Computers, Servers, and Networking Syllabus

2023-2024 School Year

First Year Program

INSTRUCTOR INFORMATION

- Tory Klementsen MCP, A+
- Office Hours: 7:00-7:55 a.m. and after school by appointment Monday-Friday
- Office Location: Room 148
- Phone: 425.328.2246 (office) 360.502.6739 (personal)
- Email: klementsentl@mukilteo.wednet.edu or tory@teechur.com
- Best Way to Contact me: text message via REMIND or email, I will respond within 48 hours

Course Description

- **Session Time, Class Days:** Class meets Monday-Friday. Students will attend either half day morning or afternoon. Morning is 7:55-10:25 and Afternoon is 11:10-1:40.
- **Course Description:** CSN is a unique hands-on course that is focused on helping students attain skills and certifications to become an entry-level computer technician.
- **Units of study include:** Safety and Professionalism, Motherboards and CPUs, Power Supplies, Memory, Expansion, Storage, Input/Output Devices, Display Devices, Mobile Devices, Linux, Network basics, Networking Media, Protocols, Wireless Networking, Windows Networking, Virtualization and Cloud Computing, Security Principles, Topologies, Intro to Scripting, Custom Subnetting
- **Prerequisites:** Interest in computer hardware, software and networking, the ability to read and follow directions and the ability to work in a self-directed manner.

Course or Section Texts/Materials

- **Required Materials:** Three-ring binder, paper, writing utensils, and lab tools daily
- **Other Resources:** Online videos, online articles, our classroom website which is at www.teechur.com, Quizlet.com, as well as a variety of operating systems and software.
- **Lab Fee:** $40 lab fee provides toolkit, storage, crimper, cables and cable making material, grounding strap, software, and class shirt

Learning Objectives

1. *Further student knowledge in Information Technology in a rigorous and challenging, hands-on course.*
2. *Prepare students for the world of work by presenting them with real-world situations and simulations.*
3. *Provide a variety of learning opportunities.*
4. *Prepare students to take a variety of professional technical certifications.*

- **Certification Opportunities:** CompTIA A+ Technical Certification and Microsoft Certified Professional Certifications.

Sno-Isle TECH Skills Center can assist any student with financial relief for needed materials or equipment for this course. We are also able to connect you with resources for barriers to school attendance. Please reach out to me as your instructor, or to any staff member for help. A google form link can also connect you to financial assistance: https://forms.gle/JTLEc1fAhqbFnTkbA Please ask!

Course Calendar

Because our curriculum changes every year, due dates vary, however here are some important dates to note:

- Access the Sno Isle Calendar at https://snoisletech.com
- **January 15-26 Final Project Semester 1**: This project is worth 50% of your grade for the semester. *Attendance is especially crucial during this time!*
- **May 13-24 Final Project Semester 2**: This project is worth 50% of your grade for the semester. *Attendance is especially crucial during this time!*

Course or Section Policies and Procedures

- This course is a three-credit course and as such it is expected that everyone will come ready to work from bell to bell.
- Material is accessible online to all students from the beginning of each unit and includes lecture, video, reading, worksheets, hands-on labs, quizzes, objective tests, and lab tests.
- Expectations are that every student does every assignment assigned in the program, and in exchange, I do not give busywork.
- Students work alongside second year students who are mentors and project managers.
- Sno-Isle TECH Skills Center is administered by Mukilteo School District and follows MSD School Board Policies and Procedures.
- Academic Honesty and Integrity violations include, but are not limited to:
  - Plagiarizing, copying, or submitting any part of another person's work (written, visual, or auditory) as representing one's own work.
  - Distribution/Sharing/Receiving of class assignments or test information in written, electronic, or verbal form to/from another student without teacher permission. Students in physical or electronic possession of unauthorized academic materials, whether requested/used or not, may be subject to disciplinary action.
  - Using "crib notes": Any use of unauthorized notes on tests/assignments (written notes or electronic devices of any kind).
  - Altering or Accessing Official School Documents: A student shall not alter official school documents, either paper or electronic, or open school documents not specifically addressed to the student.
  - Suspected and confirmed instances of academic dishonesty will be referred to administration for documentation.
- **Assessment Criteria and Grading Policies**: Grades are based on hands-on labs, group critical-thinking projects, quizzes, and tests, and a final project that includes a test, a written component, and a skills test. The final is 50% of the overall semester grade each semester as it is a comprehensive assessment of student learning for the semester. Students must not be absent during the two weeks of finals if they intend to pass the program.
  - Coursework 20%
  - Leadership 10%
  - Assessments 20%
  - Semester Final 50%

- **Professionalism Policy:** Leadership and professionalism is approximately 10% of a students' overall grade and includes such things as using skills outside of class time, volunteering inside or outside of class, mentoring other students, and many other opportunities throughout the year.
- **Make-up or Late Work:** Late work and make up work are not accepted without prior arrangement as ample class time is given.
- **Grading communication:** Parents and students can access grades through our online grading system. Grades are updated after every unit, which is approximately every two weeks.
- Sno-Isle TECH Skills Center can support accommodations for learning and health needs. The same as your sending school, we need updated paperwork that states what accommodations are needed. Please turn in any updates to your learning and accommodation plans to me or the Study Center staff.

