



Los Angeles Community College District

COURSE OUTLINE

(Replaces PNCR and Course Outline)

Section I: BASIC COURSE INFORMATION

OUTLINE STATUS: Course Update, 2007-2008

1. COLLEGE: Los Angeles Southwest

2. SUBJECT (DISCIPLINE) NAME¹: Electronics
(40 characters, no abbreviations)

3. COURSE NUMBER: 118

4. COURSE TITLE: Computer Network (Copper) Cabling

5. UNITS: 2

6. CATALOG COURSE DESCRIPTION -- Provide a description of the course, including an overview of the topics covered:

This practical, hands-on course provides key concepts and hands-on skills of copper cabling integrated data, voice, video and high-speed computer data transmission across networks and into today's fast world of computer networking systems of Ethernet and token-ring.

7. CLASS SCHEDULE COURSE DESCRIPTION -- Provide a brief description of the course, including an overview of the topics covered:

This practical, hands-on course provides key concepts and hands-on skills of copper cabling for integrated data, voice, video and high-speed computer data transmission across networks and into today's fast world of computer networking systems of Ethernet and token-ring.

8. INITIAL COLLEGE COURSE APPROVAL DATE: Fall 2001
COURSE OUTLINE APPROVAL DATE: 11/20/2007

9. UPDATES, IF EXISTING COURSE: (check all applicable boxes):

- Content Last Update: 2001-2002
Objectives Last Update: 2001-2002
College Specific Course Attributes/Data Elements Last Update:
Districtwide Course Attributes/Data Elements Last Update:
Other (describe) Last Update:

Change in Course Description

1 Underlined course attributes are the same for the course throughout the LACCD; all other course attributes are college specific.

10. CLASS HOURS:

	"Standard Hours" per Week (based on 18 weeks)	Total Hours per Term (hrs per week x 18)	Units
Lecture:	1	18	1
Lab/activity (w/ homework):			
Lab/activity (w/o homework):	3	54	1
Total	4	72	2

Note: The Carnegie Rule and Title 5, section 55002 sets forth the following minimum standards: 1 unit = 1 hour lecture per week, 2 hours homework per week; **OR** 2 hours per week of lab with homework; **OR** 3 hours of lab per week without homework. The hours per week are based on a standard 18-week calendar. Lecture also includes discussion and/or demonstration hours, laboratory includes activity and/or studio hours.

11. PREREQUISITES, COREQUISITES, ADVISORIES ON RECOMMENDED PREPARATION, and LIMITATION ON ENROLLMENT

Note: The LACCD's *Policy on Prerequisites, Corequisites and Advisories* requires that the curriculum committee take a separate action verifying that a course's prerequisite, co requisite or advisory is an "appropriate and rational measure of a student's readiness to enter the course or program" and that the prerequisite, co requisite or advisory meets the level of scrutiny delineated in the policy.

. Prerequisites: **None** (If Yes, complete information below)

Subject	Number	Course Title	Units	Validation Approval Date (official use only)

. Corequisite: **None** (If Yes, complete information below)

Subject	Number	Course Title	Units	Validation Approval Date (official use only)

. Advisories: **None** (If Yes, complete information below)

Subject	Number	Course Title	Units	Validation Approval Date (official use only)

12. OTHER LIMITATIONS ON ENROLLMENT (see Title 5, Section 58106 and Board Rule 6803 for policy on allowable limitations. Other appropriate statutory or regulatory requirements may also apply):

Because of lab stations, enrollment is currently limited to thirty (30).

