



District Technical Review Workgroup (DTRW)

Agenda December 8, 2011 - 1:00 p.m. Lakin Board Room

- **Approval of November 10, 2011 Meeting Notes**
- **Old Business**
 - BP/AP in order to change prerequisites on content review
CCLC Release: AP4260 (Mary Rees)

- **Ventura College Submissions**

New Courses

AUTO V46, Engine Performance, 3 units

Revised Courses

BIOL V01	Principles of Biology
BIOL V01L	Principles of Biology Laboratory
BIOL V31/BIOT V31	Introduction to Methods of Biotechnology and Molecular Biology
BIS V40 BUS V17	Computer Applications in Business
ENGL V07	Intermediate Reading Comprehension and Language Acquisition
ESL ENGM V10A	English Interactive Computer Assisted Language Learning I: Segment 1
ESL ENGM V10B	English Interactive Computer Assisted Language Learning II: Segment 2
ESL ENGM V10C	English Interactive Computer Assisted Language Learning III: Segment 3
ESL ENGM V10D	English Interactive Computer Assisted Language Learning IV: Segment 4
ESL ENGM V17A	Beginning English as a Second Language: Communications Skills I
ESL ENGM V17B	Intermediate English as a Second Language: Communications Skills II
ESL ENGM V18A	Intermediate English as a Second Language: Communicative Grammar I
ESL ENGM V18B	Intermediate English as a Second Language: Communicative Grammar II
ESL V19A ENGM V19A	Intermediate English as a Second Language: Interactive Pronunciation I Interactive Pronunciation I
ESL V19B ENGM V19B	Intermediate English as a Second Language: Interactive Pronunciation II Interactive Pronunciation II



ESL ENGM V20A	Beginning Oral Communication I 1A
ESL ENGM V20B	Beginning Oral Communication II 1B
ESL ENGM V21	Intermediate Oral Communication
ESL ENGM V22	Advanced Oral Communication
ESL ENGM V30A	Beginning Reading and Vocabulary I 1A
ESL ENGM V30B	Beginning Reading and Vocabulary II 1B
ESL ENGM V31	Intermediate Reading and Vocabulary 2
ESL ENGM V32	Advanced Reading and Vocabulary
ESL ENGM V40A	Beginning Writing and Grammar I
ESL ENGM V40B	Beginning Writing and Grammar II
ESL ENGM V41	Intermediate Writing and Grammar
ESL ENGM V42	Advanced Writing and Grammar
ESL ENGM V50A	Vocational Reading and Writing I
ESL ENGM V50B	Vocational Reading and Writing II
ESL ENGM V51A	Academic Writing and Grammar I
ESL ENGM V51B	Academic Writing and Grammar II
ESL ENGM V53B	High-Begin <i>Beginning</i> Reading Comprehension
ESL ENGM V54	Intermediate Reading Comprehension and Language Acquisition
PSY V03	Introduction to Physiological <i>Biological</i> Psychology
PSY V07	Introduction to Experimental Psychology <i>Research Methods in Social and Behavioral Sciences</i>
PSY V07L	Introduction to Experimental Psychology <i>Research Methods in Social and Behavioral Sciences</i> Laboratory

New Degrees

Associate of Arts Degree in Kinesiology for Transfer

Associate of Science Degree in Early Childhood Education for Transfer

Revised A.S. Degree/Certificate of Achievement

Business Management

- Moorpark College Submissions

New Degrees/Programs

History – AA-T

Revised Courses

ENGL M122A/B Independent Studies in - English 10.5 to 3 Units

- Oxnard College Submissions:

New Course

CAOT R198 Short Courses in Computer Applications and Office Technology, .5-10 units

Revised Courses

DA R010 Introduction to Dental Assisting, 3 units

DA R011 Beginning Radiology, 3 units

DA R012 Dental Materials for the DA, 3 units

DA R013 Occupational Health, 1 unit



DA R014	Introduction to Chairside Dental Assisting, 2 units
DA R015	Dental Specialties, 2 units
DA R020	Advanced Dental Assisting, 2 units
DA R021	Practice Management for the Dental Assistant, 3 units
DA R022	Clinical Dental Experiences, 3 units
DA R023	Ethics and Jurisprudence for the Dental Assistant, 1 unit
DA R024	Dental Assisting Seminar, 2 units
DA R025	Dental Health Education for the Dental Assistant, 2 units
EMT R169	Emergency Medical Technician, 6 units

Revised Program

Biology

- Next Meeting Date: January 12, 2011

Ventura County Community College District

2011-2012 Academic Year

District Technical Review Workgroup (DTRW)

Meeting Notes

November 10, 2011 - 1:00 p.m. – DAC Lakin Board Room

MEETING NOTES PRIOR TO APPROVAL AT 12.08.11 DTRW MEETING

Present: Chancellor's Designee: Dr. Gaither Loewenstein (Consultant)
Co-Chair & Faculty Co-Chair: Mary Rees (MC)
Executive Vice Presidents: Erika Endrijonas (OC), Lori Bennett (MC), Ramiro Sanchez (VC)
Faculty Co-Chairs of Curriculum Committees: Mark Pauley (VC)
Articulation Officers: Shannon Davis (OC), Letrisha Mai (MC), Gloria Arevalo (VC)
Academic Senate Appointees: Riley Dwyer (MC), Peter Sezzi (VC)
Associate Student Government:
Policy and Administrative Procedures: Clare Geisen (DAC)

Absent: Teresa Bonham (OC), Robert Cabral (OC), Daniel Chavez (VC)

Recorder: Laurie Nelson-Nusser

Notes:

Agenda Item	Summary of Discussion	Action (If Required)	Completion Timeline	Assigned to:
Approval of September 8, 2011 Meeting Minutes	Dr. Loewenstein welcomed everyone to DTRW. The October 13, 2011 meeting notes were reviewed and all were in agreement to approve the notes as submitted.			
Old Business				
BP/AP in order to change prerequisites on content review CCLC Release: AP4260 (Mary Rees and Clare Geisen)	Ms. Rees stated discussions have been started on prerequisites and may take a couple of months to complete. A subcommittee will possibly be formed. This will be discussed at the Curriculum Committee meetings. This item is to be	Form subcommittee and discuss at Curriculum Committee meetings	Next Curriculum Committee meeting	Curriculum Committee Co-Chairs

	<p>agendized in mid-spring (February 9th agenda) for status on discussions and report back. All were in agreement. Ms. Geisen requested an update every spring on prerequisites to keep the policy and procedure current.</p> <p>New Title 5 Repetition and Withdrawals Regulations and Guidelines (Registrars) The registrars were tasked with developing new procedure language for course repetition and withdrawals and will be meeting separately today. The new language will be brought back to DTRW in December.</p>	<p>Place on 2/09/12 DTRW Agenda</p> <p>Bring back new language to DTRW with recommendations.</p>	<p>2/09/12</p> <p>12/08/12</p>	<p>Laurie Nusser</p> <p>Registrars</p>
DTRW Processes and Procedures for Reviewing Courses and Programs	<p>Discussion ensued regarding the requirements for a review of courses/programs and the history of DTRW. Topics and methods of evaluation/instruction are usually involved in the technical review of the courses. Dr. Loewenstein presented handouts of Riverside Community College's technical review guidelines and check list. The procedure for this district to complete technical review is at local technical review committees (curriculum).</p>			
New Degree/Course/Revised Courses Moorpark/Oxnard/Ventura Submissions	<p><u>Ventura – New Course: Zen Buddhism</u> This is an experimental course which has done well as a stand-alone course as there is no transfer model curriculum (TMC). The Articulation Officers noted this is a lower division course at various 4-year colleges and has transferrable units. This course will be part of Ventura College's Philosophy curriculum. All in approval.</p>	<p>Send all submissions to college president's offices as approved.</p>	<p>Next Board Date: 12/13/11</p>	<p>EVP for each college to send to President's office for submission to Board.</p>

