## 1. ACTION DESIRED (check one):
- Trial Course
- New Course  
  **X**

## 2. COURSE IDENTIFICATION
- Dept: CITS  
- Course #: 212  
- No. of Credits: 3

### Justify upper/lower division status & number of credits:

This course will provide students with an understanding of server operating systems in a client/server network environment. This course would be appropriate for students who are entering their first or second semester of the IT Specialist associate degree program.

Approximately the following amount of instructional time will be delivered in each of the following major topic areas (Note: the terminology used in the following list is generic language and will not necessarily match perfectly with the topics language used on the sample syllabus being submitted with this new course form):

- **Windows Server Editions,** .5 hrs.;
- **Installation and Post Installation Procedures,** 1.5 hrs.;
- **Domain Controllers and Active Directory (AD),** 1.5 hrs.;
- **Microsoft Management Console (MMC) Administrative Tools and Snap-ins,** 1.5 hrs.;
- **Remote Desktop and Remote Desktop Administration,** 1 hr.;
- **Server Monitoring Practices,** 1 hr.;
- **Managing and Utilizing Event Logs and Event Types,** 1.5 hrs.;
- **Real-time Monitoring of Applications and Processes,** 2 hrs.;
- **Server Backups, Backup Strategies and Backup Security,** 3 hrs.;
- **Shadow Copy Services,** 1 hr.;
- **System State and Active Directory Database Backups,** 1 hr.;
- **Maintaining and Updating Server Operating Systems,** 1.5 hrs.;
- **Microsoft Baseline Security Analyzer (MBSA),** .5 hrs.;
- **Windows Software Update Server (WSUS),** 1.5 hrs.;
- **Client Access Licenses (CALs) and CAL Administration,** .5 hrs.;
- **Local and Domain User Accounts,** 3 hrs.;
- **Local, Roaming, and Mandatory User Profiles,** .5 hrs.;
- **Monitoring and Troubleshooting User Authentication,** .5 hrs.;
- **Local and Domain Groups,** 2.5 hrs.;
- **Domain Function Levels,** .5 hrs.;
- **Understanding, Creating, and Managing Computer Accounts,** 1.5 hrs.;
- **Joining a Client Computer to the Domain,** .5 hrs.;
- **Access Control List (ACL), Access Control Entries (ACEs), and Permissions,** .5 hrs.;
- **Inheritance and Effective Permissions,** .5 hrs.;
- **Creating and Managing Network Shares,** 1.5 hrs.;
- **NTFS Security Permissions and Resource Ownership,** .5 hrs.;
- **Printer Servers and Printer Terminology,** 1 hr.;
- **Sharing and Connecting to Shared Printers,** 1 hr.;
- **Monitoring and Troubleshooting Printers,** .5 hrs.;
- **Device Drivers,** 1.5 hrs.;
- **Device Driver Maintenance Strategies and Management Tools and Utilities,** 1 hr.;
- **Updating, Rolling Back, and Troubleshooting Devices and Drivers,** .5 hrs.;
- **Server Standard and Redundant Disk Storage,** 2 hrs.;
- **Installing Disks and Creating Partitions and Volumes,** .5 hrs.;
- **Managing and Troubleshooting Disks,** .5 hrs.

## 3. PROPOSED COURSE TITLE:

**Server Operating Systems**

## 4. CROSS LISTED?  
- **YES/NO**  
- No  
  - If yes, Dept: NA  
  - Course #: NA

(Requires approval of both departments and deans involved. Add lines at end of form for such signatures.)

## 5. STACKED?  
- **YES/NO**  
- No  
  - If yes, Dept: NA  
  - Course #: NA
6. **FREQUENCY OF OFFERING:**
   As Demand Warrants
   (Every or Alternate) Fall, Spring, Summer — or As Demand Warrants

7. **SEMESTER & YEAR OF FIRST OFFERING**
   (if approved)
   Fall 2009

8. **COURSE FORMAT:**
   NOTE: Course hours may not be compressed into fewer than three days per credit. Any course compressed into fewer than six weeks must be approved by the college or school's curriculum council. Furthermore, any core course compressed to less than six weeks must be approved by the core review committee.