Section II: COURSE CONTENT AND OBJECTIVES

1. COURSE CONTENT AND OBJECTIVES:

COURSE CONTENT AND SCOPE – Lecture : <i>If applicable, outline the topics included in the lecture portion of the course (outline reflects course description, all topics covered in class).</i>	Hours per topic	COURSE OBJECTIVES - Lecture (If applicable): Upon successful completion of this course, the student will be able to... (Use action verbs – see Bloom’s Taxonomy below for “action verbs requiring cognitive outcomes.”)
1. Current industry wide view of telecommunication, technology and growth with computer support	2	1. Evaluate a broad spectrum of computer networks covering cabling, communication and standards.
2. An overview of structured cabling for telephone, video, copper-linked, and wireless communication networks	4	2. Differentiate various cables, connectors and standards of outline dimensions.
3. A broad picture of structured wiring with coaxial, telephone, Cat 5 and Cat 6 copper cables for data communication and local-area networking including cabling for wireless network	2	3. Differentiate the concepts of voice, video and data transmission as they relate to high-speed communication
4. A perspective of cable installation as per TIA/EIA standards accepted by the Computer, telecom and electronic industries	4	4. Explain the concepts of cable testing methods as per the current standards of the telecom industry into the real fast world of computer networking of Ethernet and Token-ring.
5. Need for testing of voice, data and video cabling to the industry standards	3	SLOs: As a result of this learning experience, the student can
6. Key concepts of cable trouble-shooting tools widely used in the telecom industry	3	1. Distinguish the different kinds of cables used for voice, video and data transmission.
Total Lecture hours*	18	2. Sketch computer network topologies as practiced in today’s telecom industry

COURSE CONTENT AND SCOPE -- Laboratory : <i>If applicable, outline the topics included in the laboratory portion of the course (outline reflects course description, all topics covered in class).</i>	Hours per topic	COURSE OBJECTIVES - Laboratory (If applicable): Upon successful completion of this course, the student will be able to... (Use action verbs – see Bloom’s Taxonomy below for “action verbs requiring cognitive outcomes.”) ²
1. Cables and connectors used for telephone, video and high-speed computer data transmission	9	1. Construct different cables and connectors for high-speed data transmission.
2. The specs and standards of cables and connectors for cat 5 and cat 6 unshielded and shielded, twisted pair (UTP and STP) cables are reviewed.	12	2. Assemble cat 5 and cat 6 cables with connectors to form patch cables.
3. Network topologies, wiring rules, data flow, punch down blocks and testing	12	3. Create a small computer network with patch cables to allow computer -to – computer communication.

² In general “activity” courses or portions of courses are classified “laboratory.”

4. Cables for joining a cable to the connector to make a patch cable	21	SLOs: As a result of this learning experience, the student can: 1.Assemble a computer network using cables and connectors. 2.Test the small network for file and printer sharing and assess the process through actual demonstration
Total Lab hours*		54

*Total lecture and laboratory hours (which include the final examination) must equal totals on page 1.

Bloom's Taxonomy

SIMPLE SKILLS <<----->> COMPLEX SKILLS					
			Critical Thinking		
<u>Knowledge</u>	<u>Comprehension</u>	<u>Application</u>	<u>Analysis</u>	<u>Synthesis</u>	<u>Evaluation</u>
define repeat record list recall name relate underline	translate restate discuss describe recognize explain express identify locate report review tell	interpret apply employ use demonstrate dramatize practice illustrate operate schedule shop sketch	distinguish analyze differentiate appraise calculate experiment test compare contrast criticize diagram inspect debate inventory question relate solve examine categorize	compose plan propose design formulate arrange assemble collect construct create set up organize prepare	judge appraise evaluate rate compare value revise score select choose assess estimate measure

2. REQUIRED TEXTS:

Provide a representative list of textbooks and other required reading; include author, title and date of publication:

Data, Voice and Video Cabling (2nd Ed) by Haynes and Rosenberg, Thomson Learning (2006).

3. SUPPLEMENTARY READINGS:

Reading assignments may include, but are not limited to the following: N/A

None

4. WRITING ASSIGNMENTS:

Title 5, section 55002 requires grades to be “based on demonstrated proficiency in subject matter and the ability to demonstrate that proficiency, at least in part, by means of essays or, in courses where the curriculum committee deems them to be appropriate, by problem solving exercises or skills demonstrations by students.” Writing assignments in this course may include, but are not limited to the following:

Create a portfolio in a narrative format out of the key concepts and lab exercises on topics covered

5. REPRESENTATIVE OUTSIDE ASSIGNMENTS:

Out of class assignments may include, but are not limited to the following:

Create an indexed portfolio consisting of lab exercises of all the modules of this course.