	<p>Recommendation: Move forward to the Board as submitted.</p> <p><u>Ventura – New Transfer Degree:</u> <u>Associate of Science Degree in Business Administration for Transfer.</u> This item creates a degree that aligns with the TMC for Business Administration courses. SLO’s have been developed, have a similar degree, and will be published in the next catalog. All in approval. Recommendation: Move forward to the Board as submitted.</p> <p><u>Ventura - Revised AS Degree:</u> <u>Accounting:</u> The program was made more effective for students and is in-line with the new Board Implementation Task Force Objectives, however, was being developed prior to the objectives being published. This is a certificate and degreed program. The student will be given the certificate and the degree, which is not considered “double dipping.” When presented to the State, only one application is required. The differences between AA and AS degrees were discussed and since they are local degrees they can be submitted as an AS or AA. All in approval. Recommendation: Move forward to the Board as submitted.</p> <p><u>Ventura - Revised Proficiency Award:</u> <u>Administrative Assistant:</u> This was an update to convert from a</p>			
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	<p>different discipline area and is the primary change on this item. Prior to this change, the proficiency award was under BIS and is now BUS. This is a 16-unit course called Administrative Assistant. The course is split by two different instructors in one semester and meets CalWorks registration requirements. Dr. Loewenstein inquired if any SLO's were written. The answer was affirmative. All in approval.</p> <p>Recommendation: Move forward to the Board as submitted.</p> <p><u>Ventura College – Deleted Associate in Science/Certificate of Achievement: Executive Assistant:</u></p> <p>Ventura College is doing some clean up and trying to remove some of the older certificate of achievements. They will be creating new ones as they become relevant.</p> <p>Recommendation: Move forward to the Board as submitted.</p> <p><u>Ventura College – Deleted Proficiency Awards</u></p> <ul style="list-style-type: none">• Bilingual Computer Skills• Computerized Office• Microcomputers; Business Applications <p>Recommendation: Move deleted proficiency awards forward to the Board as submitted.</p> <p><u>Ventura – Business Administration Transfer Curriculum Model:</u></p> <p>All in approval.</p>			
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	<p>Recommendation: Move Business Administration Transfer Curriculum (TMC) forward to the Board as submitted.</p> <p>New Degrees/Programs must be approved before deletion of old degrees. Discussion ensued regarding deletions of the old degrees before the new degrees are created. Will the new TMC's push out students? Hopefully, the CSU's will recognize the new degrees.</p> <p><u>Moorpark – New Degrees/Programs:</u></p> <ul style="list-style-type: none"> • Communication Studies – AA-T • Kinesiology – AA-T • Political Science – AA-T <p>All were in agreement to approve the 3 new degrees and programs.</p> <p>Recommendation: Move forward to the Board as submitted.</p> <p><u>Moorpark – New Course:</u></p> <p>RADT M52B Nuclear Medicine Clinical Lab IIIB, 2.5 Units</p> <p>Moorpark is dividing the course in half from a 5 unit course to 2.5 units. The old degree will be marked as inactive in Curriconet. All are in agreement to approve the new course.</p> <p>Recommendation: Move forward to the Board as submitted.</p> <p><u>Moorpark – Revised Courses:</u></p> <ul style="list-style-type: none"> • MATH M04A, Elementary and Intermediate Algebra Part A, 5 Units • PHSO M01 Human Physiology, 4 Units 			
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	<p>Math was changed to prerequisite instead of recommended. The 4A and 4B courses must both be completed. The prerequisites have been validated and reviewed at Curriculum Committee. Discussion ensued regarding prerequisites and self placement. Human physiology was changed from 5 units to 4 units and the prerequisites were changed.</p> <p>All were in agreement to approve the revised courses.</p> <p>Recommendation: Move forward to the Board as submitted.</p> <p><u>Oxnard – Revised Course:</u> FT R070 170, Firefighter I Academy, 16 Units.</p> <p>This course was revised from FT R070 to FT 170 and to make it CSU transferrable. It was determined enrollment will not drop as the course draws students from all over the state. The scarcity of these types of classes will bring students to Oxnard and many take civil jobs after completing the course. All were in agreement to approve the revised course.</p> <p>Recommendation: Move forward to the Board as submitted.</p>			
Next Meeting Date:	November 10, 2011 – 1 pm			

Released by
CC League of CA
on 9.13.11.

AP 4260 Prerequisites and Co-requisites

References:

Title 5 Sections 55000 et seq.

Note: This procedure is **legally required**. Districts may insert their local practice here. The following example is based on the California Community Colleges Model District Policy developed by the California Community Colleges Chancellor's Office Task Force in conjunction with the State Academic Senate and Chief Instructional Officers.

~~Prerequisites, co-requisites, advisories, and limitations are necessary to ensure that students succeed in their coursework and have access to the courses they require. It is important to have prerequisites in place where they are a vital factor in maintaining academic standards. The following provides for the establishing, reviewing, and challenging of prerequisites, co-requisites, advisories on recommended preparation, and certain limitations on enrollment in a manner consistent with law and good practice. It is also necessary to ensure that prerequisites, co-requisites, advisories, and limitations are established unnecessarily or inappropriately, do not constitute unjustifiable obstacles to student access and success. Therefore, this procedure calls for caution and careful scrutiny in establishing them. Nonetheless, it is as important to have prerequisites in place where they are a vital factor in maintaining academic standards as it is to avoid establishing prerequisites where they are not needed. Therefore, to foster the appropriate balance between these two concerns, the Education Code requires that prerequisites, co-requisites, advisories, and limitations be established based solely on content review.~~

~~For these reasons, the District has sought to foster the appropriate balance between these two concerns.~~

1. Information in the Catalog and Schedule of Courses.

The college shall provide the following explanations both in the college catalog and in the schedule of courses:

- A. Definitions of prerequisites, co-requisites, and limitations on enrollment including the differences among them and the specific prerequisites, co-requisites, and limitations on enrollment that have been established.
- B. Procedures for a student to challenge prerequisites, co-requisites, and limitations on enrollment and circumstances under which a student is encouraged to make such a challenge. The information about challenges must include, at a minimum, the specific process including any deadlines, the various types of challenge that are established in law, and any additional types of challenge permitted by the college.
- C. Definitions of advisories on recommended preparation, the right of a student to choose to take a course without meeting the advisory, and circumstances under which a student is encouraged to exercise that right.
- D. Definitions of contract course, co-requisite, noncredit basic skills course, non-degree-applicable basic skills courses, prerequisite and satisfactory grade.

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2. Challenge Process

A. Any student who does not meet a prerequisite or co-requisite or who is not permitted to enroll due to a limitation on enrollment but who provides satisfactory evidence may seek entry into the course as follows:

1. If space is available in a course when a student files a challenge to the prerequisite or co-requisite, the District shall reserve a seat for the student and resolve the challenge within five (5) working days. If the challenge is upheld or the District fails to resolve the challenge within the five (5) working-day period, the student shall be allowed to enroll in the course.
2. If no space is available in the course when a challenge is filed, the challenge shall be resolved prior to the beginning of registration for the next term and, if the challenge is upheld, the student shall be permitted to enroll if space is available when the students registers for that subsequent term.

B. Grounds for challenge shall include the following:

1. Those grounds for challenge specified in Title 5, Section 55201(f).
2. The student seeks to enroll and has not been allowed to enroll due to a limitation on enrollment established for a course that involves intercollegiate competition or public performance, or one or more of the courses for which enrollment has been limited to a cohort of students. The student shall be allowed to enroll in such a course if otherwise he or she would be delayed by a semester or more in attaining the degree or certificate specified in his or her educational plan.
3. The student seeks to enroll in a course that has a prerequisite established to protect health and safety, and the student demonstrates that he/she does not pose a threat to himself/herself or others.
4. The student has the obligation to provide satisfactory evidence that the challenge should be upheld. However, where facts essential to a determination of whether the student's challenge should be upheld are or ought to be in the college's own records, then the college has the obligation to produce that information.

C. Curriculum Review Process

The curriculum review process shall at a minimum be in accordance with all of the following:

1. Establish a curriculum committee and its membership in a manner that is mutually agreeable to the college administration and the academic senate.
2. Establish prerequisites, co-requisites, and advisories on recommended preparation (advisories) only upon the recommendation of the academic senate except that the academic senate may delegate this task to the curriculum committee without forfeiting its rights or responsibilities under Title 5 Sections 53200-53204 and within the limits set forth in Title 5 Section 55003.. Certain limitations on enrollment must be established in the same manner.

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3. Establish prerequisites, co-requisites, advisories on recommended preparation, and limitations on enrollment only if:

a) The faculty in the discipline or, if the college has no faculty member in the discipline, the faculty in the department do all of the following:

- (1) Approve the course; and,
- (2) As a separate action, approve any prerequisite or co-requisite, only if:

(a) The prerequisite or co-requisite is an appropriate and rational measure of a student's readiness to enter the course or program as demonstrated by a content review including, at a minimum, all of the following:

- (i) involvement of faculty with appropriate expertise;
- (ii) consideration of course objectives set by relevant department(s). The curriculum review process should be done in a manner that is in accordance with accreditation standards.
- (iii) be based on a detailed course syllabus and outline of record, tests, related instructional materials, course format, type and number of examinations, and grading criteria;
- (iv) specification of the body of knowledge and/or skills which are deemed necessary at entry and/or concurrent with enrollment;
- (v) identification and review of the prerequisite or co-requisite which develops the body of knowledge and/or measures skills identified under iv.
- (vi) matching of the knowledge and skills in the targeted course (identified under iv.) and those developed or measured by the prerequisite or co-requisite (i.e., the course or assessment identified under v.); and
- (vii) maintain documentation that the above steps were taken.

~~(b) The prerequisite or co-requisite meets the scrutiny specified in one of the procedures for review of individual courses (see below), and specify which.~~

- (3) Approve any limitation on enrollment that is being established for an honors course or section, for a course that includes intercollegiate competition or public performance, or so that a cohort of students will be enrolled in two or more courses, and, in a separate action, specify which.
- (4) Approve that the course meets the academic standards required for degree applicable courses, non-degree applicable courses, non-credit courses, or community service respectively.
- (5) Review the course outline to determine if a student would be highly unlikely to receive a satisfactory grade unless the student had knowledge or skills not taught in the course. If the student

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would need knowledge or skills not taught in the course itself, then the course may be approved for degree applicable credit only if all requirements for establishing the appropriate prerequisite have been met excepting only approval by the curriculum committee.