   **COURSE FORMAT:**
   (check one)
   1  2  3  4  5  X  6 weeks to full semester

   OTHER FORMAT (specify) NA

   Mode of delivery (specify lecture, field trips, labs, etc)
   Lecture

9. **CONTACT HOURS PER WEEK:**
   3 LECTURE hours/weeks
   0 LAB hours/week
   0 PRACTICUM hours/week

   Note: # of credits are based on contact hours. 800 minutes of lecture=1 credit. 2400 minutes of lab in a science course=1 credit. 1600 minutes in non-science lab=1 credit. 2400-4800 minutes of practicum=1 credit. 2400-8000 minutes of internship=1 credit. This must match with the syllabus. See http://www.uaf.edu/uafgov/faculty/cd/credits.html for more information on number of credits.

   OTHER HOURS (specify type) NA

10. **COMPLETE CATALOG DESCRIPTION** including dept., number, title and credits (50 words or less, if possible):

    **CITS F212**  **Server Operating Systems**
    3 Credits  Offered As Demand Warrants
    This course teaches students how to install, configure and maintain server operating systems. Students will learn how to configure and administer network accounts, resources, and common services deployed on server operating systems. **Prerequisite:** CITS F201 and F202, or CITS F203 or instructor approval. Recommended: CITS F204 or F241 or equivalent skills. (3+0)

11. **COURSE CLASSIFICATIONS:** (undergraduate courses only. Use approved criteria found on Page 10 & 17 of the manual. If justification is needed, attach on separate sheet.)

    | H = Humanities | N = Natural Science | S = Social Sciences |
    |----------------|---------------------|--------------------|

    Will this course be used to fulfill a requirement for the baccalaureate core? YES  X  NO

    IF YES, check which core requirements it could be used to fulfill:

    O = Oral Intensive, Format 6  W = Writing Intensive, Format 7  Natural Science, Format 8
### 12. COURSE REPEATABILITY:

<table>
<thead>
<tr>
<th>Is this course repeatable for credit?</th>
<th>YES</th>
<th>NO</th>
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<tr>
<td>Justification: Indicate why the course can be repeated (for example, the course follows a different theme each time).</td>
<td>NA</td>
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<tr>
<td>How many times may the course be repeated for credit?</td>
<td>NA</td>
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<tr>
<td>If the course can be repeated with variable credit, what is the maximum number of credit hours that may be earned for this course?</td>
<td>NA</td>
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### 13. GRADING SYSTEM:

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<th>LETTER:</th>
<th>PASS/FAIL:</th>
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### 14. PREREQUISITES

CITS F201 and F202, or CITS F203 or instructor approval

These will be required before the student is allowed to enroll in the course.

**RECOMMENDED**

CITS F204 or F241 or equivalent skills

Classes, etc. that student is strongly encouraged to complete prior to this course.

### 15. SPECIAL RESTRICTIONS, CONDITIONS

None

### 16. PROPOSED COURSE FEES

None

### 17. PREVIOUS HISTORY

**Has the course been offered as special topics or trial course previously?** Yes/No

Yes

**If yes, give semester, year, course #, etc.:**

The topics in this new course proposal have been offered on a consistent basis over the last several years through the topics class CIOS 212 Advanced Microcomputer Operating Systems. Because this course topic is being delivered on a consistent basis and because this course will now serve as a required course for the Network and System Administration concentration of the IT Specialist program, we are recommending and proposing that the course topic be delivered through a distinct course number.

### 18. ESTIMATED IMPACT

**WHAT IMPACT, IF ANY, WILL THIS HAVE ON BUDGET, FACILITIES/SPACE, FACULTY, ETC.**

The topics within this class will no longer be taught through the topics class of CIOS 212 and faculty currently teaching this topic through CIOS 212 will instead be assigned to teach this topic through this new designator and course number; therefore it is not anticipated that the addition of this course will have any impact on budget, facilities/space, or faculty resources.

### 19. LIBRARY COLLECTIONS

Have you contacted the library collection development officer (fjklj@uaf.edu, 474-6695) with regard to the adequacy of library/media collections, equipment, and services available for the proposed course? If so, give date of contact and resolution. If not, explain why not.

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<th>No</th>
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<th>X</th>
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Karen Jensen, the collection development officer for the library, was contacted by email on 9/29/2008. We don’t anticipate the need for any
20. IMPACTS ON PROGRAMS/DEPTS
What programs/departments will be affected by this proposed action?
Include information on the Programs/Departments contacted (e.g., email, memo)

ITS. All CRCD CIOS faculty from the following campus have been contacted regarding this change:
IAC, KuC, NWC, TVC.

