



Turtle Mountain Community College

10145 BIA Road 7
P.O Box 340
Belcourt, ND 58316
Phone 701-477-7862
Fax 701-477-7892
www.tm.edu

CATALOG COURSE TITLE & NUMBER: CIS 212: Microsoft Windows Client

COURSE CREDIT HOURS: 3 Credits

CLASS MEETINGS & ROOM: Online

PREREQUISITE: None

INSTRUCTOR: Marlin Allery

INSTRUCTOR PHONE: 701-477-7992 Ext. 115 **CELL PHONE:** 701-278-0813

INSTRUCTOR EMAIL: mallery@tm.edu

INSTRUCTOR OFFICE & HOURS: 8:00am – 4:00pm (Monday – Friday)

CATALOG COURSE DESCRIPTION: The course helps learners to gain the knowledge and skills to install, configure, customize, optimize, and troubleshoot the Microsoft Windows operating system in a stand-alone and network environment.

RATIONALE AND STATEMENT OF CULTURAL CONTENT: The mission of the Turtle Mountain Community College is to create an environment in which the cultural and social heritage of the Turtle Mountain Band of Chippewa can be brought to bear throughout the curriculum. We will try to invite a guest speaker into our classroom to go over the history of our ancestors and how they managed people without the use of technological devices like computers.

LEARNING OUTCOMES: The course focuses on teaching configuration tasks performed on the client computer by a desktop administrator in a business environment. This course prepares students for the TestOut Client Pro certification exam.

MATERIALS AND METHOD OF INSTRUCTION:

TestOut Client Pro

ISBN: 978-1-935080-45-9

Students will have to Download VirtualBox for implementation of a virtual environment to implement virtual machines for labs.

CLASS PROCEDURES: All assignments will be submitted via email or uploaded into Canvas. Late assignments will result in partial or NO credit. If instructor is out of the class or if you have an emergency, use contact info attached to the syllabus and email or leave message on telephone.

ATTENDANCE & PARTICIPATION: It is highly recommended to attend and participate in class. I have a policy that if you miss more than 8 times it is an automatic failure of the course. If you have an emergency and cannot make it to class DO NOT wait until the next day or next class to let me know what happened. DO NOT tell someone else; notify me described in the Methods of Instruction section.

TMCC Policy States:

"Students are responsible for understanding and following the specific course attendance requirements of their instructors as outlined in the course syllabus. If at all possible, the student should contact the respective instructor prior to any absence. Only class instructors can excuse students from class for reasons other than participation in college approved functions. No absences are "excused" in the sense of relieving the student from the responsibility of making up missed work.

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Students are responsible for mastery of material and completion of assignments missed. Failure to do so may affect grades regardless of the reason for the absence. TMCC recognizes the value of participation in extracurricular activities. Thus, a student can be excused from class in the case of college approved functions. In such instances, the student is responsible for notifying the instructor of the absence prior to the class."

GRADING SCALE: Grading is on an absolute scale, no curves. Your grade will be based on the following grading scale:

A =	90-100 %	B =	89-80 %	C =	79-70 %
D =	69-60 %	F =	59-0%		

In order to receive the grade indicated in the table above you as the student will be tested on knowledge and demonstration of skills. The final grade will be determined by points including tests, chapter questions and hands-on case projects. They will all be weighted strictly on the points earned for all things that are assigned.

ASSESSMENT: Student Learning Outcomes will be assessed through a pre and post testing for each semester.

ACADEMIC HONESTY: Students are expected to maintain scholastic honesty. Scholastic dishonesty includes but is not limited to cheating on a test, plagiarism, and collusion. When an infraction occurs, instructors have the authority to act personally. Instructors will report action to the Dean of Academic Programs. A student has the right to appeal the instructor's action in accordance with the student appeal policy.

DISABILITY STATEMENT: If you have emergency medical information to share with me, if you need special arrangements in case the building must be evacuated, or if you need accommodations in this course because of a disability, please make an appointment with me. My office location and hours are posted at the top of the syllabus.

MAJOR UNITS (Requirements):

- Introduction
- Hardware Management
- Network Configuration
- System Access
- Resource Sharing
- Windows Installation
- System Imaging
- Mobile Computing
- System Monitoring and Maintenance
- System Protection

Visit this link to see an in-depth course breakdown:

https://www.testout.com/docs/teaching-aids/client-pro/outline-clientpro-enus-5_1_x.pdf

