I. CATALOG INFORMATION
A. Discipline: COMPUTER NETWORKING SYSTEMS ENGINEERING (CNSE)
B. Subject Code and Number: CNSE M63
C. Course Title: Windows Server Enterprise Administrator
D. Credit Course units:
   Units: 3
   Lecture Hours per week: 2.5
   Lab Hours per week: 1.5
   Variable Units: No
E. Student Learning Hours:
   Lecture Hours:
   Classroom hours: 43.75 - 43.75
   Laboratory/Activity Hours:
   Laboratory/Activity Hours: 26.25 - 26.25
   Total Combined Hours in a 17.5 week term: 70 - 70
F. Non-Credit Course hours per week
G. May be taken a total of: X 1 □ 2 □ 3 □ 4 time(s) for credit
H. Is the course co-designated (same as) another course: No X Yes □
   If YES, designate course Subject Code & Number: _________
I. Course Description:
   Develops skills essential to the overall administration of the Information Technology (IT) environment and architecture. Translates business goals into technology decisions.
J. Entrance Skills
   *Prerequisite: No X Yes □ Course(s)
   __________
   *Corequisite: No X Yes □ Course(s)
   __________
   Limitation on Enrollment: No X Yes □
   __________
   Recommended Preparation: No □ Yes X Course(s)
   CNSE M42 or CNSE M43A or CNSE M31
   Other: No X Yes □
   __________
K. Other Catalog Information:
## II. COURSE OBJECTIVES

Upon successful completion of the course, a student will be able to:

<table>
<thead>
<tr>
<th></th>
<th>Methods of evaluation will be consistent with, but not limited by, the following types or examples.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Quizzes, midterms, and final exam; Classroom project work demonstrating competency in this area</td>
</tr>
<tr>
<td>2</td>
<td>Quizzes, midterms, and final exam; Classroom project work demonstrating competency in this area</td>
</tr>
<tr>
<td>3</td>
<td>Quizzes, midterms, and final exam; Classroom project work demonstrating competency in this area</td>
</tr>
<tr>
<td>4</td>
<td>Quizzes, midterms, and final exam; Classroom project work demonstrating competency in this area</td>
</tr>
<tr>
<td>5</td>
<td>Quizzes, midterms, and final exam; Classroom project work demonstrating competency in this area</td>
</tr>
<tr>
<td>6</td>
<td>Quizzes, midterms, and final exam; Classroom project work demonstrating competency in this area</td>
</tr>
<tr>
<td>7</td>
<td>Quizzes, midterms, and final exam; Classroom project work demonstrating competency in this area</td>
</tr>
<tr>
<td>8</td>
<td>Quizzes, midterms, and final exam; Classroom project work demonstrating competency in this area</td>
</tr>
</tbody>
</table>

1. plan for name resolution and IP addressing, internal and external naming strategy, naming resolution support for legacy clients, naming resolution for directory services, IP addressing scheme, TCP/IP version coexistence.

2. design for network access, network access policies, remote access strategy, perimeter networks, server and domain isolation.

3. plan for application delivery, application virtualization, presentation virtualization, locally installed software, web-based applications.

4. plan for Terminal Services, Terminal Services licensing, Terminal Services infrastructure.

5. design Active Directory forests and domains, forest structure, forest and domain functional levels, intra-organizational authorization and authentication, schema modifications.

6. design the Active Directory physical topology, placement of servers, site and replication topology, printer location policies.

7. design the Active Directory administrative model, delegation, group strategy, compliance auditing, group administration, organizational structure.

8. design the enterprise-level group policy strategy, group policy hierarchy and scope filtering, control device installation, authentication and authorization.
### COURSE CONTENT

<table>
<thead>
<tr>
<th>Estimated %</th>
<th>Topic</th>
<th>Learning Outcomes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lecture</td>
<td></td>
<td></td>
</tr>
<tr>
<td>25.00%</td>
<td>Planning network and application services</td>
<td>1, 2, 3, 4, 5, 11, 14, 15</td>
</tr>
<tr>
<td>25.00%</td>
<td>Designing core identity and access management components</td>
<td>6, 7, 8, 9</td>
</tr>
</tbody>
</table>
### IV. TYPICAL ASSIGNMENTS

#### A. Writing assignments

Writing assignments are required. Possible assignments may include, but are not limited to:

1. short answer class assignments.
2. research and write term papers on course-related topics.

#### B. Appropriate outside assignments

Appropriate outside assignments are required. Possible assignments may include, but are not limited to:

1. assigned readings from text and other sources.
2. assigned writings (see above section).
3. field observations of network administration.
4. assigned simulation from text.

#### C. Critical thinking assignments

Critical thinking assignments are required. Possible assignments may include, but are not limited to:

1. demonstrate skills through hands-on laboratories and class projects.
2. formulate in writing the troubleshooting lab problems.
3 conduct oral presentations that demonstrate critical thinking skills.