21. POSITIVE AND NEGATIVE IMPACTS
Please specify positive and negative impacts on other courses, programs and departments resulting from the proposed action.

Positive Impacts: This course will serve as a required course for the Network and System Administration concentration of the IT Specialist A.A.S. degree program. The content of this course serves as a foundation course for the system administration course series that makes up the Network and System Administration concentration. In addition to serving as a foundation course, we believe that offering this course through a distinct course number, rather than a topics course will provide more clarity to the current offerings for IT Specialist students, advisors and the UAF graduation office, and that offering this course through a distinct course number is more appropriate than continuing to offer it through a topics class.

JUSTIFICATION FOR ACTION REQUESTED
The purpose of the department and campus-wide curriculum committees is to scrutinize course change and new course applications to make sure that the quality of UAF education is not lowered as a result of the proposed change. Please address this in your response. This section needs to be self-explanatory. Use as much space as needed to fully justify the proposed course.

Over the past nine month faculty within the IT Specialist program have been actively collaborating and seeking input from our community advisory council, recent graduates, and the UAF Computer Science department with the goal of streamlining and improving the educational opportunities provided through the certificate and associate degree programs. One of the significant outcomes of this process was the decision to offer three concentrations that will enable students to develop a comprehensive and an in-depth set of skills and knowledge within a specific area of information technology; rather than a less comprehensive set of skills and knowledge over a broader range of information technology areas.

As was mentioned under item 21, this course will serve as a required course for the Network and System Administration concentration of the IT Specialist A.A.S. degree program and the topics delivered through this course will serve as a foundation for the system administration course series that makes up this concentration. Also, employers hiring individuals to provide technical support in a network environment expect our graduates to possess an understanding of how to setup and administer server operating systems and have a general knowledge of how basic network services are implemented. The addition of this course will enable the IT Specialist degree program to better prepare students to meet these employer expectations.
### APPROVALS: SIGNATURES ON FILE AT THE GOVERNANCE OFFICE

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<thead>
<tr>
<th>Signature, Chair, Program/Department of:</th>
<th>Date</th>
<th>10/6/2008</th>
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<tbody>
<tr>
<td>IT Specialist Program</td>
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<th>Signature, CRCD Division Coordinator for:</th>
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<td>Business Systems Technology</td>
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<th>Signature, Chair, College/School Curriculum Council for:</th>
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<td>College of Rural and Community Development</td>
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Signature of Provost (if applicable)

Offerings above the level of approved programs must be approved in advance by the Provost.

### ALL SIGNATURES MUST BE OBTAINED PRIOR TO SUBMISSION TO THE GOVERNANCE OFFICE

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<th>Signature, Chair, UAF Faculty Senate Curriculum Review Committee</th>
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### ADDITIONAL SIGNATURES: (If required)

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ATTACH COMPLETE SYLLABUS (as part of this application).
Note: syllabus must follow the guidelines discussed in the Faculty Senate Guide http://www.uaf.edu/uafgov/faculty/cd/syllabus.html.
The department and campus wide curriculum committees will review the syllabus to ensure that each of the items listed below are included. If items are missing or unclear, the proposed course change will be denied.

SYLLABUS CHECKLIST FOR ALL UAF COURSES
During the first week of class, instructors will distribute a course syllabus. Although modifications may be made throughout the semester, this document will contain the following information (as applicable to the discipline):

1. Course information:
   - Title, number, credits, prerequisites, location, meeting time 
     (make sure that contact hours are in line with credits).

2. Instructor (and if applicable, Teaching Assistant) information:
   - Name, office location, office hours, telephone, email address.

3. Course readings/materials:
   - Course textbook title, author, edition/publisher.
   - Supplementary readings (indicate whether required or recommended) and any supplies required.

4. Course description:
   - Content of the course and how it fits into the broader curriculum;
   - Expected proficiencies required to undertake the course, if applicable.
   - Inclusion of catalog description is strongly recommended, and 
   - Description in syllabus must be consistent with catalog course description.

5. Course Goals (general) and Student Learning Outcomes (more specific)

6. Instructional methods:
   - Describe the teaching techniques (e.g.: lecture, case study, small group discussion, private instruction, studio instruction, values clarification, games, journal writing, use of Blackboard, audio/video conferencing, etc.).