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Module	Sections	Time	Videos	Labs	Text	Exams
1.0: Course Introduction						
	1.1: Course Introduction	20	15	0	5	0
	1.2: Windows User Interface Overview	78	38	20	10	10
	1.3: Windows as a Client	62	51	0	5	6
	1.4: Active Directory	75	46	10	10	9
	Total	3:55	2:30	0:30	0:30	0:25
2.0: Hardware Management						
	2.1: Devices and Drivers	81	50	10	10	11
	2.2: Device Driver Troubleshooting	34	23	0	5	6
	2.3: Display Management	69	51	5	5	8
	2.4: Disk File Systems	42	27	0	10	5
	2.5: Partition and Volume Management	92	58	5	15	14
	2.6: Volume Resizing	44	15	15	5	9
	2.7: RAID	55	29	5	10	11
	2.8: Storage Spaces	52	31	10	5	6
	2.9: Disk Optimization	50	26	10	5	9
	2.10: Removable Storage	35	19	5	5	6
	2.11: OneDrive Storage	36	21	5	5	5
	2.12: Storage Troubleshooting	31	17	5	5	4
	Total	10:21	6:07	1:15	1:25	1:34
3.0: Network Configuration						
	3.1: IPv4	76	52	0	10	14
	3.2: IPv6	37	14	0	15	8
	3.3: IP Configuration	81	49	10	15	7

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3.4: IP Troubleshooting	71	47	10	5	9
3.5: Wireless Networking Overview	62	38	0	10	14
3.6: Wireless Networking Configuration	51	22	10	10	9
3.7: Windows Firewall	44	27	5	5	7
3.8: Windows Firewall with Advanced Security (WFAS)	76	50	0	15	11
Total	8:18	4:59	0:35	1:25	1:19
4.0: Application Management					
4.1: Desktop Applications	65	44	10	5	6
4.2: User Account Control (UAC)	66	37	10	10	9
4.3: Application Compatibility	37	20	5	5	7
4.4: Application Virtualization	28	18	0	5	5
4.5: Windows Store Apps	39	23	0	10	6
4.6: Sideloaded Apps	25	15	0	5	5
4.7: Cloud-based Applications	48	33	0	10	5
Total	5:08	3:10	0:25	0:50	0:43
5.0: System Access					
5.1: Authentication and Authorization	30	18	0	5	7
5.2: Authentication Management	95	45	25	10	15
5.3: User Rights and Account Policies	34	16	5	5	8
5.4: Credential Management	73	57	0	10	6
5.5: Alternative Authentication Options	66	37	5	15	9
5.6: NTFS Permissions	83	58	5	10	10
5.7: Auditing	30	18	0	5	7
5.8: Dynamic Access Control (DAC)	40	31	0	5	4
5.9: Encryption	59	38	5	5	11

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	Total	8:30	5:18	0:45	1:10	1:17
6.0: Resource Sharing						
6.1: Resource Sharing	69	48	5	5	11	
6.2: Shared Resource Troubleshooting	42	31	0	5	6	
6.3: Libraries and HomeGroups	51	36	0	10	5	
6.4: Distributed File System (DFS)	35	25	0	5	5	
6.5: Printer Management and Sharing	80	53	15	5	7	
	Total	4:37	3:13	0:20	0:30	0:34
7.0: Windows Installation						
7.1: Windows Versions	43	17	0	15	11	
7.2: Windows Installation	57	37	0	10	10	
7.3: Windows Activation	34	23	0	5	6	
7.4: Windows Post-Installation Configuration	55	44	0	5	6	
7.5: Web Browser Configuration	91	41	15	20	15	
7.6: Portable Windows Installations	39	23	5	5	6	
7.7: Windows Upgrade	34	20	0	5	9	
7.8: User Profile and Data Migration	67	54	0	5	8	
7.9: VHD Installation	55	32	5	5	13	
7.10: Client-Side Virtualization	83	56	15	5	7	
	Total	9:18	5:47	0:40	1:20	1:31
8.0: System Imaging						
8.1: System Images	86	57	0	15	14	
8.2: Image Deployment	27	17	0	5	5	
8.3: Image Servicing	61	42	0	10	9	
8.4: Provisioning Packages	53	41	0	5	7	

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	Total	3:47	2:37	0:00	0:35	0:35
9.0: Mobile Computing						
9.1: Mobile Device Management	61	50	0	5	6	
9.2: Virtual Private Network (VPN)	63	41	5	10	7	
9.3: DirectAccess	45	28	0	10	7	
9.4: BitLocker	73	41	5	15	12	
9.5: BitLocker To Go	26	16	0	5	5	
9.6: Mobile Device Security	56	39	5	5	7	
9.7: Power Management	57	34	10	5	8	
9.8: Mobility Options	97	63	5	15	14	
9.9: Mobile Networking	24	13	0	5	6	
9.10: Mobile Apps	31	20	0	5	6	
9.11: User Experience Virtualization	36	25	0	5	6	
	Total	9:29	6:10	0:30	1:25	1:24
10.0: System Monitoring and Maintenance						
10.1: System Tools	126	103	5	10	8	
10.2: System Events	70	48	0	10	12	
10.3: Performance Management	44	25	0	10	9	
10.4: Resource Monitoring	56	39	0	10	7	
10.5: Reliability and Performance Maintenance	36	25	0	5	6	
10.6: Optimization	58	38	5	5	10	
10.7: Remote Management	47	35	0	5	7	
10.8: Remote Desktop and Remote Assistance	76	45	10	10	11	
	Total	8:33	5:58	0:20	1:05	1:10
11.0: System Protection						

