Order	Title	Text		Points Possible
	Purpose of the Assignment	This is the Capstone class for the CIT program of Ferris State University. The purpose of this course is to integrate the lessons from your courses at Ferris State. It is my intention to use the project in this course to create a near-rear-world setting in which seniors may develop an enterprise support infrastructure.		
	Partner(s)	Each student will need at least two (2) partners		
		Partners should not be co-located at the same campus (but due to the high number of students at the BR campus, this may be unavoidable for them) Partners may not mutually back up each other		
	Ferris Connect Bulletin board	A Discussion Board has been set up on Canvas for the class. It is available to students from all sections. It will not be graded by the course instructor. The purpose of the bulletin board is to allow students to communicate with each other in much the same way you will communicate with peers using		
	Goal	The outcome of this project should be a fully functioning, completely documented system. The system should be secure and provide disaster resiliency.		Points lost
	Methodology	Self-directed students working, communicating and organizing in a manner which will efficiently and effective lead to assignment completion.		Points out of

CITS 480 Spring 2023 Project Matrix

	Task	Assignment	Text	
	Create a Server Infrastructure	Create the necessary Windows Server 2016/2019/2022 servers to achieve the necessary balance of roles and functions.	Create the necessary Windows Server /2016/2019/2022 servers to achieve the necessary balance of roles and functions.	80.00
	Create an Active Directory Infrastructure	Create domains with at least 2 domain controllers. Synchroniize to an external time server. The domain name will be of the format: *FirstNameLastName* 2023480.com		100.00
	Create Active Directory Sites	Create at lest 2 sites in the domains (could be the location of the other domain controller).	This will require at least 2 sites. Set the sites to use slow or unreliable poling to reduce WAN traffic	150.00
	Create Organizational Units within the active directory structure	Minimum OUs: Accounting Customer Care Finance IT Sales Marketing HR Payroll Shipping	Create organizational units into which the employee accounts will be placed.	40.00
	Create user accounts	Set up accounts for 100 users. Ensure that user have: Roaming profiles, so that the profile is available to the user regardless of the computer used for authorized log- on/domain access. Utilze the 4 methods (GUI, CSV, LIFDE, and Powershell)		50.00
	Create a shared folder infrastructure	Allow each user: 4MB for personal shared space 2MB for Public Space 2MB for Group shared space (if the user is a member of a group needing to share files)		75.00
	Create an account for the instructor	Provide an account name and password to the instructor on the 3rd meeting.	Submit a PDF with at least the following information:your name, class location, day of the week, and the instructor credentials as detailed in the assignment in Canvas.	10.00
	Secure Communications	Use IPSec to secure communications between sites		50.00
	Enable Shadow Copies			10.00
	Create file screens and quotas			50.00
	Monitor Active Directory			50.00
	Create a Certificate Infrastructure	Ensure that Enterprise certificate services are available Allow users to auto-enroll	Ensure that the root server does not need to be on-line.	100.00
	Create user computers for Enterprise Deployment of Windows 8.1, Windows 10 and Windows 11			50.00
	Distribute software via GPO to be installed when a user from the approved group logs onto an approved computer.	VLC – for marketing only GIMP for Marketing use only Sumatra PDF viewer for IT, Sales and Payroll Brave Browser - all personnel Libre Office/Open Office - all personnel		100.00
	Set Branch Cache / Off-line Files	Allow branch cache for the remote site. Allow off-line files for users.		75.00
	Delegate tasks	Create accounts/passwords to receive the following Delegated tasks: Backup Performance Site Administration		10.00
	Perform Server Administration	Monitor the following for all servers: Event Viewer – create custom views Create Windows event collector sets	Maintain the safety/security/integrity of the data	50.00
	Monitor network performance	Use the currently supported free network monitoring tool from Microsoft to monitor network performance across the network.		50.00
	Ensure viable Windows Update	Use WSUS to approve updates for all servers and Windows Machines in the domain		75.00
P	Create a Partner contract/Service Level Agreement(SLA)		Create a document detailing what you and your partner will do, deliverable(s), dates, penalties, and non-compliance procedures. There can be arbitration (The course instructor will not arbitrate). You can penalize each other a portion of the grade coming from your portion of the project.	75.00

	(Optional) Create a Class Level SLA			0.00
	Authenticate access	Use Kerberos for authentication		
D/P	Create a Business Continuity plan with your Partner(s)	Develop a method for backup/recovery in the event of an emergency or data loss. Develop a plan to ensure that critical functions are recovered in the appropriate order. Detail the likelihood of various disasters, and how to recover from them.	100/100	100.00
P	Implement/test the Business Continuity Plan submitted by your partner	Implement the plan to recover from the disaster scenario chosen by your partner to ensure that critical functions are recovered in the appropriate order. Detail the reasons for the disaster you chose to recover from and how the recovery went.		100.00
D/P	Implement/test the Business Continuity Plan you submitted to your partner	Choose a disaster and implement the recovery plan for that disaster to ensure that critical functions are recovered in the appropriate order. Detail the reasons for the disaster you chose to recover from and how the recovery went.	100/100	100.00
	Manage OS Logs	The OS Logs should document the steps taken to create your system set-up. The information in the logs (and your comments) should be sufficient to re-create your Enterprise Environment.	Log all actions in the creation of the site. This will include (but is not limited to): System Start up / shut down Steps to create server services/roles/function Actions/commands to customize the environment	
	Document the Process	Create user documentation, Administrator documentation and other documents/plans to allow another individual/group to create/maintain/backup your system.	- Document what did not work, and why it was not successful. - Create complete user documentation to enable an end user (non-administrator) to work with and understand your system (to include an acceptable use policy) - Create Administrator documentation sufficient to allow for the creation, maintenance and disaster recovery of your system (including logs). - Create a network map of your system - Secure your passwords and keys, and document their recovery. - Maintain written/computerized time logs of time spent on the project. - Maintain a document with all correspondences, including with your partner. - Create and maintain other documentation sufficient to ensure that business continuity is adversely impacted by lack of system information regarding your system.	650.00
				with 675 for documentation