7. Course calendar:
   - A schedule of class topics and assignments must be included. Be specific so that it is clear that the instructor has thought this through and will not be making it up on the fly (e.g. it is not adequate to say “lab”. Instead, give each lab a title that describes its content). You may call the outline Tentative or Work in Progress to allow for modifications during the semester.

8. Course policies:
   - Specify course rules, including your policies on attendance, tardiness, class participation, make-up exams, and plagiarism/academic integrity.

9. Evaluation:
   - Specify how students will be evaluated, what factors will be included, their relative value, and 
   - how they will be tabulated into grades (on a curve, absolute scores, etc.)

10. Support Services:
    - Describe the student support services such as tutoring (local and/or regional) appropriate for the course.

11. Disabilities Services:
The Office of Disability Services implements the Americans with Disabilities Act (ADA), and insures that UAF students have equal access to the campus and course materials.
    - State that you will work with the Office of Disabilities Services (203 WHIT, 474-7043) to provide reasonable accommodation to students with disabilities.
Course Syllabus
CITS F212 Server Operating Systems
University of Alaska Fairbanks

Course Information
Course Number-Section, Title: CITS F212 TE1 Server Operating Systems
Number of Credits: 3.0
Prerequisite: CITS F201 and F202, or CITS F203 or instructor approval
Recommended: CITS F204 or F241 or equivalent skills.
Class Location: UAF Downtown Center, Room 210
Meeting Days & Time: Thursday, 6:00-9:00 PM, 9/4 – 12/18.
This course will consist of one 3-hour class lecture delivered to students once a week for 14 weeks. Students can expected to spend an additional six to nine hours per week outside of scheduled classroom lecture studying lecture material, completing reading assignments and homework. A final exam will be given during the 15th week.

Instructor Information
Name: Keith Swarner
Office Location: UAF Downtown Center, 510 Second Ave, Fairbanks AK, room 210B
Office Hours: 2:00 pm – 4:30 pm Monday, Tuesday and Thursday or by appointment
Telephone: 455-2820
Email: keith.swarner@uaf.edu

Course Readings/Materials
Required textbook/materials:
Title: Managing and Maintaining a Microsoft Windows Server 2003 Environment (70-290)
Author(s): Craig Zacker
Publisher: Microsoft Press
ISBN: 0-07-294487-0

Recommended textbook/materials: None

Course Description
This course teaches students how to install, configure and maintain server operating systems. Students will learn how to configure and administer network accounts, resources, and common services deployed on server operating systems.

Course Goals
Upon successful completion of this course, the student will be able to define, explain, or perform tasks related to the following:
1. Server operating system installation and configuration
2. Server administration, monitoring, and maintenance
3. Centralized management of server environments
4. Managing and maintaining user, group, and computer accounts
5. Managing access to network resources
6. Securing server operating systems
7. Data storage and disaster recovery
8. Managing, maintaining and troubleshooting hardware and hardware issues
Student Learning Outcomes
Upon successful completion of this course, the student will be able to:

1. Identify the key differences among the Windows Server editions
2. Identify the logical components and concepts of Active Directory
3. Install Windows Server and create a domain controller
4. Understand Per Server and Per Device or Per User licensing modes and configure licenses using the Choose Licensing Mode tool in Control Panel and the Licensing administrative tool

5. Use the Event Viewer to monitor system logs
6. Configure Task Manager to display performance data and to start and end applications and processes
7. Use the Performance console to display real-time performance data and create counter logs and alerts

8. Create and use MMC consoles
9. Configure a server to enable Remote Desktop for Administration and Remote Assistance

10. Understand the differences between local user accounts and domain user accounts
11. Plan, create, and manage local and domain user accounts
12. Understand the differences between local, roaming, and mandatory profiles
13. Identify the two group types and three group scopes and their proper use
14. Create, manage, and delete groups

15. Create, manage, and troubleshoot computer objects

16. Create and manage file system shares and work with share permissions
17. Use NTFS file system permissions to control access to files
18. Manage file sharing using Microsoft Internet Information Services (IIS)

19. Deploy service packs and hotfixes using Windows Update, Automatic Updates, group policies, and Microsoft Software Update Services
20. Integrate service packs and hotfixes into a Windows Server operating system installation
21. Use Microsoft Baseline Security Analyzer