6. REPRESENTATIVE ASSIGNMENTS THAT DEMONSTRATE CRITICAL THINKING:

Title 5, section 55002(a) requires that a degree-applicable course have a level of rigor that includes “critical thinking and the understanding and application of concepts determined by the curriculum committee to be at college level”. Critical thinking may include, but is not limited to analysis, synthesis, and evaluation. Provide examples of assignments that demonstrate critical thinking.

The student will be asked to sketch and analyze a classroom-sized network and demonstrate the process of copper cabling to connect 30 computers to form a small network

7. METHODS OF EVALUATION:

Title 5, section 55002 requires grades to be “based on demonstrated proficiency in subject matter and the ability to demonstrate that proficiency, at least in part, by means of essays, or, in courses where the curriculum committee deems them to be appropriate, by problem solving exercises or skills demonstrations by students.” Methods of evaluation may include, but are not limited to the following (please note that evaluation should measure the outcomes detailed “Course Objectives” at the beginning of Section II):

Quizzes (weekly), monthly tests, assignments related to concepts and lab work, comprehensive midterm and final exams.

8. METHODS OF INSTRUCTION:

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

- Lecture
- Discussion
- Laboratory
- Activity
- Field Experience
- Independent Study
- Other (explain)

9. SUPPLIES:

List the supplies the student must provide.

Cables, Connectors and USB Memory Sticks, Notebooks, Lab Books, Binders, and Folders

10. COMPUTER COMPETENCY:

If applicable, explain how computer competency is included in the course.

Basic computer literacy is included as CAI CD that comes with the textbook, supplied by the teacher, or both. The literacy part will include loading the CD, opening up the module and running the files of contents

11. INFORMATION COMPETENCY:

Information competency is the ability to find, evaluate use, and communicate information in all its various formats. It combines aspects of library literacy, research methods and technological literacy. Information competency includes consideration of the ethical and legal implications and requires the application of both critical thinking and communications skills. If applicable, explain how information competency is included in the course.

Students will gain technology literacy by assembling a computer network using cables and connectors

12. DIVERSITY:

If applicable, explain how diversity (e.g., cultural, gender, etc.) is included in the course.

A variety of teaching methodologies are used in order to serve a diversity of learning styles

13. SCANS COMPETENCIES (required for all courses with vocational TOP Codes; recommended for all courses):

SCANS (**S**ecretary's **C**ommission on **N**ecessary **S**kills) are skills the Department of Labor identified, in consultation with business and industry leaders, which reflect the skills necessary for success in the workplace. Check the appropriate boxes to indicate the areas where students will develop the following skills (please note that all SCANS competencies do not apply to all courses):

RESOURCES

Managing Time: Selecting relevant goal-related activities, ranking them in order of importance, allocating time to activities, and understanding, preparing and following schedules.

Managing Money: Using or preparing budgets, including making cost and revenue forecasts; keeping detailed records to track budget performance, and making appropriate adjustments.

Managing Material and Facility Resources: Acquiring, storing, allocating, and distributing materials, supplies, parts, equipment, space or final products in order to make the best use of them.

INTERPERSONAL

Participating as Member of a Team: Working cooperatively with others and contributing to group's efforts with ideas, suggestions and effort.

Teaching Others New Skills: Helping others learn needed knowledge and skills.

Exercising Leadership: Communicating thoughts, feelings, and ideas to justify a position, encouraging, persuading, convincing or otherwise motivating an individual or group, including responsibly challenging existing procedures, policies or authority.

Negotiating: Working toward agreement that may involve exchanging specific resources or resolving divergent interests.

Working with Cultural Diversity: Working well with men and women and with people from a variety of ethnic, social, or educational backgrounds.

INFORMATION

- Acquiring and Evaluating Information:** Identifying a need for data, obtaining the data from existing sources or creating them, and evaluating their relevance and accuracy.
- Organizing and Maintaining Information:** Organizing, processing and maintaining written or computerized records and other forms of information in a systematic fashion.
- Interpreting and Communicating Information:** Selecting and analyzing information and communicating the results of others, using oral, written, graphic, pictorial, or multimedia methods.
- Using Computers to Process Information:** Employing computers to acquire, organize, analyze and communicate information.