V. METHODS OF INSTRUCTION

Methods of instruction may include, but are not limited to:

- Distance Education – When any portion of class contact hours is replaced by distance education delivery mode (Complete DE Addendum, Section XV)
- Lecture/Discussion
- Laboratory/Activity
- Other (Specify) Demonstrations and discussion
- Optional Field Trips
- Required Field Trips

VI. METHODS OF EVALUATION

Methods of evaluation may include, but are not limited to:

- Essay Exam
- Problem Solving Exam
- Objective Exams
- Classroom Discussion
- Reports/Papers/Journals
- Projects
- Participation
- Skill Demonstration
- Other (specify)

Hands-on demonstration

VII. REPRESENTATIVE TEXTS AND OTHER COURSE MATERIALS


VIII. STUDENT MATERIALS FEES

- No
- Yes

IX. PARALLEL COURSES

<table>
<thead>
<tr>
<th>College</th>
<th>Course Number</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Foothill College</td>
<td>CNET 75F</td>
<td>Windows Server 2008 Enterprise Administration</td>
<td>5</td>
</tr>
<tr>
<td>Santa Barbara City College</td>
<td>CIS 221</td>
<td>Windows Server Enterprise System Administration</td>
<td>4</td>
</tr>
<tr>
<td>Diablo Valley College</td>
<td>CNT 116</td>
<td>Implementing Windows Server Enterprise</td>
<td>3</td>
</tr>
</tbody>
</table>

X. MINIMUM QUALIFICATIONS

Courses in Disciplines in which Masters Degrees are not expected:
any bachelor’s degree and two years of experience and related Microsoft certification, or any
associate degree and six years of experience and related Microsoft certification.

XI. ARTICULATION INFORMATION
   A. Title V Course Classification:
      1. This course is designed to be taken either:
         □ Pass/No Pass only (no letter grade possible); or
         X □ Letter grade (P/NP possible at student option)

      2. Degree status:
         Either [ ] Associate Degree Applicable; or □ Non-associate Degree Applicable

   B. Moorpark College General Education:
      1. Do you recommend this course for inclusion on the Associate Degree General Education list?
         Yes: □ No: [ ] If YES, what section(s)?
            □ A1 - Natural Sciences - Biological Science
            □ A2 - Natural Sciences - Physical Science
            □ B1 - Social and Behavioral Sciences - American History/Institutions
            □ B2 - Social and Behavioral Sciences - Other Social Behavioral Science
            □ C1 - Humanities - Fine or Performing Arts
            □ C2 - Humanities - Other Humanities
            □ D1 - Language and Rationality - English Composition
            □ D2 - Language and Rationality - Communication and Analytical Thinking
            □ E1 - Health/Physical Education
            □ E2 - PE or Dance
            □ F - Ethnic/Gender Studies

   C. California State University (CSU) Articulation:
      1. Do you recommend this course for transfer credit to CSU?  Yes: [ ] No:

      2. If YES do you recommend this course for inclusion on the CSU General Education list?
         Yes: □ No: [ ] If YES, which area(s)?
            □ A1 □ A2 □ A3 □ B1 □ B2 □ B3 □ B4 □
            □ C1 □ C2 □ D1 □ D2 □ D3 □ D4 □ D5
            □ D6 □ D7 □ D8 □ D9 □ D10 □ E □

   D. University of California (UC) Articulation:
      1. Do you recommend this course for transfer to the UC?  Yes: □ No: [ ]

      2. If YES do you recommend this course for the Intersegmental General Education Transfer Curriculum (IGETC)?  Yes: □ No: [ ]
IGETC Area 1: English Communication
- English Composition
- Critical Thinking-English Composition
- Oral Communication

IGETC Area 2: Mathematical Concepts and Quantitative Reasoning
- Mathematical Concepts

IGETC Area 3: Arts and Humanities
- Arts
- Humanities

IGETC Area 4: Social and Behavioral Sciences
- Anthropology and Archaeology
- Economics
- Ethnic Studies
- Gender Studies
- Geography
- History
- Interdisciplinary, Social & Behavioral Sciences
- Political Science, Government & Legal Institutions
- Psychology
- Sociology & Criminology

IGETC Area 5: Physical and Biological Sciences (mark all that apply)
- Physical Science Lab or Physical Science Lab only (non-sequence)
- Physical Science Lecture only (non-sequence)
- Biological Science
- Physical Science Courses
- Physical Science Lab or Biological Science Lab Only (non-sequence)
- Biological Science Courses
- Physical Science Lab course
- First Science course in a Special sequence
- Second Science course in a Special Sequence
- Laboratory Activity
- Physical Sciences

IGETC Area 6: Language other than English
- Languages other than English (UC Requirement Only)
- U.S. History, Constitution, and American Ideals (CSU Requirement ONLY)
U.S. History, Constitution, and American Ideals (CSU Requirement ONLY)

XII. REVIEW OF LIBRARY RESOURCES

A. What planned assignment(s) will require library resources and use?

The following assignments require library resources:
Research using the Library's print and online resources on course-related topics in preparation for writing a term paper.