Credit Equivalencies/CIHS/Dual Credit

- 3.0 High School Credits
  - 1 English Credit and 2 Occupational Credits or
  - 3 Occupational Credits
- CTE Dual Credit
  - Edmonds Community College 15 Credits (1st year)
    - CIS 161 PC Hardware Support
    - CIS 162 PC Software Support
    - CIS 264 Server Administration
  - Bellevue College 15 Credits (1st year)
    - Tech 215 PC Analysis & Configuration
    - Tech 217 PC Analysis & Configuration II
    - IT 103 Networking Basics

MUKILTEO SCHOOL DISTRICT NON-DISCRIMINATION STATEMENT

Mukilteo School District does not discriminate in any programs or activities on the basis of sex, race, creed, religion, color, national origin, age, veteran or military status, sexual orientation, gender expression or identity, disability, or the use of trained dog guide or service animal and provides equal access to the Boy Scouts and other designated youth groups. The following employees have been designated to handle questions and complaints of alleged discrimination: Civil Rights Coordinator and Title IX Coordinator Simone Neal (425-356-1319), NealSR@mukilteo.wednet.edu, Section 504 Coordinator Becca Anderson (425-356-1277), AndersonRA@mukilteo.wednet.edu, and the ADA/Access Coordinator Karen Mooseker (425-356-1330), moosekerkw@mukilteo.wednet.edu. Address: 9401 Sharon Drive in Everett, WA. Inquiries regarding ADA/Access issues at Sno-Isle TECH Skills Center should be directed to Wes Allen, Director (425-348-2220) allenwr@mukilteo.wednet.edu. Address: 9001 Airport Road in Everett, WA 98204.

Sno-Isle TECH Skills Center Permission to Participate Agreement

Sno-Isle TECH Skills Center provides a technical education to students through experiential learning designed to emulate the beginnings of the career path for the course they are studying this year. Students will have significant safety training and discussion about their safety and the safety of their teammates in the program setting. Your student will engage in activities that may be physically demanding and involve hazards.

_____(Student name) will not be allowed to participate in physical activities or use <u>any</u> tools, machines, chemicals or other hazardous process until their safety tests are passed and they demonstrate safe behavior at all times.

The instructors and administration of Sno-Isle TECH Skills Center reserve the right to determine when a student is able to participate in a program or activity. Student safety is always our first concern.

We certify as parent/guardian that we have reviewed the syllabus for the program our student is attending and have understand the clothing and personal protective equipment that our student is required to wear and will assure they are in proper clothing each day.   (Parent Initial) _____

We certify as parent/guardian that we accept and understand that Career and Technical Skills Center program participation involves certain inherent risks, dangers and hazards that may cause serious personal/physical injury, including death. (Parent Initial) _____

We certify as parent/guardian of the named student participant that they have no physical conditions which could interfere with or compromise their safety in participating in physical activities that involve heat, light, physical movement, tool use, climbing, bending, crawling, odors, fire, water, ladder use.

(Parent Initial) _____

As the parent/guardian I authorize qualified emergency medical professionals to examine, and in the event of an injury or serious illness, to administer emergency medical care to the above-named student.

(Parent Initial) _____

In the event it becomes necessary for school district staff to obtain emergency medical care for the above-named student, we understand that neither the staff member nor the school district assumes financial liability for the expenses incurred because of the accident, injury, illness and/or unforeseen circumstances.

(Parent Initial) _____

HAVING READ AND INITIALED THE STATEMENTS ABOVE, I ACKNOWLEDGE THAT I HAVE READ THIS DOCUMENT AND FULLY UNDERSTAND THE RISKS ASSOCIATED WITH PARTICIPATING IN PROGRAM AT SNO-ISLE TECH SKILLS CENTER. BY SIGNING BELOW, I CERTIFY THAT I HAVE READ THE ABOVE, UNDERSTAND ITS CONTENT AND GRANT PERMISSION FOR MY STUDENT TO PARTICIPATE IN THIS SCHOOL YEAR.

Student Name: _____

Parent/Guardian Name: _____

Parent/Guardian Signature: _____   Date:_____