SYSTEMS

- Understanding Systems:** Understanding how social, organizational and technological systems work and being able to operate them effectively.
- Monitoring and Correcting Performance:** Distinguishing trends, predicting impacts of actions on system operations, diagnosing deviations in the functioning of a system/organization, and taking necessary steps to correct performance.
- Improving or Designs Systems:** Making suggestions to modify existing systems in order to improve the quality of products or services and developing new or alternative systems.

TECHNOLOGY

- Selecting Technology:** Evaluating sets of procedures, tools or machines (including computers and their programs) to produce the desired results.
- Applying Technology to Tasks:** Understanding overall intent and proper procedures for setting up and operating machines (including computers and their reprogramming systems).
- Maintaining and Troubleshooting Equipment:** Preventing, identifying, or solving problems with equipment, including computers and other technologies.

Section III: RELATIONSHIP TO COLLEGE PROGRAMS

1. THIS COURSE WILL BE AN APPROVED REQUIREMENT FOR AN APPROVED ASSOCIATE DEGREE OR CERTIFICATE PROGRAM: **Yes**

If yes, the course will be a **program requirement** of the "approved program" listed on the State Chancellor's Inventory of Approved Programs (approved programs can be found on the State Chancellor's Office website at <http://misweb.cccco.edu/esed/webproginv/prod/invmenu.htm>).

Requirement for Skill Certificate: Network Cabling Technician

NOTE: In order for a course to be approved as a requirement for an associate degree or certificate program, the program must be listed on the State Chancellor's Office *Inventory of Approved Programs* AND the course must be listed in the college catalog as either a requirement or an elective for the program. If course is not part of an approved program at the college adopting the course, it will be considered to be a "stand-alone" course, and is subject to the State Chancellor's approval criteria. The college must complete and submit the Chancellor's Office "APPLICATION FOR APPROVAL OF CREDIT" form. Certain courses are granted "blanket approval" by the State Chancellor's Office and do not require separate approval. See the Chancellor's Office *Program and Course Approval Handbook* for details. LACCD Skills **Certificates are not State approved programs** and are not listed on the Chancellor's Office *Inventory of Approved Programs*.

2. GENERAL EDUCATION REQUIREMENTS FOR THE ASSOCIATE DEGREE STATUS: N/A

a. Area requested: None date: N/A

If applicable, provide an explanation of how the course meets the General Education parameters for one of the five general education areas – *Natural Sciences, Social and Behavioral Sciences, Humanities, Language and Rationality, Health and Physical Education* -- contained in Board Rule 6201.14 -General Education Requirements.

a. 2nd Area requested: None date: N/A

If applicable, provide an explanation of how the course meets General Education parameters for an additional general education area – *Natural Sciences, Social and Behavioral Sciences, Humanities, Language and Rationality, Health and Physical Education* -- contained in Board Rule 6201.14 - General Education Requirements.

Section IV: ARTICULATION INFORMATION
(Complete in consultation with College Articulation Officer)

1. TRANSFER STATUS:

- a. Transferable to the University of California: : **No**
- b. UC **approval** date: **N/A**
- c. Transferable to the California State University: **No**
- d. College **approval** Date: **N/A**

2. GENERAL EDUCATION FOR TRANSFER: N/A

IGETC Certification:

- a. Area requested: **None**
- b. Date requested:
- c. IGETC **approval** date: **N/A**

If applicable, provide an explanation of how the course meets the appropriate General Education parameters, as defined in IGETC Certification Guidelines.

CSU Certification:

- a. Area requested: **None**
- b. Date requested:
- c. CSU **approval** date: **N/A**

If applicable, provide an explanation of how the course meets the appropriate General Education parameters, as defined in CSU Certification Guidelines.

- a. 2nd Area requested: **None**
- b. Date requested:
- c. IGETC **approval** date: **N/A**

If applicable, provide an explanation of how the course meets the appropriate General Education parameters, as defined in IGETC Certification Guidelines.

- a. 2nd Area requested: **None**
- b. Date requested:
- c. CSU **approval** date: **N/A**

If applicable, provide an explanation of how the course meets the appropriate General Education parameters, as defined in CSU Certification Guidelines.

