concepts introduced in the lecture.

Tentative Schedule*

*A required electronic literacy assignment addresses these outcomes, will be graded with a rubric and comprises 5% of the course evaluation. GEO Objectives 2*
*Subject to change

Course Evaluation:

Type of Evaluation
Deliverable 1 20%
Deliverable 2 20%
Deliverable 3 25%
Deliverable 4 25%
Comprehensive Final 10%

Weekly Journals – Your weekly Journals are how I will gauge your personal progress in the course. Based on the progress I see you complete in the class and your explanations of your weekly work you will receive a percentage for the week (grade out of 10). I will sum up your total scores for the semester and multiply your final group grades by your weekly journal percentage.

Failure to submit weekly journals will result in deduction of your overall grade. Each missed Journal represents a 2% reduction in your final grade. For example if you have a 90% final based on your group projects and you missed 2 journals your final grade will be an 86% (2 journals * 2% = 4% reduction of overall grade).

Letter grade will be assigned as follows:
A = 90% – 100%
B = 80% – 89%
C = 70% – 79%
D = 60% – 69%
F = Less than 60%

Exam Policy:
You are responsible for knowing when exams and evaluations will be administered. Exams will only be administered at the scheduled date and time unless prior arrangements have been made. If you cannot contact me prior to missing an exam you must provide written documentation (doctor’s note, hospital documentation) to be allowed to make up the exam. NO MAKE-UP FINAL EXAMS.
Assignment Policy:
All assignments MUST be submitted on time. **NO CREDIT FOR LATE OR INCORRECTLY SUBMITTED WORK.** If you do not do your assignments, you will not be able to keep up with the class. I will not slow down to pick up students who are not committed to making every class and submitting assignments when due. No extra credit and no make-up work will be allowed. If you fail to do or turn in your assignments in a timely manner you will not get credit for that missed work and you will not be able to “make it up”.

Electronic Literacy Assignment:

- Turn in paper by 10:45a Tuesday April 18th.
- NO LATE PAPERS WILL BE ACCEPTED.

For your ELA you will complete a semester project that involves significant research and analytical thinking. See Blackboard for details and rubric.

ELA Assistance:
If you need help writing your ELA please utilize the writing center here at Wor-Wic. You can schedule an appointment online. Navigate to www.worwic.edu then navigate to Current Students ➔ Learning Resources ➔ Writing Conferences. Limited time slots are available, so an appointment is required. If you cannot keep your appointment, it is your responsibility to cancel any writing conferences by using this link.

Academic Honesty Policy:
Students are required to maintain a high level of academic performance. All work submitted to the instructor will be regarded as the work of the student taking the course. Cheating and plagiarism are defined in Wor-Wic’s Student Conduct Policy found in the College Catalog. Infractions of this policy will result in disciplinary action including failure of the assignment, test, or course.

Attendance Policy:
There are only 26 learning class periods, and 27 sessions total. School is like a job. It is a commitment and absence or lateness will not be tolerated as it would not be tolerated in the workplace. If you miss or are late for classes you miss important material and you will fall behind. It is YOUR RESPONSIBILITY to make up any missed class work. The Technology Department holds its students to the highest of standards, just as a corporation would do. **Therefore, if you miss 6 or more class periods you may not pass this course. Every two late arrivals will count as an absence.**

If absence is absolutely necessary for a very good reason (death, illness) please:

- Notify me at (410) 334-2834 or email: csatterfield@worwic.edu
- Arrange to get notes from another student
- Set up a meeting with me during office hours or schedule an appointment
School is just like a job. It is a commitment and absence or lateness will not be tolerated as it would not be tolerated in the workplace.

**Academic Honesty Policy:**
Students are required to maintain a high level of academic performance. All work submitted to the instructor will be regarded as the work of the student taking the course. Cheating and plagiarism are defined in Wor-Wic’s Student Conduct Policy found in the College Catalog. Infractions of this policy will result in disciplinary action including failure of the assignment, test, or the course.

**Acceptable Computer Use Policy**
All students logging into Blackboard affirm that they understand and agree to follow Wor-Wic Community College policies regarding academic integrity and the use of College resources as described in the college catalog. Wor-Wic Community College considers the following as violations of the computer usage policy:

- Using the campus computing network and facilities to violate the privacy of other individuals
- Sharing of account passwords with friends, family members or any unauthorized individuals

**Emergency Information Statement**
In the event of severe inclement weather or other emergency, information about the closing of the college will be communicated via e2Campus and the College's website. Faculty will communicate with students about their courses and course requirements, such as assignments, quiz and exam dates, and class and grading policies, via Blackboard. Students will be responsible for completing all assignments in accordance with class policies.

**Services for Students with Disabilities**
Wor-Wic provides reasonable accommodations for students with disabilities, in compliance with the Americans with Disabilities Act of 1990 and Section 504 of the Rehabilitation Act of 1973. If you are in need of accommodations, please contact the counseling office at (410) 334-2899. For more information, see Wor-Wic's Services for Students with Disabilities web page.

**Sexual Violence Disclosures**
Wor-Wic Community College seeks a campus free of sexual violence which includes sexual harassment, domestic violence, dating violence, stalking, and/or any form of sex or gender discrimination. Please be aware that if a student discloses a personal experience verbally or in writing as a Wor-Wic student to a faculty or staff member, the employee cannot maintain confidentiality and has the mandatory responsibility to notify one of the college’s Title IX coordinators. However, if you’d like to make a confidential disclosure of any such violence, you can contact Wor-Wic’s director of counseling (X-2900) or you can contact the Life Crisis Center at 410-749-HELP or 2-1-1.
Professor reserves the right to modify this syllabus during the semester to better facilitate students’ learning needs.

**Computer Lab Policy – Room MTC 200:**
Open foods or beverages are NOT PERMITTED in the computer lab. Adequate breaks will be given to allow snacks to be purchased and consumed outside the classroom. Access to computer systems is granted as a privilege, and as such, imposes certain responsibilities and obligations. By using the college’s computing resources, users agree to abide by these policies and procedures. Specific information about violations and sanctions can be found in the appendix of the college catalogue.

Instructor reserves the right to modify this syllabus during the semester to better facilitate students’ learning needs.