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11.1: System Updates	85	57	5	15	8
11.2: System Protection	58	34	5	5	14
11.3: System Backup	53	29	5	5	14
11.4: System Restore	58	32	10	5	11
11.5: File History	44	24	10	5	5
11.6: Recovery Environment	77	57	0	10	10
11.7: Malware Protection	93	60	5	20	8
Total	7:48	4:53	0:40	1:05	1:10
D.0: MS 70-680 Supplemental Material					
D.1: Windows 7 Upgrade	24	10	0	5	9
D.2: Windows 7 User Profile and Data Migration	30	23	0	5	2
D.3: Internet Connection Sharing (ICS)	15	6	0	5	4
D.4: BranchCache	33	14	0	10	9
D.5: Domain Image Deployment	36	16	0	10	10
D.6: Network Access Protection (NAP)	12	3	0	5	4
D.7: DirectAccess	34	17	0	10	7
D.8: Performance Monitoring	60	36	0	15	9
D.9: Update Deployment and Management	36	21	0	10	5
D.10: Application Restriction	61	41	0	10	10
D.11: Internet Explorer	70	39	0	20	11
D.12: Internet Options	43	18	0	15	10
D.13: Windows Defender	17	12	0	5	0
Total	7:51	4:16	0:00	2:05	1:30
Total Course Time 86:48					
Practice Exams					

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A.0: Client Pro Practice Exams	Number of Questions	Time
A.2: Client Pro Objective 1: Windows Installation and Configuration, All Questions	12	60
A.3: Client Pro Objective 2: Access, All Questions	13	65
A.4: Client Pro Objective 3: Applications and Services, All Questions	9	45
A.5: Client Pro Objective 4: Hardware, All Questions	8	40
A.6: Client Pro Objective 5: Storage, All Questions	14	70
A.7: Client Pro Objective 6: Networking, All Questions	8	40
A.8: Client Pro Objective 7: Printing, All Questions	3	15
A.9: Client Pro Objective 8: System Protection, All Questions	10	50
A.10: Client Pro Certification Practice Exam	18	90
Total	95	7:55
B.0: MS 70-698 Practice Exams	Number of Questions	Time
B.2: Objective 100. Implement Windows, All Questions	163	2:43
B.3: Objective 200. Configure and Support Core Services, All Questions	275	4:35
B.4: Objective 300. Manage and Maintain Windows, All Questions	179	2:59
B.5: 70-698 Certification Practice Exam	90	1:30
Total	707	11:47
C.0: MS 70-697 Practice Exams	Number of Questions	Time
C.2: Objective 100. Manage Identity, All Questions	70	1:10
C.3: Objective 200. Plan Desktop and Device Deployment, All Questions	53	0:53
C.4: Objective 300. Plan and Implement a Microsoft Intune Device Management Solution, All Questions	18	90

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C.5: Objective 400. Configure Networking, All Questions	89	1:29
C.6: Objective 500. Configure Storage, All Questions	50	0:50
C.7: Objective 600. Manage Data Access and Protection, All Questions	53	0:53
C.8: Objective 700. Manage Remote Access, All Questions	16	80
C.9: Objective 800. Manage Apps, All Questions	27	135
C.10: Objective 900. Manage Updates and Recovery, All Questions	72	1:12
C.11: 70-697 Certification Practice Exam	90	1:30
Total	538	13:02
E.0: MS 70-680 Practice Exams	Number of Questions	Time
E.2: Objective 100. Installing, Upgrading, and Migrating to Windows 7, All Questions	38	190
E.3: Objective 200. Deploying Windows 7, All Questions	53	0:53
E.4: Objective 300. Configuring Hardware and Applications, All Questions	53	0:53
E.5: Objective 400. Configuring Network Connectivity, All Questions	79	1:19
E.6: Objective 500. Configuring Access to Resources, All Questions	71	1:11
E.7: Objective 600. Configuring Mobile Computing, All Questions	69	1:09
E.8: Objective 700. Monitoring and Maintaining Systems that Run Windows 7, All Questions	84	1:24
E.9: Objective 800. Configuring Backup and Recovery Options, All Questions	31	155
E.10: 70-680 Certification Practice Exam	50	0:50
Total	528	13:24
Total Practice Exam Time 46:08		

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MISSION STATEMENT:

TMCC is committed to functioning as an autonomous Indian controlled college on the Turtle Mountain Chippewa Reservation focusing on general studies, undergraduate education, Career and Technical Education, scholarly research, and continuous improvement of student learning. By creating an academic environment in which the cultural and social heritage of the Turtle Mountain Band of Chippewa is brought to bear throughout the curriculum, the college establishes an administration, faculty, staff and student body exerting leadership in the community and providing service to it.

***This syllabus is subject to change at the discretion of the instructor.**

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