YukonCollege

COURSE OUTLINE
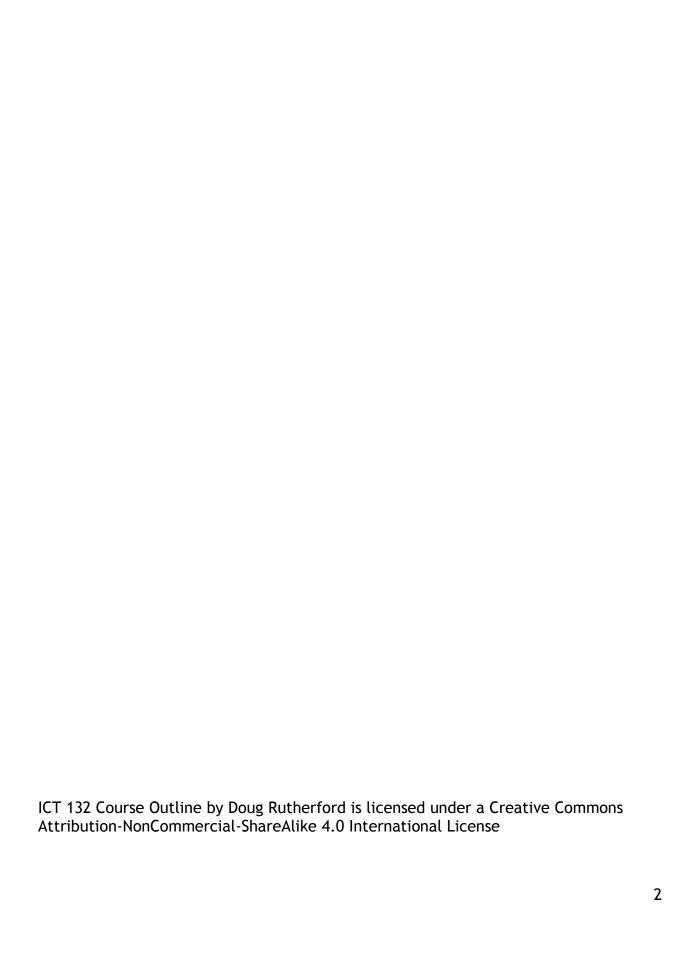
ICT 132

SERVER MANAGEMENT 2

45 HOURS
3 CREDITS

PREPARED BY: Doug Rutherford, Instructor   DATE: December, 2017

APPROVED BY: Margaret Dumkee, Dean   DATE: December, 2017

APPROVED BY ACADEMIC COUNCIL: (date)

RENEWED BY ACADEMIC COUNCIL: (date)

SERVER MANAGEMENT 2

INSTRUCTOR: Doug Rutherford	**OFFICE HOURS:**	TBA
OFFICE LOCATION: T1052	**CLASSROOM:**	Online
E-MAIL: drutherford@yukoncollege.yk.ca	**TIME:**	TBA
TELEPHONE: 867-668-8809	**DATES:**	TBA

COURSE DESCRIPTION

This is the second of two courses aimed at the management of Windows server operating systems in a corporate environment. The course looks at working with several infrastructure server roles, securing servers, and maintaining Windows servers at a high level of availability in general use and in disaster recovery.

PREREQUISITES

Acceptance into the Computer Support Technician Program, ICT 130

RELATED COURSE REQUIREMENTS

None

EQUIVALENCY OR TRANSFERABILITY

None

LEARNING OUTCOMES

Upon successful completion of the course, students will be able to

- S Subnet an existing TCP/IP network and configure servers to meet their various infrastructure roles.

- Maintain and implement security procedures within a corporate network.
- Configure servers to ensure high rates of availability
- Implement disaster recovery in a Windows server network

COURSE DELIVERY:

The course is delivered online through the BC Campus system. It is delivered over an 8-week period.