22. Understand disk-storage concepts and terminology
23. Add storage to a Windows Server computer
24. Manage disks using Check Disk, Disk Defragmenter, and Disk Quotas
25. Understand the capabilities of network backup software products, including the Windows Server Backup program
26. Understand the difference between full, incremental, and differential backup jobs
27. Back up and restore an Active Directory database
28. Use volume shadow copies

29. Understand the model and terminology used for Windows printing
30. Install and manage a logical printer on a print server
31. Install and manage device drivers
32. Troubleshoot printer failures
Instructional Methods
This course teaches students through lectures, demonstrations, instructor-led discussions and project-based learning. Students are expected to complete required reading assignments prior to each lecture. Students are expected to complete assigned homework during the week that follows that topic’s lecture and to arrive prepared to discuss homework at the beginning of the following week’s class.

Course Policies
Attendance: You are expected to attend classes regularly; unexcused absences may result in a failing grade. You are responsible for coordinating absences and the possibility of arranging to make up missed work with the instructor prior to the absence.

If an unforeseen circumstance prevents you from attending class you are expected to contact the instructor via email or phone prior to the start of the next class.

If you are required to participate in either (a) military or (b) UAF-sponsored activities that will cause you to miss class, you must notify your instructor as soon as possible of your absence. You must notify your instructor of all scheduled UAF-required absences for the semester (e.g., travel to athletic events) during the first week of classes.

Late Assignments: Late assignments will not be accepted unless arranged with the instructor.

Missed Exams: There will be no opportunity to make up exams except for pre-arranged absences with the instructor. Make-up exams must be completed prior to the next class meeting from which the exam was given.

Important Dates: Check the UAF Academic Calendar for important dates related to fee payment, class registration and last day to drop courses. The calendar can be viewed online at: http://www.uaf.edu/catalog/current/acad_calendar.html

Plagiarism/Academic integrity: Plagiarism and cheating are serious offenses and may result in failure on exams, papers, projects, or the course.

Support Services
The TVC Student Assistance and Advising Center provides services that contribute to a successful learning experience and transition to a career. TVC Student Assistance and Advising Center staff recognizes the unique concerns of adult and returning students. Services include pre-admission advising, academic assessment and placement advising, financial aid information and application, and assistance with choosing a major. Students can receive ongoing academic advising, degree planning and assistance with course selections.

Services are available by appointment and on a walk-in basis. Appointments can be scheduled by calling 455-2800 or students can go to the UAF Tanana Valley Campus Center, 604 Barnette Street, room 110.

Disability Services
The UAF Office of Disability Services implements the Americans with Disabilities Act (ADA), and insures that UAF students have equal access to the campus and course materials. The instructor will work the Office of Disability Services to provide reasonable accommodations to students with disabilities that have been documented through the UAF Office of Disability Services. Information about available services is available online at http://www.uaf.edu/disability/. The office can be reached by phone at 474-7043 or students can go to 203 WHIT on the UAF main campus.
**Evaluation:**

Final grades are calculated from the points earned in the following areas:

**Chapter Homework** .............................................................................................................. 10%

The purpose of these assignments is to provide an opportunity to complete and receive regular instructor feedback on course topics that will be assessed on mid-term and final exams. The tasks and questions in each homework assignment are based on textbook, supplemental reading and activities in the Textbook and Other Activities folder listed for each chapter on the Blackboard class site.

**Chapter Quizzes** .................................................................................................................... 20%

Chapter Quizzes are designed to reinforce and measure retention of information covered in reading assignments and in lecture. Chapter quizzes will be active on the class Blackboard site and must be completed outside of class the week following the class lecture for that chapter.

**Midterm Exam** ...................................................................................................................... 25%

The midterm exam will provide an assessment of the students use and retention of course material covered in weeks 1-5.

**Project** .................................................................................................................................... 15%

The course project will require students to implement a Windows Server 2003 server based on a given scenario. Students will need to ensure that the server is updated; create computer and group accounts; and securely share resources on the server. Also, based on the scenario, students will need to determine if additional services are required, and if so, install and configure those services.