- (6) Review the course outline to determine whether receiving a satisfactory grade is dependent on skills in communication or computation. If receiving a satisfactory grade is sufficiently dependent on such skills, then the course may be approved for degree applicable credit only if all requirements have been met for establishing a prerequisite or co-requisite of not less than eligibility for enrollment to a degree-applicable course in English or mathematics, respectively.
 - b) A course which should have a prerequisite or co-requisite as provided in (5) or (6) but for which one or more of the requirements for establishing a prerequisite have not been met may only:
 - (1) Be reviewed and approved pursuant to the standards for non-degree applicable credit, non-credit, or community service; or
 - (2) Be revised and reviewed as required to meet the criteria for establishing the necessary prerequisites or co-requisites.
 - c) The curriculum committee also reviews the course and prerequisite in a manner that meets each of the requirements specified above.
4. Program Review. As a regular part of the program review process or at least every six years, except that the prerequisites and co-requisites for vocational courses or programs shall be reviewed every two years, the college shall review each prerequisite, co-requisite, or advisory to establish that each is still supported by the faculty in the discipline or department and by the curriculum committee and is still in compliance with all other provisions of this policy and with the law. Any prerequisite or co-requisite that is still supported shall be reviewed promptly thereafter to assure that it is in compliance with all other provisions of this policy and with the law.
 5. Implementing Prerequisites, Co-requisites, and Limitations on Enrollment. Implementation of prerequisites, co-requisites, and limitations on enrollment must be done in a consistent manner and not left exclusively to the classroom instructor. Every attempt shall be made to enforce all conditions a student must meet to be enrolled in the course through the registration process so that a student is not permitted to enroll unless he/she has met all the conditions or has met all except those for which he/she has a pending challenge or for which further information is needed before final determination is possible of whether the student has met the condition.
 6. Instructor's Formal Agreement to Teach the Course as Described. Each college shall establish a procedure so that courses for which prerequisites or co-requisites are established will be taught in accordance with the course

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outline, particularly those aspects of the course outline that are the basis for justifying the establishment of the prerequisite or co-requisite. The process shall be established by consulting collegially with the local academic senate and, if appropriate, the local bargaining unit.

Review of Individual Courses

If the student's enrollment in a course or program is to be contingent on his or her having met the proposed prerequisite(s) or co-requisite(s), then such a prerequisite or co-requisite must be established as follows. If enrollment is not blocked, then what is being established is not a prerequisite or co-requisite but, rather, an advisory on recommended preparation and must be identified as such in the schedule and catalog. Establishing advisories does not require all the following steps.

1. Prerequisites and Co-requisites

A. Levels of Scrutiny. Prerequisites and co-requisites must meet the requirements of at least one of the following subsections:

1. ~~The Standard Prerequisites or Co-requisites. The college may establish satisfactory completion of a course as prerequisite or co-requisite for another course provided that, in addition to obtaining the review of the faculty in the discipline or department and the curriculum committee as provided above, the college specifies as part of the course outline of record at least three of the campuses of the University of California and the California State University which reflect in their catalogs that they offer the equivalent course with the equivalent prerequisite(s) or co-requisite(s). Any combination of University of California campuses and California State University campuses is acceptable in satisfaction of this requirement.~~

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2. ~~Sequential Courses Within and Across Disciplines. A course may be established as a prerequisite or co-requisite for another course provided that, in addition to the review by faculty in the department or discipline and by the curriculum committee as described above, skills, concepts, and/or information taught in the first course are presupposed in the second course, and a list of the specific skills and/or knowledge a student must possess in order to be ready to take the second course is included in its outline of record.~~

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3. ~~Courses in Communication or Computation Skills. Prerequisites establishing communication or computational skill requirements may not be established across the entire curriculum unless established on a course-by-course basis. A course in communication or computation skills, or eligibility for enrollment in such a course, may be established as a prerequisite or co-requisite for any course other than another course in communication or computation skills if, in addition to the review by the faculty in the discipline or department and by the curriculum committee as provided above, the following is also done:~~

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- a) ~~A list of the specific skills a student must possess in order to be ready to take the course is included in the course outline of record; and~~
- b) ~~Research is conducted as provided above.~~

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The prerequisite or co-requisite may be established for a period of not more than two years while the research is being conducted provided that a determination is made that a student who lacks the particular skills is highly unlikely to receive a satisfactory grade because a sufficient percentage of the grade is directly dependent on these skills. This determination must be approved both by the faculty in the discipline and by the curriculum committee as provided above and must be based on a review of the syllabus as well as samples of tests and other assignments on which the grade is based.

4. Cut Scores and Prerequisites: Whether or not research is required to establish a prerequisite, data collected to validate assessment instruments and cut scores is always relevant to reviewing the prerequisites for the associated courses. If such data are insufficient to establish the cut scores, any course prerequisites established for the same course or courses may not be printed in subsequent catalogs and schedules nor enforced in subsequent semesters until the problems are resolved, and sufficient data exist to establish the cut scores. In such a case, the collection of these data shall be done in the manner prescribed above in addition to other requirements of law. Such a prerequisite may be changed to an advisory or recommended preparation while the problems are being resolved.

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5. Programs: In order to establish a prerequisite for a program, the proposed prerequisite must be approved as provided for a course prerequisite in regard to at least one course that is required as part of the program.

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6. Health and Safety: A prerequisite or co-requisite may be established provided that, in addition to the review by faculty in the department or division and by the curriculum committee as provided above:

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- a) The course for which the prerequisite is proposed is one in which the student might endanger his/her own health and safety or the health and safety of others; and
- b) The prerequisite is that the student possesses what is necessary to protect his/her health and safety and the health and safety of others before entering the course.

7. Recency and Other Measures of Readiness: Recency and other measures of readiness may be established as a prerequisite or co-requisite only if, in addition to the review by the faculty in the discipline or department and by the curriculum committee as provided above, the following is also done:

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- a) A list of the specific skills a student must possess in order to be ready to take the course is included in the course outline of record.
- b) Data are gathered according to sound research practices in at least one of the following areas:

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- (1) ~~The extent to which students, those currently enrolled in the course or those who have completed it, believe the proposed prerequisite or co-requisite is necessary.~~
 - (2) ~~Comparison of the faculty members' appraisal of students' readiness for the course to whether students met the proposed prerequisite or co-requisite. The faculty appraisal could be done at any time in the semester that the college determined was appropriate and based on independent assignments, quizzes and exams, participation in courses or other indicators that the student was or was not ready to take the course.~~
 - (3) ~~Comparison of students' performance at any point in the course with completion of the proposed prerequisite or co-requisite.~~
 - (4) ~~Comparison of student performance in the course to their scores on assessment instruments in the manner required to validate an assessment instrument and cut scores for the course in question as described above.~~
- c) ~~The standard for any comparison done shall be that a student is highly unlikely to receive a satisfactory grade in the course unless the student has met the proposed prerequisite or co-requisite. The research design, operational definitions, and numerical standards, if appropriate, shall be developed by research personnel, discipline faculty, and representatives of the academic senate. If the evidence fails to meet the standard established, each college may establish the proposed prerequisite or co-requisite as a recommended preparation and may seek to establish it as a prerequisite or co-requisite only by following the process described in this policy and any applicable college policies.~~
- d) ~~If the curriculum committee has determined as provided in these procedures that a new course needs to have a prerequisite or co-requisite, then the prerequisite or co-requisite may be established for a single period of not more than two years while research is being conducted and a determination is being made, provided that:~~
- (1) ~~All other requirements for establishing the prerequisite or co-requisite have already been met; and~~
 - (2) ~~Students are informed that they may enroll in the course although they do not meet the prerequisite. However, students who lack the prerequisite may not constitute more than 20% of those enrolled in any section of the course.~~

~~Prerequisites and co-requisites that are exempt from review at the time they are, or were, established are not eligible for this exception, and the research must be conducted during the six years before they must be reviewed.~~

B. ~~Additional Rules. Title 5 Section 55202 specifies additional rules, which are to be considered part of this document as though reproduced here.~~

2.1. **Advisories on Recommended Preparation.**

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The college may recommend that a student meet a standard of readiness at entry only if recommended by the faculty in the discipline or department and by the curriculum committee as provided in above. This process is required whether the college used to describe such recommendations in its catalog or schedule as "prerequisites," or "recommended," or by any other term.

3.2 Limitations on Enrollment.

The types of limitation on enrollment specified below may only be established through the curriculum review process by the discipline or department faculty and the curriculum committee specified above including the requirement to review them again at least every six years; for example, as part of program review. The following requirements must also be met in order to establish these particular limitations on enrollment.

- A. Performance Courses. The college may establish audition or try-out as a limitation on enrollment for courses that include public performance or intercollegiate competition such as but not limited to band, orchestra, theater, competitive speech, chorus, journalism, dance, and intercollegiate athletics provided that:
1. For any certificate or associate degree requirement which can be met by taking this course, there is another course or courses which satisfy the same requirement; and
 2. The college includes in the course outline of record a list of each certificate or associate degree requirement that the course meets and of the other course or courses which meet the same requirement.

Limitations on enrollment established as provided for performance courses shall be reviewed during program review or at least every six years to determine whether the audition or try-out process is having a disproportionate impact on any historically under-represented group and, if so, a plan shall be adopted to seek to remedy the disproportionate impact. If disproportionate impact has been found, the limitation on enrollment may not be printed in subsequent catalogs or schedules nor enforced in any subsequent term until such a plan has been endorsed by the department and the college administration and put into effect.

- B. Honors Courses. A limitation on enrollment for an honors course or an honors section of a course may be established if, in addition to the review by the faculty in the discipline or department and by the curriculum committee as provided above, there is another section or another course or courses at the college which satisfy the same requirements. If the limitation is for an honors course and not only for an honors section, the college must also include in the course outline of record a list of each certificate or associate degree requirement that the course meets and of the other course or courses which meet the same associate degree or certificate requirement.