COURSE FORMAT:

This course is delivered as part of the Computer Support Technician program in an online format, comprising a mix of synchronous and asynchronous delivery. This will include online class meetings as well as students covering material at their own time. As this is an on-line course, attendance requires participation in the course, not time in a classroom. However, students must ensure that they complete their required participation in online discussions and other similar assignments

ASSESSMENTS

Attendance & Participation

Attendance at class meetings is recommended to ensure students have to ability to immediately clarify class material. However, meetings are also recorded and posted class page for those who cannot attend meetings.

Assignments

There are 5 assignments which will require performing tasks and documenting these in appropriate journal style. Each assignment is worth 6% of the course mark.

Cases

There will be 5 cases on applying the course material, each worth 6% of the course mark.

Final Exam

A final invigilated exam will cover all of the course material. It is worth 40% of the total course mark.

EVALUATION

Assignments 30%
Cases 30%
Final   40%

Total   100%

REQUIRED TEXTBOOKS AND MATERIALS

Panek, William. *MCSA Windows Server 2012, Complete Study Guide.* (Indianapolis: John Wiley & Sons, 2013). ISBN: 978-1-118-54407-5.

Computer:
Students will require a computer capable of running Windows Server 2012 and a virtual copy, with a minimum 1.4 MHz, x64 processor (note that Windows Server 2012 will not run on a 32 bit processor), a minimum of a 1 GB of RAM and a minimum of 65 GB of free drive space. Since students will be required to install a second virtual copy, the first installation cannot be a virtual one and students should have a second computer for doing regular course work.

Students will require a copy of Windows Server 2012 standard. A 180 day evaluation copy can be downloaded from the Microsoft web site.

Students will need an acceptable internet connection to attend online classes or the class recordings.

ACADEMIC AND STUDENT CONDUCT

Information on academic standing and student rights and responsibilities can be found in the Academic Regulations:
http://www.yukoncollege.yk.ca//downloads/Yukon_College_Academic_Regulations_and_Procedures_-_August_2013_final_v1.pdf

PLAGIARISM

Plagiarism is a serious academic offence. Plagiarism occurs when students present the words of someone else as their own. Plagiarism can be the deliberate use of a whole piece of another person's writing, but more frequently it occurs when students fail to acknowledge and document sources from which they have taken material. Whenever the words, research or ideas of others are directly quoted or paraphrased, they must be documented according to an accepted manuscript style (e.g., APA, CSE, MLA, etc.). Resubmitting a paper which has previously received credit is also considered plagiarism. Students who plagiarize material for assignments will receive a mark of zero (F) on the assignment and may fail the

course. Plagiarism may also result in dismissal from a program of study or the College.

YUKON FIRST NATIONS CORE COMPETENCY
Yukon College recognizes that a greater understanding and awareness of Yukon First Nations history, culture and journey towards self-determination will help to build positive relationships among all Yukon citizens. As a result, to graduate from ANY Yukon College program, you will be required to achieve core competency in knowledge of Yukon First Nations. For details, please see www.yukoncollege.yk.ca/yfnccr.

ACADEMIC ACCOMMODATION

Reasonable accommodations are available for students requiring an academic accommodation to fully participate in this class. These accommodations are available for students with a documented disability, chronic condition or any other grounds specified in section 8.0 of the Yukon College Academic Regulations (available on the Yukon College website). It is the student's responsibility to seek these accommodations. If a student requires an academic accommodation, he/she should contact the Learning Assistance Centre (LAC) at (867) 668-8785 or lassist@yukoncollege.yk.ca.

TOPIC OUTLINE

Unit	Subject
1	Managing DHCP
2	Managing and maintaining servers
3	Configuring routing and remote access
4	Understanding security
5	Managing File and Print Services
6	Managing Remote Access Services
7	Configuring High Availability in Windows Server 2012
8	Configuring File and Storage Devices
9	Implementing Disaster Recovery
10	Final Examination covering the class material