**Final Exam** ............................................................................................................................. 30%

The Final Exam is a comprehensive assessment of the student’s use and retention of course material covered in weeks 1-14. Exam will consist of both short answer and scenario-based multiple choice questions designed to measure student competency in the student learning outcomes defined for this class.

Letter grades for the course will be determined as follows and will reflect the Grading System and Grade Point Average Computation policy stated in the current UAF Catalog.

<table>
<thead>
<tr>
<th>Grade</th>
<th>Percentage</th>
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<tr>
<td>A+</td>
<td>100–97%</td>
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<tr>
<td>A</td>
<td>96–93%</td>
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<td>A-</td>
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<td>B+</td>
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<td>D-</td>
<td>62–60%</td>
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<td>less than 60%</td>
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**Withdrawal** – Course withdrawals may be either student-initiated or faculty-initiated. A faculty-initiated withdrawal will be initiated if you don't meet prerequisites for a course or if you haven't participated substantially in the course. An attempt will be made to contact students prior to initiating a faculty-initiated withdrawal. It is the responsibility of the student to maintain current contact information (phone number and email address) within UA Online system.

**Incomplete** - An incomplete is a temporary grade used to indicate that the student has satisfactorily completed (C or better) the majority of work in a course but for personal reasons beyond the student’s control, such as sickness, has not been able to complete the course during the regular semester. An incomplete will only be assigned in a case when the student is current in the class until at least the last three weeks of the course. Negligence or indifference is not acceptable reasons for an “I” grade. If an incomplete assigned, it must be made up within one year or it will automatically be changed to an “F” grade.
Course Calendar:
The following course calendar provides a weekly schedule of major course topics, reading assignments, homework assignments, quizzes and exams. Students are expected to complete the reading assignment prior to the week in which the assignment is listed. Homework assignments are to be completed outside of schedule class time during the week after the course topic has been covered in class. Students should be prepared to discuss homework at the beginning of the following class.

Week 1 – Class 1
Reading Assignment: Chapter 1: Introducing Microsoft Windows Server 2003
Topics: Windows Server 2003 Editions; Installation Phases and Procedures; Post Installation Configuration; Creating Domain Controllers; Overview of Active Directory (AD) and AD Terminology
Chapter Homework: Homework Assignment 1
Chapter Quiz: Chapter 1 Quiz on Blackboard

Week 2 – Class 2
Reading Assignment: Chapter 2: Administering Microsoft Windows Server 2003
Topics: Overview of Microsoft Management Console (MMC); Using MMCs and the MMC Interface; Creating Custom MMCs; Connecting to Remote Computers through MMCs; Overview of Remote Desktop; Implementing Remote Desktop for Administration; Remote Assistance
Chapter Homework: Homework Assignment 2
Chapter Quiz: Chapter 2 Quiz on Blackboard

Week 3 – Class 3
Reading Assignment: Chapter 3: Monitoring Microsoft Windows Server 2003
Topics: Server Monitoring Practices – monitoring subsystems, establishing baselines; Event Viewer and Event Logs – types of logs, event types, managing and utilizing logs; Task Manager – managing and real-time monitoring of applications and processes; Performance Console – using System Monitor and Performance Logs and Alerts
Chapter Homework: Homework Assignment 3
Chapter Quiz: Chapter 3 Quiz on Blackboard

Week 4 – Class 4
Reading Assignment: Chapter 4: Backing Up and Restoring Data
Topics: Overview of Backup and Backup Strategies; Backup Hardware; Backup Software; Backup Job Types; Media Rotation Strategies; Backup Security; Performing Restores; Windows Server 2003 Shadow Copy; Backing up the Windows Server 2003 System State; Backing Up and Restoring Active Directory;
Chapter Homework: Homework Assignment 4
Chapter Quiz: Chapter 4 Quiz on Blackboard

Week 5 – Class 5
Reading Assignment: Chapter 5: Maintaining the Operating System
Topics: Overview of Service Packs and Hotfixes; Microsoft Baseline Security Analyzer (MBSA); Windows Update and Automatic Updates; Installing Service Packs and Hotfixes; Windows Software Update Server (WSUS); Overview of Client Access Licenses (CALS) and CAL Administration
Chapter Homework: Homework Assignment 5
Chapter Quiz: Chapter 5 Quiz on Blackboard
Week 6 – Class 6
Midterm Exam: The midterm exam will provide an assessment of the students use and retention of course material covered in weeks 1-5.