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courses are two or more courses or sections for which enrollment is limited in order to create a cohort of students. Such a limitation on enrollment may be established if, in addition to review by the faculty in the discipline or department and by the curriculum committee as provided above, there is another section or another course or courses that satisfy the same requirement. If the cohort is created through limitations on enrollment in the courses rather than limitations on specific sections of courses, then the college must include in the course outline of record a list of each certificate or associate degree requirement that the course meets and of the other course or courses which satisfy the same associate degree or certificate requirement.

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VENTURA COLLEGE

New Courses

AUTO V46	Engine Performance	3
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Revised Courses

BIOL V01	Principles of Biology	
BIOL V01L	Principles of Biology Laboratory	
BIOL V31/BIOT V31	Introduction to Methods of Biotechnology and Molecular Biology	
BIS V40 BUS V17	Computer Applications in Business	
ENGL V07	Intermediate Reading Comprehension and Language Acquisition	
ESL ENGM V10A	English Interactive Computer Assisted Language Learning <i>I: Segment 1</i>	
ESL ENGM V10B	English Interactive Computer Assisted Language Learning <i>II: Segment 2</i>	
ESL ENGM V10C	English Interactive Computer Assisted Language Learning <i>III: Segment 3</i>	
ESL ENGM V10D	English Interactive Computer Assisted Language Learning <i>IV: Segment 4</i>	
ESL ENGM V17A	Beginning English as a Second Language: Communications Skills I	
ESL ENGM V17B	Intermediate English as a Second Language: Communications Skills II	
ESL ENGM V18A	Intermediate English as a Second Language: Communicative Grammar I	
ESL ENGM V18B	Intermediate English as a Second Language: Communicative Grammar II	
ESL V19A ENGM V19A	Intermediate English as a Second Language: Interactive Pronunciation I <i>Interactive Pronunciation I</i>	
ESL V19B ENGM V19B	Intermediate English as a Second Language: Interactive Pronunciation II <i>Interactive Pronunciation II</i>	
ESL ENGM V20A	Beginning Oral Communication I <i>1A</i>	
ESL ENGM V20B	Beginning Oral Communication II <i>1B</i>	
ESL ENGM V21	Intermediate Oral Communication	
ESL ENGM V22	Advanced Oral Communication	
ESL ENGM V30A	Beginning Reading and Vocabulary I <i>1A</i>	
ESL ENGM V30B	Beginning Reading and Vocabulary II <i>1B</i>	

ESL ENGM V31	Intermediate Reading and Vocabulary 2
ESL ENGM V32	Advanced Reading and Vocabulary
ESL ENGM V40A	Beginning Writing and Grammar I
ESL ENGM V40B	Beginning Writing and Grammar II
ESL ENGM V41	Intermediate Writing and Grammar
ESL ENGM V42	Advanced Writing and Grammar
ESL ENGM V50A	Vocational Reading and Writing I
ESL ENGM V50B	Vocational Reading and Writing II
ESL ENGM V51A	Academic Writing and Grammar I
ESL ENGM V51B	Academic Writing and Grammar II
ESL ENGM V53B	High- Begin Beginning Reading Comprehension
ESL ENGM V54	Intermediate Reading Comprehension and Language Acquisition
PSY V03	Introduction to Physiological Biological Psychology
PSY V07	Introduction to Experimental Psychology Research <i>Methods in Social and Behavioral Sciences</i>
PSY V07L	Introduction to Experimental Psychology Research <i>Methods in Social and Behavioral Sciences Laboratory</i>

New Degrees

Associate of Arts Degree in Kinesiology for Transfer
Associate of Science Degree in Early Childhood Education for Transfer

Revised A.S. Degree/Certificate of Achievement

Business Management

VENTURA COLLEGE
New Course

AUTO V46	Engine Performance	3 Units
Hours:	3 lecture weekly	

This course provides students with fundamental knowledge of engine and emission control theory, design, and operation. Students who successfully complete this course will have completed the first step of the Bureau of Automotive Repair's training requirements for a Smog Check Inspector license.

Field trips may be required.

Revised Courses

BIOL V01	Principles of Biology	3 Units
Hours:	3 lecture weekly	

The course provides an introduction to the basic principles of biology and covers the biochemistry, physiology, morphology, behavior, genetics, evolution, taxonomy, and ecology of living things. The companion laboratory course provides hands-on activities to illustrate these principles.

Field trips may be required. Formerly Biol 1. Transfer credit: CSU; UC; credit limitations – see counselor.

BIOL V01L	Principles of Biology Laboratory	1 Unit
Hours:	3 laboratory weekly	

The course provides a hands-on introduction to the basic principles of biology and covers the biochemistry, physiology, morphology, behavior, genetics, evolution, taxonomy, and ecology of living things.

Field trips may be required. Formerly Biol 1. Transfer credit: CSU; UC; credit limitations – see counselor.

BIOL V31	Introduction to Methods of Biotechnology and Molecular Biology	2 Units
Recommended preparation:	BIOL V30 or BIOT V30 or concurrent enrollment; CHECM V20-V20L or high school chemistry with grades of C or better; and MICR V01	
Hours:	1 lecture, 3 laboratory weekly	

This course is designed to provide a variety of biotechnology and molecular biology experiences that develop proficiency in molecular biology techniques and the application of specialized biotechnology equipment in problem solving. Its intent is to develop knowledge of biotechnology protocols, an awareness of laboratory safety, as well as enthusiasm and academic interest in molecular biology and biotechnology. ANSI 287.1 approved safety glasses and laboratory coats are required.

Field trips may be required. Formerly Biol 31. Same as BIOT V31. Offered on a pass/no pass basis only. Transfer credit: CSU; credit limitations – see counselor.

BIOT V31	Introduction to Methods of Biotechnology and Molecular Biology	2 Units
Recommended preparation:	BIOL V30 or BIOT V30 or concurrent enrollment; CHECM V20-V20L or high school chemistry with grades of C or better; and MICR V01	
Hours:	1 lecture, 3 laboratory weekly	

This course is designed to provide a variety of biotechnology and molecular biology experiences that develop proficiency in molecular biology techniques and the application of specialized biotechnology equipment in problem solving. Its intent is to develop knowledge of biotechnology protocols, an awareness of laboratory safety, as well as enthusiasm and academic interest in molecular biology and biotechnology. ANSI 287.1 approved safety glasses and laboratory coats are required.

Field trips may be required. Same as BIOL V31. Offered on a pass/no pass basis only. Transfer credit: CSU; credit limitations – see counselor.

BIS V40 BUS V17	Computer Applications in Business	3 Units
Hours:	3 lecture weekly	

This course provides an overview of computer concepts, including hardware, software, business information systems, computers, and business software, with an emphasis on integrating spreadsheets, word processing documents, database documents, and presentations. Students will also learn about software applications involving business-related scenarios and the use of the computer as a tool in business problem solving and decision making.

Formerly BIS V40. Transfer credit: CSU.

ENGL V07	Intermediate Reading Comprehension and Language Acquisition	3.5 Units
Recommended preparation:	ENGL V08A or ENGK V08B or ESL V53A or ESL V53B or placement as measure by the college assessment process	
Hours:	3 lecture, 1.5 laboratory weekly	

This is an intermediate-level reading course that is designed to help students improve their reading comprehension at the level of the short essay. They will individually develop their vocabularies and learn to identify literal and implied main ideas and supporting details at the level of the short essay. They will also read, summarize, paraphrase and analyze short, simple expository passages.

Formerly READ V03. Same as ESL V54. Not applicable for degree credit.

ESL V10A <i>ENGM V10A</i>	English Interactive Computer Assisted Language Learning I: Segment 1	1 Unit
Hours:	1 lecture weekly	

This computer course is software driven and is the first of a four-course sequence. Under the guidance of the instructor, students will complete self-paced competency-based interactive grammar assignments using multimedia. Grammar reinforcement activities include reading, listening and pronunciation exercises. Topics include simple present present continuous, future and simple past tenses, imperatives, parts of speech, possessive forms, and count/non-count nouns. More than one course in the sequence may be completed within the term.

Formerly *ESL V10A*. Offered on a pass/no pass basis only. Not applicable for degree credit.

ESL V10B <i>ENGM V10B</i>	English Interactive Computer Assisted Language Learning II: Segment 2	1 Unit
Recommended preparation:	ESL <i>ENGM V10A</i> or equivalent skills	
Hours:	1 lecture weekly	

This computer course is software driven and is the second of a four-course sequence. Under the guidance of the instructor, students will complete self-paced competency-based interactive grammar assignments using multimedia. Grammar reinforcement activities include reading, listening and pronunciation exercises. Topics include past tense sequences, the past continuous tense, gerunds and infinitives, comparatives and superlatives, definite and indefinite articles, an introduction to the present perfect tense, and subjunctive clauses. More than one course in the sequence may be completed within the term.

Formerly *ESL V10B*. Offered on a pass/no pass basis only. Not applicable for degree credit.

ESL V10C <i>ENGM V10C</i>	English Interactive Computer Assisted Language Learning III: Segment 3	1 Unit
Recommended preparation:	ESL <i>ENGM V10B</i> or equivalent skills	
Hours:	1 lecture weekly	

This computer course is software driven and is the third of a four-course sequence. Under the guidance of the instructor, students will complete self-paced competency-based interactive grammar assignments using multimedia. Grammar reinforcement activities include reading, listening and pronunciation exercises. Topics include the past continuous tense; the present perfect and present perfect continuous tenses; modals of advice, ability, request, possibility, preference, permission and necessity; and future time clauses. More than one course in the sequence may be completed within the term.

