**NET 1300 - Networks and Emerging Technology**

**Weber State University - Network Management Technology**

**Fall 2017**

Instructor: AJ Hepler

Classroom: Elizabeth Hall 313 – Tuesday/Thursday, 10:30am - 11:45am

Contact Info: ajhepler@weber.edu, 801-626-7309

Office Hours: Tuesday/Thursday 12:00pm – 2:30pm, Room EH 375

**Course Description:**

This course is designed to introduce the fundamentals of voice and data networking technologies. The course includes topics such as history of telecommunications, history of data

networking, study of industry, transport media, common networking protocols, and emerging technologies.

**Required Text:**

A textbook is not required for this course.  The instructor will provide material for reading assignments through the Canvas online portal.

**Learning Outcomes:**

* Students will demonstrate knowledge of networking topologies and metrics
* Students will demonstrate how to convert between binary, decimal, and hexadecimal
* Students will demonstrate understanding of issues facing the future of voice and data networking
* Students will demonstrate an understanding of and the use of collaborative technologies
* Students will analyze and report on the impact of disruptive technologies on a local and global scale

**Teaching Methods:**

Class will be taught using a combination of lecture and labs to present and reinforce the material.  Reading assignments will be used to prepare for in class discussions and for writing assignments. Quizzes will be administered through the Canvas online portal and taken in class throughout the semester.

**Assignments and Quizzes:**

Quizzes on lecture materials and reading assignments will be administered in class.  Quizzes will be multiple choice, true/false, drop-down, short answer, and/or fill-in-the-blank. Quiz and assignment instructions and due dates will be provided in the Canvas online portal.

**Grade Scale:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 95-100 = A | 90-94 = A- |  |  | Assignments and Quizzes | 40% |
| 87-89 = B+ | 83-86 = B | 80-82= B-     | Participation and Presentation | 40% |
| 77-79 = C+ | 73-76 = C | 70-72 = C- | Final Project | 20% |
| 67-69 = D+ | 63-66 = D | 60-62 = D- | Total  | 100% |

**Late Work:**

Most late work will require meeting with the instructor to complete if missed.  Please inform the instructor of any absences as soon as possible, e-mail is preferred.  It is at the instructor’s discretion to allow late work.

**ADA:**

Any student requiring accommodations or services due to a disability must contact Services for Students with Disabilities (SSD) in room 181 of the Student Services Center. SSD can also arrange to provide course materials (including the syllabus) in alternative formats if necessary. You can also call 801-395-3524 or visit <http://www.weber.edu/ssd> for more details.

**Academic Honesty:**

Any attempt to gain unfair advantage during exams, or submitting another student’s work as your own, is considered cheating.  Cheating will result in a failing grade being issued for the course and a report will be sent to the Dean of Students that will include the student's name and a description of the student's dishonest conduct. Further disciplinary action may be taken by the University as it deems appropriate.  You can find more information about academic honesty in the Weber State Policies and Procedures Manual. <http://www.weber.edu/ppm/Policies/6-22_StudentCode.html>

**Course Fees:**

Course fees are designed to cover the costs of lab equipment maintenance and replacement including desktop and server computer systems and software; consumable materials and supplies; and support for lab aides, student tutors, and online instructional resources.

**Campus Closure:**

In the event of the campus being closed, please check the Canvas portal for course instruction.