Week 7 – Class 7
Reading Assignment: Chapter 6: Working with User Accounts
Topics: Overview and Purpose of User Accounts; Local vs. Domain Accounts; Planning User Accounts; Creating and Managing User Accounts; Creating and Using Account Templates; Importing User Accounts; Local, Roaming and Mandatory User Profiles; Monitoring and Troubleshooting User Authentication; Automating User Account Management
Chapter Homework: Homework Assignment 6
Chapter Quiz: Chapter 6 Quiz on Blackboard

Week 8 – Class 8
Reading Assignment: Chapter 7: Working with Groups
Topics: Overview and Purpose of Groups; Domain Function Levels; Local Groups; Domain Groups; Group Scopes; Nesting Groups; Converting Groups; Windows Server 2003 Default Groups and Special Identities; Creating and Managing Groups and Group Membership; Automating Group Management
Chapter Homework: Homework Assignment 7
Chapter Quiz: Chapter 7 Quiz on Blackboard

Week 9 – Class 9
Reading Assignment: Chapter 8: Working with Computer Accounts
Topics: Overview and Purpose of Computer Accounts; Creating Computer Accounts; Joining a Client Computer to the Domain; Automating Computer Account Creation; Managing Computer Objects; Troubleshooting Computer Accounts
Chapter Homework: Homework Assignment 8
Chapter Quiz: Chapter 8 Quiz on Blackboard

Week 10 – Class 10
Reading Assignment: Chapter 9: Sharing File System Resources
Topics: Overview of Permissions – Access Control Lists (ACLs), Access Control Entries (ACEs) and Permissions; Inheritance and Effective Permissions; Types of Shares – administrative shares, shared folders, shared volumes, shared printers; Creating Shares – using Windows Explorer, using Shared Folders MMC Snap-in; using net.exe; Managing Shared Folders; Using NTFS Security Permissions – standard permissions and special permissions; Resource Ownership
Chapter Homework: Homework Assignment 9
Chapter Quiz: Chapter 9 Quiz on Blackboard
Week 11 – Class 11

**Reading Assignment:** Chapter 10: Working with Printers

**Topics:** Windows Server 2003 Printer Terminology – local printer, network-attached printer, and IP-based network printer; Creating a print server; Sharing a Printer; Connecting to a Shared Printer; Configuring Printer Properties and Permissions; Monitoring Printers; Troubleshooting Printers

**Chapter Homework:** Homework Assignment 10

**Chapter Quiz:** Chapter 10 Quiz on Blackboard

Week 12 – Class 12

**Reading Assignment:** Chapter 11: Managing Device Drivers

**Topics:** Overview and Purpose of Device Drivers; Device Drivers and Hardware Resources; Device Driver Maintenance Strategies; Driver Signing; Device Driver Management Tools and Utilities – add hardware wizard, device manager, control panel; Updating Drivers; Rolling Back Drivers; Troubleshooting Devices and Drivers

**Chapter Homework:** Homework Assignment 11

**Chapter Quiz:** Chapter 11 Quiz on Blackboard

Week 13 – Class 13

**Reading Assignment:** Chapter 12: Managing Disk Storage

**Topics:** Windows Server 2003 Disk Storage Overview – basic storage; and dynamic storage; Installing Disks; Creating Partitions and Volumes; System Volume and Boot Volume; Converting Basic Disks to Dynamic Disks; Creating Dynamic Disk Volumes; Managing Disks – assigning drive letters, formatting and partitioning volumes, extending volumes, check disk, disk defragmenter, disk quotas

**Chapter Homework:** Homework Assignment 12

**Chapter Quiz:** Chapter 20 Quiz on Blackboard

Week 14 – Class 14

**Project:** Students will work on the course project. Completed projects must be submitted to Blackboard prior to the start of Class 15.

The course project will require students to implement a Windows Server 2003 server based on a given scenario. Students will need to ensure that the server is updated; create computer and group accounts; and securely share resources on the server. Also, based on the scenario, students will need to determine if additional services are required, and if so, install and configure those services.

Week 15 – Class 15

**Final Exam:** The Final Exam is a comprehensive assessment of the student’s use and retention of course material covered in weeks 1-14. Exam will consist of both short answer and scenario-based multiple choice questions designed to measure student competency in the student learning outcomes defined for this class.