Formerly ESL V10C. Offered on a pass/no pass basis only. Not applicable for degree credit.

ESL V10D <i>ENGM V10D</i>	English Interactive Computer Assisted Language Learning IV: Segment 4	1 Unit
Recommended preparation:	ESL <i>ENGM V10C</i> or equivalent skills	
Hours:	1 lecture weekly	

This computer course is software driven and is the fourth of a four-course sequence. Under the guidance of the instructor, students will complete self-paced competency-based interactive grammar assignments using multimedia. Grammar reinforcement activities include reading, listening and pronunciation exercises. Topics include the passive voice, the conditional, past perfect, reported imperatives and statements, and adjectives clauses. More than one course in the sequence may be completed within the term.

Formerly ESL V10D. Offered on a pass/no pass basis only. Not applicable for degree credit.

ESL V17A <i>ENGM V17A</i>	Beginning English as a Second Language: Communication Skills I	1.5 Units
Hours:	.5 lecture, 3 laboratory weekly	

This course will emphasize correct pronunciation and spelling of the vocabulary introduced. There will be very limited attention to grammatical forms and writing skills. Students will acquire elementary listening and speaking skills and vocabulary related to everyday needs and situations.

Formerly ESL V17A. Offered on a pass/no pass basis only. Not applicable for degree credit.

ESL V17B <i>ENGM V17B</i>	Beginning English as a Second Language: Communication Skills II	1.5 Units
Recommended preparation:	ESL <i>ENGM V17A</i> or equivalent	
Hours:	.5 lecture, 3 laboratory weekly	

The emphasis of this course will be on developing basic communication skills for everyday life in the U.S. Students will focus on extensive vocabulary building and conversation practice.

Formerly ESL V17B. Offered on a pass/no pass basis only. Not applicable for degree credit.

ESL V18A <i>ENGM V18A</i>	Intermediate English as a Second Language: Communicative Grammar I	1.5 Units
Hours:	.5 lecture, 3 laboratory weekly	

The emphasis of this course will be on common grammar problems faced by English language learners at the intermediate level. The grammar activities will be interactive and engaging to make the information more memorable and relevant.

Formerly ESL V18A. Offered on a pass/no pass basis only. Not applicable for degree credit.

ESL V18B <i>ENGM V18B</i>	Intermediate English as a Second Language: Communicative Grammar II	1.5 Units
Recommended preparation:	ESL V18A <i>ENGM V17A</i> or <i>ENGM V17B</i> or equivalent	
Hours:	.5 lecture, 3 laboratory weekly	

The emphasis of this course will be on communication and fluency with a focus on common grammar problems faced by English language learners. Students will learn to monitor their language and apply self-help strategies. Grammar activities will be dynamic and interactive giving students opportunities to communicate and receive feedback on attempts at producing meaningful language.

Formerly ESL V18B. Offered on a pass/no pass basis only. Not applicable for degree credit.

ESL V19A <i>ENGM V19A</i>	Intermediate English as a Second Language: Interactive Pronunciation I	1.5 Units
Hours:	.5 lecture, 3 laboratory weekly	

The emphasis of this course will be on clear communication and common pronunciation problems faced by English language learners. Students will acquire the cognitive ability to correct themselves. Progress may be noted in students' abilities to correct a mispronounced utterance or omission.

Formerly ESL V19A. Offered on a pass/no pass basis only. Not applicable for degree credit.

ESL V19B <i>ENGM V19B</i>	Intermediate English as a Second Language: Interactive Pronunciation II	1.5 Units
Hours:	.5 lecture, 3 laboratory weekly	

The emphasis of this course will be on comprehensible pronunciation. Students will acquire the ability to monitor their speech carefully for common mispronunciations. They will learn how to elicit feedback on their pronunciation from their environment and then how to make constructive use of this feedback.

Formerly ESL V19B. Offered on a pass/no pass basis only. Not applicable for degree credit.

ESL V20A <i>ENGM V20A</i>	Beginning Oral Communication I/A Concurrent enrollment in ESL Reading and Vocabulary and ESL Writing and Grammar courses <i>Concurrent enrollment in ENGM Reading and Vocabulary and ENGM Writing and Grammar courses.</i>	4 Units
Recommended preparation:		
Hours:	4 lecture weekly	

This oral communication course is designed for beginning multilingual students. The focus will be on developing basic oral communication skills with attention to listening comprehension and vocabulary building.

Field trips may be required. ~~Formerly ESL V01A-V20A.~~ Offered on a pass/no pass basis only. Not applicable for degree credit.

ESL V20B <i>ENGM V20B</i>	Beginning Oral Communication H/B Concurrent enrollment in ESL Reading and Vocabulary and ESL Writing and Grammar courses <i>Concurrent enrollment in ENGM Reading and Vocabulary and ENGM Writing and Grammar courses.</i>	4 Units
Recommended preparation:		
Hours:	4 lecture weekly	

This oral communication course is designed for beginning multilingual students. The focus will be on developing basic oral communication skills with attention to grammar and fluency.

Field trips may be required. ~~Formerly ESL V02A-V20B.~~ Offered on a pass/no pass basis only. Not applicable for degree credit.

<p>ESL V21 <i>ENGM V21</i></p> <p>Recommended preparation:</p> <p>Hours:</p>	<p>Intermediate Oral Communication 2</p> <p>ESL <i>ENGM V20A</i> or ESL <i>ENGM V20B</i> or the equivalent; and concurrent enrollment in ESL <i>ENGM</i> Reading and Vocabulary <i>courses and concurrent enrollment in ENGM</i> ESL Writing and Grammar courses.</p> <p>4 lecture weekly</p>	<p>4 Units</p>
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This oral communication course is designed for intermediate multilingual students. The focus will be on developing conversational fluency and improving pronunciation and grammatical accuracy.

Field trips may be required. Formerly ~~ESL V03A~~-V21. Offered on a pass/no pass basis only. Not applicable for degree credit.

<p>ESL V22 <i>ENGM V22</i></p> <p>Recommended preparation:</p> <p>Hours:</p>	<p>Advanced Oral Communication 3</p> <p>ESL <i>ENGM V21</i> or the equivalent; and concurrent enrollment in ESL <i>ENGM</i> Reading and Vocabulary <i>course and concurrent enrollment in an ENGM</i> ESL Writing and Grammar course.</p> <p>4 lecture weekly</p>	<p>4 Units</p>
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This oral communication course is designed for advanced multilingual students. The focus will be on improving oral fluency, with attention to grammatical accuracy.

Field trips may be required. Formerly ~~ESL V05A~~-V22. Offered on a pass/no pass basis only. Not applicable for degree credit.

<p>ESL V30A <i>ENGM V30A</i></p> <p>Recommended preparation:</p> <p>Hours:</p>	<p>Beginning Reading and Vocabulary I <i>IA</i></p> <p>Concurrent enrollment in ESL <i>ENGM</i> Writing and Grammar <i>course and concurrent enrollment in ENGM</i> Oral Communication and ESL <i>ENGM</i> Writing and Grammar courses</p> <p>4 lecture weekly</p>	<p>4 Units</p>
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This course is designed for beginning multilingual students. The focus will be on extensive vocabulary building through reading.

Field trips may be required. Formerly ~~ESL V01B~~-V30A. Offered on a pass/no pass basis only. Not applicable for degree credit.

ESL V30B ENGM V30B	Beginning Reading and Vocabulary I IB	4 Units
Recommended preparation:	Concurrent enrollment in ESL ENGM Oral Communication <i>course</i> and <i>concurrent enrollment in ENGM</i> ESL Writing and Grammar courses	
Hours:	4 lecture weekly	

This reading and vocabulary course is designed for beginning multilingual students. The focus will be on developing reading comprehension skills.

Field trips may be required. Formerly ~~ESL V02B~~ **V30B**. Offered on a pass/no pass basis only. Not applicable for degree credit.

ESL V31 ENGM V31	Intermediate Reading and Vocabulary 2	4 Units
Recommended preparation:	ESL V30A or ESL ENGM V30B or the equivalent; and concurrent enrollment in ESL ENGM Oral Communication <i>course</i> and <i>concurrent enrollment in ENGM</i> ESL Writing and Grammar courses	
Hours:	4 lecture weekly	

This course is designed for intermediate multilingual students. The focus will be on developing reading comprehension strategies and vocabulary skills.

Field trips may be required. Formerly ~~ESL V03B~~ **V31**. Offered on a pass/no pass basis only. Not applicable for degree credit.

ESL V32 ENGM V32	Advanced Reading and Vocabulary	4 Units
Recommended preparation:	ESL ENGM V31 or the equivalent; and concurrent enrollment in ESL ENGM Oral Communication <i>course</i> and <i>concurrent enrollment in ENGM</i> ESL Writing and Grammar courses	
Hours:	4 lecture weekly	

This reading and vocabulary course is designed for advanced multilingual students. The focus will be on reading and vocabulary building strategies.

Field trips may be required. Formerly ~~ESL V05B~~ **V32**. Offered on a pass/no pass basis only. Not applicable for degree credit.