3. MAJOR REQUIREMENT FOR TRANSFER – Will this course be articulated to meet lower division major requirements?

List college/university and the majors:

College/University	Major(s)
N/A	N/A

CAN NUMBER: CAN SEQUENCE NUMBER:

CAN Approval -- Date requested: Date approved:

Section V: SUPPLEMENTAL COURSE INFORMATION

1. **DEPARTMENT/DIVISION NAME:** Business

2. **DEPARTMENT/DIVISION CODE:** 03

3. **SUBJECT CODE** -- 3 characters, assigned by District Office: 346 (existing subject codes are available on the LACCD web site)

4. **SUBJECT ABBREVIATION** -- 7 characters, assigned by District Office: **ELECTRN**

5. **SPC CODE** -- 3 characters, assigned by District Office:

6. **ABBREVIATION FOR TRANSCRIPTS** -- 20 characters, assigned by District Office: **ELECTRN 118**

7. **DEGREE CREDIT:** Indicate whether the course meet the "standards for approval" for degree credit course set forth in Title 5, section 55002(a)(2), which requires the course to have a degree of intensity, difficulty, and vocabulary that the curriculum committee has determined to be at the college level :
This courses is **Degree Applicable**

8. **CREDIT/NO CREDIT GRADING:** **No**

9. **REPETITIONS** -- Number of times course may be repeated for credit (three maximum): **0, None**

How does the repetition of this course meet Title 5, section 58161 requirements? A course may be repeatable when, "course content differs each time it is offered, and that the student who repeats it is gaining an expanded educational experience for one of the following reasons: (A) Skills or proficiencies are enhanced by supervised repetition and practice within class periods; or (B) Active participatory experience in individual study or group assignments is the basic means by which learning objectives are obtained."

10. **PRIOR TO TRANSFERABLE LEVEL** – This course attribute applies to **English, writing, ESL, reading** and **mathematics** courses ONLY. If applicable, indicate how many levels below the transferable level this course should be placed:

Not applicable

11. **CREDIT BASIC SKILLS** -- Title 5, section 55502(d) defines basic skills as "courses in reading, writing, computation, and English as a Second Language, which are designated as non-degree credit courses pursuant to Title 5, section 55002(b)."

No If yes, course must be non-degree applicable

12. **CROSS REFERENCE** -- Is this course listed as equivalent in content to existing College/District courses in another discipline?

No If yes, list courses: (documentation of cross-discipline agreement must be provided)

13. **COURSE SPECIFICALLY DESIGNED FOR STUDENTS WITH DISABILITIES** -- Title 5, section 56029 allows a course to be repeatable when continuing success of the students with disabilities is dependent on additional repetitions of a specific class. Is this course designated as an "approved special class" for students with disabilities?

No

If yes, provide an explanation of how this course meets the requirements of Title 5, section 56029.

14. **COOPERATIVE EDUCATION STATUS** -- Title 5, section 55252 allows for two types of Cooperative Education: 1) General Work Experience Education -- i.e., supervised employment, which is intended to assist students in acquiring desirable work habits, attitudes and career awareness, which need not be related to the students' educational goals; or 2) Occupational Work Experience Education -- i.e., supervised employment, extending classroom based occupational learning at an on-the-job learning station, which is related to the students' educational or occupational goal. Is this course part of the college's approved cooperative work experience education program?

No

15. **COURSE CLASSIFICATION**: Occupational

Note: A course's Classification, TOP Code and SAM code must be aligned – e.g., Courses with an "Occupational" Course Classification must have an "Occupational" TOP Code **and** a SAM Code of A, B, C, or D; courses that do not have an "Occupational" Course Classification cannot have an Occupational TOP Code **and** must have an "E" SAM Code. Courses coded as "basic skills" in #11 should be coded "Adult and Secondary Basic Skills."