B. Are the currently held library resources sufficient to support the course assignment?

YES: [X] No: [ ]
If NO, please list additional library resources needed to support this course.

XIII. PREREQUISITE AND/OR COREQUISITE JUSTIFICATION

CNSE M63: Not Applicable

XIV. WORKPLACE PREPARATION

Required for career technical courses only. A career technical course/program is one with the primary goal to prepare students for employment immediately upon course/program completion, and/or upgrading employment skills.

Detail how the course meets the Secretary of Labor's Commission on the Achievement of Necessary Skills (SCANS) areas. (For a description of the competencies and skills with a listing of what students should be able to do, go to: http://www.ncrel.org/sdrs/areas/issues/methods/assessment/as7scans.htm)

The course will address the SCANS competency areas:

1. Resources: the students will identify, organize, plan and allocate resources through both the course work and application of theory to practice in the laboratory.

2. Interpersonal: the students will work with others for problem solving.

3. Information: the students will acquire and use information through a variety of assignments and practice applications.

4. Systems: the students will employ a variety of computer tools to complete projects or assess computer system problems.

5. Technology: the students will use modern technology to acquire the skills needed to prepare for a career.

The course also addresses the SCANS skills and personal qualities:

1. Basic Skills: the students will be required to read, perform limited mathematical operations, listen, and speak in this course.

2. Thinking Skills: the students will be required to think creatively, make decisions, solve problems, visualize, and know how to learn and to reason by satisfactorily completing the objectives of this course.

3. Personal Qualities: the students will be required to display responsibility, self-
management, integrity and honesty throughout course work and classroom exercises.

XV. DISTANCE LEARNING COURSE OUTLINE ADDENDUM

1. Mode of Delivery

☐ Online (course will be delivered 100% online)
☒ Online with onsite examinations (100% of the instruction will occur online, but examinations and an orientation will be scheduled onsite)
☒ Online/Hybrid (a percentage of instruction will be held online and the remaining percentage of instruction will be held onsite)
☐ Lab activities will be conducted onsite
☐ Televideo (Examinations and an orientation will be held onsite)
☐ Teleconference
☐ Other

2. Need/Justification

Improve general student access.

3. Describe how instructors teaching this course will ensure regular, effective contact with and among students.

On-site orientation, on-site testing, email, chat rooms, discussion boards. VCCCD supported course management system and other online delivery software.

4. Describe how instructors teaching this course will involve students in active learning.

Discussion boards. Other tools, online and PC resident, and forums will be used so that students can practice their skills as it applies to the course material. Through the course management system (CMS), materials will be made available online for download. Assessments for measuring understanding and student performance feedback will be made available through the CMS tools. Assignments, labs, and discussions will be available online.

5. Explain how instructors teaching this course will provide multiple methods of content representation.

All topics are available for research online and align with Microsoft Official Academic Course curriculum. Inclusion of videos and online discussion boards.

6. Describe how instructors teaching this course will evaluate student performance.

Quizzes, Homework, Labs, and Exams.

XVI. GENERAL EDUCATION COURSE OUTLINE ADDENDUM

CNSE M63: Not Applicable

XVII. STUDENT MATERIALS FEE ADDENDUM

CNSE M63: Not Applicable
XVIII. REPEATABILITY JUSTIFICATION TITLE 5, SECTION 55041
CNSE M63: Not Applicable

XIX. CURRICULUM APPROVAL
Course Information:
  Discipline: COMPUTER NETWORKING SYSTEMS ENGINEERING (CNSE)
  Discipline Code and Number: CNSE M63
  Course Revision Category: Outline Update

Course Proposed By:
  Originating Faculty: Edmond Garcia 01/10/2012
  Faculty Peer: Martin Chetlen 01/17/2012
  Curriculum Rep: Christine Aguilera 01/11/2012
  Department Chair: Martin Chetlen 01/17/2012
  Division Dean: Lisa Miller 01/10/2012

Approved By:
  Curriculum Chair: Mary Rees 02/08/2012
  Executive Vice President: Lori Bennett 02/09/2012
  Articulation Officer: Letrishia Mai 02/01/2012
  Librarian: Mary LaBarge 01/30/2012

Implementation Term and Year: Fall 2012

Approval Dates:
  Approved by Moorpark College Curriculum Committee: 02/07/2012
  Approved by Board of Trustees (if applicable): 
  Approved by State (if applicable): 