ESL V40A <i>ENGM V40A</i>	Beginning Writing and Grammar I <i>IA</i>	4 Units
Recommended preparation:	Concurrent enrollment in ESL <i>ENGM</i> Oral Communication <i>course</i> and ESL <i>concurrent enrollment in ENGM</i> Reading and Vocabulary courses	
Hours:	4 lecture weekly	

This writing and grammar course is designed for beginning multilingual students. The focus will be on developing basic writing skills. Students will be introduced to spelling , punctuation, vocabulary development, and basic sentence structure.

Field trips may be required. Formerly ~~ESL V01C~~ *V40A*. Offered on a pass/no pass basis only. Not applicable for degree credit.

ESL V40B <i>ENGM V40B</i>	Beginning Writing and Grammar II <i>IB</i>	4 Units
Recommended preparation:	Concurrent enrollment in ESL <i>ENGM</i> Oral Communication <i>course</i> and ESL <i>concurrent enrollment in ENGM</i> Reading and Vocabulary courses	
Hours:	4 lecture weekly	

This writing and grammar course is designed for beginning multilingual students. The focus will be on developing basic grammar and sentence skills with attention to simple sentence patterns and punctuation.

Field trips may be required. Formerly ~~ESL V02C~~ *V40B*. Offered on a pass/no pass basis only. Not applicable for degree credit.

ESL V41 <i>ENGM V41</i>	Intermediate Writing and Grammar 2	4 Units
Recommended preparation:	ESL <i>ENGM</i> V40A or ESL <i>ENGM</i> V40B or the equivalent; and concurrent enrollment in ESL <i>ENGM</i> Oral Communication <i>course</i> and ESL <i>ENGM</i> Reading and Vocabulary courses	
Hours:	4 lecture weekly	

This intermediate writing and grammar course is designed for intermediate multilingual students. The focus will be on improving grammar usage and refining sentence structure.

Field trips may be required. Formerly ~~ESL V03C~~ *V41*. Offered on a pass/no pass basis only. Not applicable for degree credit.

ESL V42 <i>ENGM V42</i>	Advanced Writing and Grammar	4 Units
Recommended preparation:	ESL ENGM V41 or the equivalent; and concurrent enrollment in ESL ENGM Oral Communication <i>course</i> and ESL ENGM Reading and Vocabulary courses	
Hours:	4 lecture weekly	

This advanced writing and grammar course is designed for advanced multilingual students. The focus will be on refining sentence structure and developing unified paragraphs.

Field trips may be required. Formerly ~~ESL V05C~~ *V42*. Offered on a pass/no pass basis only. Not applicable for degree credit.

ESL V50A <i>ENGM V50A</i>	Vocational Reading and Writing I	3 Units
Recommended preparation:	ESL ENGM V32 or <i>ENGM V42</i> or the equivalent; and concurrent enrollment in ENGL V08A or V08B or ESL ENGM V53A or <i>ENGM V53B</i>	
Hours:	2 lecture, 3 laboratory weekly	

This vocational reading and writing course is designed for advanced multilingual students preparing for various vocational and academic programs. The focus will be on developing reading, writing, and study skills needed for success in college. This course is a bridge to mainstream classes.

Field trips may be required. Formerly ~~ESL V07A~~ *V50A*. Offered on a pass/no pass basis only. Not applicable for degree credit.

ESL V50B <i>ENGM V50B</i>	Vocational Reading and Writing II	3 Units
Recommended preparation:	ESL ENGM V32 or <i>ENGM V42</i> or the equivalent; and concurrent enrollment in ENGL V08A or V08B or ESL ENGM V53A or <i>ENGM V53B</i>	
Hours:	2 lecture, 3 laboratory weekly	

This vocational reading and writing course is designed for advanced multilingual students preparing for mainstream vocational and academic courses. The focus will be on refining reading, writing, and study skills needed for success in college. This course is a bridge to mainstream courses.

Field trips may be required. Formerly ~~ESL V07B~~ *V50B*. Offered on a pass/no pass basis only. Not applicable for degree credit.

ESL V51A <i>ENGM V51A</i>	Academic Writing and Grammar I	3 Units
Recommended preparation:	<i>ENGM V32 or concurrent enrollment and ENGM ESL V42 or the equivalent; and concurrent enrollment in ENGL V08A or V08B or ESL ENGM V53A or V53B</i>	
Hours:	2 lecture, 3 laboratory weekly	

This academic writing and grammar course is designed for advanced multilingual students preparing for academic courses. The focus will be on improving grammar usage while writing paragraphs and short essays. Attention will be given to study skills needed for success in college.

Field trips may be required. Formerly ~~ESL V08A~~-*V51A*. Offered on a pass/no pass basis only. Not applicable for degree credit.

ESL V51B <i>ENGM V51B</i>	Academic Writing and Grammar II	3 Units
Recommended preparation:	<i>ENGM V32 and ENGM ESL V42 or the equivalent; and concurrent enrollment in ENGL V08A or V08B or ESL ENGM V53A or V53B</i>	
Hours:	2 lecture, 3 laboratory weekly	

This academic writing and grammar course is for advanced multilingual students who need to develop their skills in English grammar and usage. Students will acquire the word study skills necessary to write cohesive paragraphs and short essays in preparation for academic courses.

Field trips may be required. Formerly ~~ESL V08B~~-*V51B*. Offered on a pass/no pass basis only. Not applicable for degree credit.

ESL V53B <i>ENGM V53B</i>	High-Begin <i>Beginning</i> Reading Comprehension	3.5 Units
Recommended preparation:	Placement as measured by the college assessment process	
Hours:	3 lecture, 1.5 laboratory weekly	

Students will read and analyze short passages of several paragraphs in length. They will also develop a functional academic vocabulary.

Formerly ~~ESL V34B~~-*V53B*. Same as ENGL V08B. Not applicable for degree credit.

ESL V54 <i>ENGM V54</i>	Intermediate Reading Comprehension and Language Acquisition	3.5 Units
Recommended preparation:	ENGL V08A or ENGL V08B or ESL ENGM V53A or ESL ENGM V53B or placement as measured by the college assessment process.	
Hours:	3 lecture, 1.5 laboratory weekly	

This is an intermediate-level reading course that is designed to help students improve their reading comprehension at the level of the short essay. They will individually develop their vocabularies and learn to identify literal and implied main ideas and supporting details at the level of the short essay. They will also read, summarize, paraphrase and analyze short, simple expository passages.

Formerly ~~ESL V33~~ ~~V54~~. Same as ENGL V07. Not applicable for degree credit.

PSY V03	Introduction to Physiological Biological Psychology	3 Units
Hours:	3 lecture weekly	

This course ~~provides an overview of basic psychological concepts from the perspective of brain-behavior research~~ *introduces the scientific study of the biological bases of behavior and its fundamental role in the neurosciences*. The course emphasizes the anatomy and physiology of the central nervous system, and their relationship to states of consciousness, drug use, biological drives and rhythms, emotions, sexuality, learning and memory, cognitive behavior including speech and language, brain pathology and mental disorders.

Formerly Psych 3. Transfer credit: CSU; UC.

PSY V07	Introduction to Experimental Psychology <i>Research Methods in Social and Behavioral Sciences</i>	3 Units
Prerequisite:	PSY V01 and PSY V04	
Corequisite:	PSY V07L	
Hours:	3 lecture weekly	

This course introduces basic concepts, issues, and principles of scientific research as they apply to behavior and psychological processes. Strategies involved in searching the psychological literature will be presented to assist students in developing a research hypothesis. Ethical issues relevant to conducting research in ~~psychology~~ *the social and behavioral sciences* will also be discussed. Students will design *and conduct* an experiment using appropriate research methodology, with emphasis on the scientific method, ~~rather than correlational or in addition to correlational and~~ observational studies. Experimental data will be analyzed using ~~appropriate statistical software and computer application related to statistics and research~~. *Appropriate* parametric or nonparametric statistical tests ~~to~~ *will* guide in making decisions regarding the experimental hypothesis. Students will write a research report following APA guidelines and format.

Formerly Psych 7. Transfer credit: CSU; UC.

PSY V07L	Introduction to Experimental Psychology <i>Research Methods in Social and Behavioral</i> <i>Sciences Laboratory</i>	1 Unit
Corequisite:	PSY V07	
Hours:	3 lecture weekly	

This course provides a laboratory adjunct to experimental psychology. Class experiments will be performed to provide students with practice and demonstration of scientific methodology and controlled procedure through the use of appropriate instrumentation. Class experiments will be selected from the following topics: psychophysics, sensation, perception, cognition, learning, memory, psycholinguistics, levels of consciousness, social psychology, human factor psychology, and other behaviors that can be investigated through scientific inquiry. As a final project, ~~students~~ *student* will design and conduct an experiment, statistically analyze data through the use of ~~computers~~, *statistical software and computer application*, and generate appropriate conclusions. Students will write a research report following APA guidelines and will present the results of the experiment to the class in the form of an oral presentation.

Formerly Psych 7L. Transfer credit: CSU; UC.

New Degree

Associate of Science Degree in Business Administration for Transfer

The Associate of Science Degree in Business Administration for Transfer prepares students for upper division coursework at the university level. This comprehensive curriculum covers the fundamental principles of business, accounting, economics, statistical analysis, business law and communication within organizations. Critical thinking and social responsibility in a dynamic global economy are emphasized.

A student graduating with an Associate of Science Degree in Business Administration for Transfer may transfer to a four-year institution to complete a Bachelor's Degree. Because of the broad scope of subject matter, business is an excellent preparation for a wide range of career paths, including accounting, business management, non-profit management, finance, teaching, and entrepreneurship.