16. **TOP CODE – (6 digits XXXX.XX) 0934.00**

Course content should match discipline description in Taxonomy of Programs found at

17. **SAM CODE (Student Accountability Model)**: C – Clearly Occupational

SAM Codes (see CCC Chancellor's Office *Student Accountability Model Operations Manual*, 1984) should be assigned as follows:

Priority "A" – Apprenticeship: Courses designed for an indentured apprentice must have the approval of the State of California, Department of Industrial Relations Department, Division of Apprenticeship Standards.

Priority "B" – Advanced Occupational: Courses taken by students in the advanced stages of their occupational programs. Courses should be offered in one specific occupational area only. Priority letter "B" should be assigned sparingly; in most cases, no more than two courses in any one program should be labeled "B." "B"-level courses must have Priority "C" prerequisites in the same program area.

Priority "C" – Clearly Occupational: Courses generally taken by students in the middle stages of their programs should have a difficulty level sufficient to detract "drop-ins." Courses may be offered in several occupational programs within a broad area. The "C" priority, however, should also be used for courses within a specific program area when the criteria for "B" classification are not met. A "C"-level course should provide the student with entry-level job skills.

Priority "D" -- Possibly Occupational: "D" courses are those taken by students in the beginning stages of their occupational programs. The "D" priority can also be used for service (or survey) courses for other occupational programs.

Priority "E" -- Non-occupational.

SECTION VI: APPROVAL STATUS

1. APPROVAL STATUS:

- | | | |
|---|--|---------------------|
| a. New Course | Board Approval Date: | Effective Semester: |
| b. Addition of Existing District Course | College Approval Date: | Effective Semester: |
| c. Course Change* | College Approval Date: | Effective Semester: |
| d. <input checked="" type="checkbox"/> Outline Update | College Approval Date: 11/20/07 | |

* Changes to a course require the completion of a "Course Change Request" form and approval by the college's Curriculum Committee. In some cases districtwide approval is also required; see, Administrative Regulation E-65, section 3(c) for details.

SECTION VII: APPROVAL INFORMATION FOR NEW OR ADDED COURSES **N/A**

(complete in consultation with Department Chair and the appropriate Academic Administrator)

1. ORIGINATOR: Neil R. Mantena

2. DEPARTMENT: Business

3. IF THIS IS A NEW COURSE, INDICATE HOW THE COLLEGE PLANS TO MEET THE EXPENSE OF THIS COURSE: **N/A**

By additional funds. Describe:

By deleting courses from the college catalog and course database. List specific courses to be deleted:

Existing course

By deleting sections of existing courses. List courses and number of sections to be deleted:

First year: Second year: Third year:

By rotating sections of existing courses. List courses and number of sections to be rotated, as well as the semesters in which they will be offered:

4. **IMPACT** -- Will this course directly impact other course offerings and/or associate degree or certificate programs on campus? **NO**

(If yes, briefly explain how)

5. **METHOD OF SUPPORT** -- Indicate how the college plans to support the proposed course:

Additional staff -- List additional staff needed: **N/A**

Classroom -- List classroom type needed:

Classroom equipped with computers is already available

Equipment -- List new equipment needed and indicate funding source for any new equipment:

N/A

Supplies- List supplies and indicate dollar value:

\$500 annually for copper cables and connectors if available

Library/Learning Resources- The course initiator shall consult with the College Librarian and review the college library, book, periodical, and electronic resource collections relevant to this course. List additional titles and resources to be considered for purchase as funding permits:

10 book sets, \$45 each; Total \$450 dollars.....one-time cost if available

- 6. APPROPRIATENESS TO MISSION-** Describe how the objectives of the proposed course are consistent with the mission of the community colleges as established by the Legislature in the Education Code. The course should also be congruent with the mission statement of the local college and district.

Cabling program falls in line with the college mission of providing vocational (jobs) skills needed for underrepresented population of the South Central community.

- 7. NEED-** Demonstrate the need for the course that meets the stated objectives at this time, and in the region.

- 7.1 To provide job skills needed in the market place.
- 7.2 There is a good demand for network-related jobs.

LOS ANGELES COMMUNITY COLLEGE DISTRICT COURSE STANDARDS AND CRITERIA

Subject: **ELECTRN** Number: **118** Course Title: **Computer Network (Copper) Cabling**

Using the Official Course Outline, please determine whether or not the above listed credit course meets the following standards and criteria required in Title V, Part VI of the California Administrative Code, and which has been designated as appropriate to the Associate Degree. Place a (X) in the appropriate box.