To earn an Associate of Science Degree in Business Administration for Transfer, students must complete:

- 1) Certified completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including both of the following:
 - a) The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education-Breadth requirements.
 - b) A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
- 2) Obtainment of a minimum grade point average of 2.0.

REQUIRED CORE:

		Units
BUS V01A	Financial Accounting	4
BUS V01B	Managerial Accounting	4
ECON V01A	Principles of Macroeconomics	3
ECON V01B	Principles of Microeconomics	3
BUS V33	Business Law	3
	or	
BUS V53	Legal Environmental Business	3

LIST A:

Select one (1) of the following courses:

MATH V44	Elementary Statistics	4
MATH V46	Applied Calculus	4
PSY V04	Introductory Statistics for the Social and Behavioral Sciences	4

LIST B:

Select two (2) of the following courses:

BUS V17	Computer Applications	3
BUS V30	Introduction to Business	3
BUS V45	Business Communications	3
Any course from List A not already chosen		4

TOTAL UNITS

27-28

Associate of Arts Degree in Kinesiology for Transfer

Kinesiology is a multi-faceted field of study in which movement or physical activity is the intellectual focus. The areas of instruction include exercise and sport biomechanics, history, philosophy, physiology, biochemistry and molecular/cellular physiology, psychology, and sociology, motor behavior, measurement and evaluation, physical fitness and sports medicine. Kinesiology classes offer students an opportunity to prepare for transfer to bachelor's degree programs in Kinesiology, Exercise Science, Physical Education, Physical Therapy, Athletic Training, Coaching and Fitness Management. Students may obtain an Associate of Arts Degree in Kinesiology (AA-T) and optimize preparation for advanced degrees in Kinesiology at four-year institutions. Typical employment opportunities in the field are in the areas of coaching, personal or group training, fitness instruction, fitness specialists, physical therapy assistants, recreation, as well as managerial positions in athletics and recreation centers.

To earn an Associate of Arts Degree in Kinesiology for Transfer, students must complete:

- 1) Certified completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including both of the following:
 - a. The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education-Breadth requirements.
 - b. A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
- 2) Obtainment of a minimum grade point average of 2.0.

REQUIRED CORE:

		UNITS
KIN V81	Introduction to Kinesiology	3
ANAT V01	Anatomy	4
or	or	
ANPH V01	Anatomy/Physiology	5
PHSO V01	Physiology	4
or	or	
ANPH V01	Anatomy/Physiology	5

Select three (3) courses (maximum 4.5 units) from any of the following six (6) areas. No more than one course per area.

1) AQUATICS AREA:

KIN V02	Swimming: Beginning	1.5
KIN V03	Swimming: Intermediate	1.5
KIN V04	Swimming: Advanced	1.5
KIN V06	Swimming for Conditioning	1.5
KIN V08	Water Aerobics	1.5

2) COMBATIVES AREA:

KIN V16	Aerobic Kickboxing	1.5
KIN V50	Aikido	1.5
KINV52	Self-Defense and Assault Prevention	1.5

3) DANCE AREA:

DANC V10A		1.5
DANC V13A	Modern Dance I	1.5
DANC V15A	Tap Dance I	1.5
DANC V23	Ballet I	1.5
DANC V27	Ballroom Dance	1.5
DANC V29A	Street Dance	1.5
	Jazz Dance I	

4)FITNESS AREA:

KIN V10	Aerobic and Strength Training:	1.5
	Cross-Training for Fitness	
KIN V12	Bicycle Conditioning: Spinning	1.5
KIN V14	Step Aerobics	1.5
KIN V20	Walking to Restore Fitness	1.5
KIN V22	Running for Fitness	1.5
KIN V28	Conditioning: Designed for Women	1.5

5)INDIVIDUAL SPORTS AREA:

KIN V42		1.5
KIN V44	Golf	1.5
KIN V58	Tennis	1.5
KIN V59	Tennis: Advanced	1.5
	Track and Field	

6)TEAM SPORTS AREA:

KIN V40		1.5
KIN V47	Basketball	1.5
KIN V48	Volleyball	1.5
KIN V62	Soccer	1.5
KIN V64	Volleyball Advanced	1.5
KIN V66	Softball	1.5
KIN V69	Baseball	1.5
	Football	1.5

List A (select two): 6-10 units

MATH V44 or	Elementary Statistics or	4
PSY V04	Introductory Statistics for the Social and Behavioral Sciences	4
BIOL V01-V01L or	Principles of Biology &	3-1
BIOL V12	Laboratory or	3
	Principles of Human Biology	
CHEM V01-V01L or		3-2
CHEM V20-V20L	General Chemistry I &	4-1
	Laboratory or	
PHYS V01 or	Elementary Chemistry &	5
PHYS V02-V02L	Laboratory	4-1
KIN V80	Elementary Physics or	3
	General Physics & Laboratory	
	First Aid, Safety, AED, and CPR for the Professional	

18.5-25.5

Revised Degree

Associate in Science Degree Certificate of Achievement

BUSINESS MANAGEMENT

REQUIRED COURSES:		Units
<i>BUS V03</i>	<i>Introduction to Accounting</i>	3
<i>BUS V30</i>	<i>Introduction to Business</i>	3
<i>BUS V17 (was BIS V40)</i>	<i>Computer Applications</i>	3
BUS V31/SUP V94	Organization and Management	3
BUS V38/CD V38	Small Business Management	3
<i>BUS V45</i>	<i>Business Communications</i>	3
REQUIRED ADDITIONAL COURSES:		
Select one (1) of the following sequences:		
BUS V01A-V01B	Financial Accounting & Managerial Accounting	4-4
BUS V03-V01A	Introduction to Accounting and Financial Accounting	3-4
BUS V07A-V07B	Business Calculations and Business and Using Excel	2.5-2.5
Select one (1) of the following courses:		
<i>BUS V32/SUP V93</i>	<i>Human Resource Management</i>	3
BUS V33	Business Law	3
BUS V53	Legal Environment of Business	3
Select four (4) <i>one (1)</i> of the following courses:		
BUS V30	Introduction to Business	3
BUS V32/SUP V93	Human Resource Management	3
BUS V34	Exercise in Management Decision Making	3
<i>BUS V38/CD V38</i>	<i>Small Business Management</i>	3
BUSV40/SUP V96	Organizational Behavior	3
BUS V43	Introduction to International Business	3
BUS V44/SUP V81	Business English	3
BUS V45	Business Communications	3
BIS V40	Computer Applications in Business	3
Select at least one (1) unit from the following courses:		
BIS V44A	Microsoft Word I	2
BIS V70	Computer Fundamentals	2
BIS V71 A	Introduction to the Internet, the Web, and e-mail	1
BIS V71B	Using the Web for Research	1
BIS V71C	Creating a Web Page	1
BIS V76A-V76B	Microsoft Excel for Windows I & II	1-1
		27-31
		21

Recommended courses: In addition to the required courses listed above, it is recommended that students who seek to obtain additional insight into the field of study consider taking one or more of the following courses: BUS V02, V40, V43, V44; CS V04; ECON V01A; SUP V81, V90, V96. Although these supplemental courses may be

of value to the student, please note that they do **NOT** satisfy the requirements for this degree.

MOORPARK COLLEGE

New Degrees/Programs

History – AA-T

Revised Courses

ENGL M122A/B

Independent Studies in - English

~~40.5~~ to 3 Units

New Degrees/Programs

History AA-T

History is an evolving record of human emotion, human aspiration, human frustration, and human success. Historians study the goals, fears, interests, opinions, and prejudices of people in the past. What made people the way they were? What is the impact of their thought and action on people today and what is their impact on people tomorrow? As a study of people, history offers both a necessary understanding of one's place in the human experience, and the conceptual framework for a lifelong avocation.

To earn an Associate in Arts in History for Transfer (AA-T) degree, students must complete 18 specified units plus the California State University (CSU) GE or Intersegmental General Education Transfer Curriculum (IGETC) requirements and/or additional transfer electives for a total of 60 CSU transferable units with a minimum of a 2.0 grade point average. The AA-T in History is intended for students who plan to complete a bachelor's degree in History, or a similar major at a CSU campus. Students completing this degree (AA-T) are guaranteed admission to the CSU system but not necessarily to a particular campus or major of choice. Students should consult with a counselor for more information on university admission and transfer requirements as this AA-T in History degree may not be the best option for students intending to transfer to a particular CSU campus or to a college or university that is not part of the CSU system.

Core Courses:	Units
HIST M07A Social and Political History of the United States I.....	3.0
HIST M07B Social and Political History of the United States II.....	3.0

List A (6 semester units):	Units
HIST M01A Western Civilization I	3.0
AND	
HIST M01B Western Civilization II	3.0
OR	
HIST M20A World History I	3.0
AND	
HIST M20B World History II	3.0

List B (6 semester units, one course from each of the following areas):	Units
Group 1: Diversity	
HIST M03A African American History to 1877	3.0
HIST M03B African American History Since 1877	3.0
HIST M04 History of Mexican Americans in the United States	3.0
HIST M06 History of the American Indian.....	3.0
HIST M12 History of American Women	3.0

HIST M12H	Honors: History of American Women	3.0
HIST M14	Race and Gender in American History.....	3.0

Group 2: Other History

HIST M08	History of California	3.0
HIST M09	Latin American History	3.0
HIST M15	Asian Civilization I	3.0
HIST M16	Asian Civilization II	3.0
HIST M25	History of the United States	3.0
HIST M25H	Honors: History of the United States	3.0

Any course not used from List A.