STANDARDS FOR APPROVAL
Section 55002

RATING CRITERION
MET NOT MET

<u>STANDARDS FOR APPROVAL</u> Section 55002	<u>RATING CRITERION</u> MET	<u>RATING CRITERION</u> NOT MET
<u>Grading Policy:</u> The course provides for measurement of student performance in terms of the stated course objectives and culminates in a formal, permanently recorded grade based upon uniform standards in accordance with section 55023. The grade is based on demonstrated proficiency in subject matter and the ability to demonstrate that proficiency, at least in part, by means of essays, or, in courses where the curriculum committee deems them to be appropriate, by problem solving exercises or skills demonstrations by students.	X	
<u>Units:</u> The course grants units of credit based upon a relationship specified by the governing board between the number of units assigned to the course and the number of lecture and/or laboratory hours or performance criteria specified in the course outline. The course also requires a minimum of three hours of student work per week, including class time for each unit of credit, prorated for short-term, extended term, laboratory and/or activity courses.	X	
<u>Intensity:</u> The course treats subject matter with a scope and intensity that requires students to study independently outside of class time.	X	
<u>Prerequisites and Corequisites:</u> When the college and/or district curriculum committee determines, based on a review of the course outline of record, that a student would be highly unlikely to receive a satisfactory grade unless the student has knowledge or skills not taught in the course, then the course shall require prerequisites or corequisites that are established, reviewed, and applied in accordance with the requirements of this article.	X	
<u>Basic Skills Requirements:</u> If success in the course is dependent upon communication or computation skills, then the course shall require, consistent with the provisions of this article, as prerequisites or corequisites eligibility for enrollment in associate degree credit courses in English and/or mathematics, respectively.	X	
<u>Difficulty:</u> The course work calls for critical thinking and the understanding and application of concepts determined by the curriculum committee to be at college level.	X	
<u>Level:</u> The course requires learning skills and a vocabulary that the curriculum committee deems appropriate for a college course.	X	
<u>Course Outline of Record:</u> The course is described in a course outline of record that shall be maintained in the official college files and made available to each instructor. The course outline of record shall specify the unit value, the expected number of contact hours for the course as a whole, the prerequisites, corequisites or advisories on recommended preparation (if any) for the course, the catalog description, objectives, and content in terms of a specific body of knowledge. The course outline shall also specify types or provide examples of required reading and writing assignments, other outside-of-class assignments, instructional methodology, and methods of evaluation for determining whether the stated objectives have been met by students.	X	
<u>Conduct of Course:</u> Each section of the course is to be taught by a qualified instructor in accordance with a set of objectives and with other specifications defined in the course outline of record.	X	
<u>Repetition:</u> Repeated enrollment is allowed only in accordance with provisions of sections 51002, 55040-55043 and 58161.	X	

CERTIFICATION AND RECOMMENDATION

This course meets Title 5 requirements for Associate Degree applicable college credit towards an Associate of Arts Degree.

This course meets Title 5 requirements but does not satisfy the requirements for an Associate Degree applicable course.

We certify that the information and answers above properly represent this course.

<hr/> Neil Mantena Originator	<hr/> 03/12/2008 Date
<hr/> Carolyn Magee Department/Cluster Chairperson	<hr/> 03/20/2008 Date
<hr/> Linda Larson Singer Articulation Officer	<hr/> 04/02/2008 Date
<hr/> Shelley Werts Librarian	<hr/> 04/02/2008 Date
<hr/> Elmer Bug Dean (if applicable)	<hr/> 04/02/2008 Date
<hr/> Linda Larson Singer Curriculum Committee Chairperson	<hr/> 04/02/2008 Date
<hr/> Alfred Reed Academic Senate President	<hr/> 04/07/2008 Date
<hr/> Leige Henderson Vice President, Academic Affairs	<hr/> 04/08/2008 Date
<hr/> Jack E. Daniels College President	<hr/> 04/08/2008 Date