TOTAL UNITS18.0

Revised Courses

ENGL M122A/B	Independent Studies in - English	10.5 to 3 Units
Prerequisites:	A previous Completion of one course in English and instructor approval	
Hours:	1.5 to 39 as arranged	

Allows an independent **study for students who wish project (approved by instructor and dean)** to ~~expand~~ **extend their** knowledge of a **particular area of** English through research, ~~lab work or field trips and study~~. **Utilizes an approved independent project.** Includes one-on-one work with instructor. **Interested students should contact an English instructor for assistance in developing a contract for learning about a specific topic.** May be taken for a maximum of six (6) units. **(Formerly ENGL M22A/B.)** Applies to Associate Degree. Transfer credit: CSU; UC (determined after admission)

OXNARD COLLEGE

New Course

CAOT R198	Short Courses in Computer Applications and Office Technology	.5-10
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Revised Courses

DA R010	Introduction to Dental Assisting	3
DA R011	Beginning Radiology	3
DA R012	Dental Materials for the DA	3
DA R013	Occupational Health	1
DA R014	Introduction to Chairside Dental Assisting	2
DA R015	Dental Specialties	2
DA R020	Advanced Dental Assisting	2
DA R021	Practice Management for the Dental Assistant	3
DA R022	Clinical Dental Experiences	3
DA R023	Ethics and Jurisprudence for the Dental Assistant	1
DA R024	Dental Assisting Seminar	2
DA R025	Dental Health Education for the Dental Assistant	2
EMT R169	Emergency Medical Technician	6

Revised Program

Biology

OXNARD COLLEGE

New Course

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CAOT R198	Short Courses in Computer Applications and Office Technology	.5-10 Units
Hours:	Lecture and/or lab hours as required by unit formula	

This class offers courses in selected areas of compute applications and office technologies to meet specific needs of college or community as required or requested by persons whose needs are not met by regular course offerings. Pass/No Pass at Student's Option *Transfer credit: CSU*

OXNARD COLLEGE

Revised Courses

Page 3

DA R010 Introduction to Dental Assisting 3 Units
Hours: 3.0 lecture
Prerequisite: Admittance to Dental Assisting program per application process
Corequisite: **DA R011, DA R012, DA R013, DA R014, DA R015**

This class is an introduction to dental assisting, dental terminology, basic anatomy of the oral cavity, dental anatomy and physiology, oral embryology, tooth morphology, classifications of restorations, preliminary oral inspection, charting existing conditions of the hard and soft tissues, taking and recording vitals signs and the introduction to systemic conditions which may affect dental care. Field trips will be required.

DA R011 Beginning Radiology 3 Units
Hours: 2.0 lecture; 1.5 lab; 1.5 clinical
Prerequisite: Admittance to Dental Assisting program per application process
Corequisite: **DA R010, DA R012, DA R013, DA R014, DA R015**

This course teaches the fundamentals of radiation safety and the operation of dental radiology equipment, along with the clinical application of procedures involved in exposing, processing, mounting and interpreting dental radiographs. ~~Materials fee is required.~~

DA R012 Dental Materials for the DA 3 Units
Hours: 2.0 lecture; 3.0 lab
Prerequisite: Admittance to Dental Assisting program per application process
Corequisite: **DA R010, DA R011, DA R013, DA R014, DA R015**

This course teaches the composition and use of restorative materials, impressions materials, pouring dental impressions, the procedural steps in using composite resin material, temporary restorative materials used in dentistry and the role of the dental team in the various procedures performed. ~~Materials fee is required.~~

DA R013 Occupational Health 1 Unit
Hours: 1.0 lecture
Prerequisite: Admittance to Dental Assisting program per application process
Corequisite: **DA R010, DA R011, DA R012, DA R014, DA R015**

This course teaches the dental assistant the rules and regulations in a dental office that are required by the federal, state and local regulations concerning the handling of hazardous chemicals, employee safety and waste management.

OXNARD COLLEGE

Revised Courses

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DA R014	Introduction to Chairside Dental Assisting	2 Units
Hours:	0.0 lecture; 6.0 lab	
Prerequisite:	Admittance to Dental Assisting program per application process	
Corequisite:	DA R010, DA R011, DA R012, DA R013, DA R015	

This class is an introduction to the chairside dental assistant, preparing the patient for dental treatment, positioning of the patient, operator and assistant for fourhanded and six-handed dentistry. Students will learn how to obtaining patient health history and vital signs, treatment planning and data gathering. In addition, instrument grasp/transfer, triplex syringe use, oral evacuation and retraction will be taught. Identification and use of hand instruments, equipment maintenance, tub, tray and cassette set-ups of the basic general dental procedures will be learned. ~~Materials fee is required.~~

DA R015	Dental Specialties	2 Units
Hours:	1.0 lecture; 3.0 lab	
Prerequisite:	Admittance to Dental Assisting program per application process	
Corequisite:	DA R010, DA R011, DA R012, DA R013, DA R014	

This course provides instruction in assisting and instrumentation for the following specialties in dentistry: orthodontics, endodontics, periodontics, removable prosthodontics, pediatric dentistry and oral maxillofacial surgery, and assisting in the administration of nitrous oxide. Field trips may be required.

DA R020	Advanced Dental Assisting	2 Units
Hours:	1.0 lecture; 3.0 lab	
Prerequisite:	Successful completion of all first semester Dental Assisting Program courses (DA R010, R011, R012, R013, R014, & R015)	
Corequisite:	DA R021, DA R022, DA R023, DA R024, DA R025	

This class focuses on the development of the pre-clinical skills required for the registered dental assisting student. Students are required to meet standards of competency for each registered dental assisting task. This class is designed to prepare students for the practical component of the California Registered Dental Assistant examination. Mannequins are used for most instruction. ~~Materials fee is required.~~

DA R021	Practice Management for the Dental Assistant	3 Units
Hours:	2.0 lecture; 3.0 lab	
Prerequisite:	Successful completion of all first semester Dental Assisting Program courses (DA R010, DA R011, DA R012, DA R013, DA R014, and R015)	
Corequisite:	DA R020, DA R022, DA R023, DA R024, DA R025	

This class focuses on instruction for the non-clinical functions which dental assistants are required to perform with emphasis on: financial arrangements, collection techniques, completing insurance forms, and maintaining current insurance records, office mail, dental office computer systems, group practice, inventory, marketing, purchasing, payroll, tax records, disbursements, and petty cash. Students will learn soft dent integrated record system.

OXNARD COLLEGE

Revised Courses

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DA R022	Clinical Dental Experiences	3 Units
Hours:	1.0 lecture; 6.0 lab	
Prerequisite:	Successful completion of all first semester Dental Assisting Program courses (DA R010, R011, R012, R013, R014, & R015)	
Corequisite:	DA R020, DA R022, DA R023, DA R024, DA R025	

This class incorporates practical experience working in a private practice in all fields of dentistry through a clinical externship. Experiences are in chairside and office management techniques, with emphasis on performance of Registered Dental Assistant tasks. Seminars are used to evaluate and review clinical application. Written reports are required. Field trips may be required.

DA R023	Ethics and Jurisprudence for the Dental Assistant	1 Unit
Hours:	1.0 lecture	
Prerequisite:	Successful completion of all first semester Dental Assisting Program courses (DA R010, DAR011, R012, R013, DA R020, DA R021 DA R022, DA R023, DA R025	
Corequisite:	DA R020, DA R021 DA R022, DA R024, DA R025	

This class is the study of the fundamental factors necessary to be employed. The scope of dental assistant practice within the ethical and legal framework of the State Dental Practice Act, and the Code of Ethics of the American Dental Association are explored.

DA R024	Dental Assisting Seminar	2 Units
Hours:	2.0 lecture	
Prerequisite:	Successful completion of all first semester Dental Assisting Program courses (DA R010, R011, R012, R013, R014, & R015)	
Corequisite:	DA R020, DA R021 DA R022, DA R023, DA R025	

This class focuses on the preparation for the dental assisting certificate examination.

DA R025	Dental Health Education for the Dental Assistant	2 Units
Hours:	2.0 lecture	
Prerequisite:	Successful completion of all first semester Dental Assisting Program courses (DA R010, DAR011, R012, R013, DA R020, DA R021 DA R022, DA R023, DA R025	

This course teaches the principles and practices of prevention and control of dental diseases with emphasis on nutrition, plaque control, motivation, and chairside patient education.

OXNARD COLLEGE

Revised Courses

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EMT R169	Emergency Medical Technician	6 Units
Hours:	5.0 lecture; 3.0 lab	
Prerequisite:	CPR Certification: AHA “Healthcare Provided” or Red Cross “Professional Rescuer”	

This course covers the knowledge and skills necessary for the individual to provide emergency medical care with an ambulance, fire or other specialized service at the BLS (**basic life support**) level. This course is approved by the Ventura County Emergency Medical Services Agency and the California State Department of Emergency Services. Upon successful completion of the skills testing and the course with a grade of B or better, the student will be eligible to take the EMT-~~B~~ National Registry Examination, which is required for certification as an EMT-~~Basic~~. A non-credit ~~40-hour~~ **20-hour** clinical component is required in addition to the classroom time. *Transfer credit: CSU*

Biology

Associate in Arts Degree

Program under revision. See General Studies Degree—Patterns II & III with Natural Sciences or Mathematics emphasis.

The requirements for the A.A. degree in Biology are satisfactory completion of 60 semester units of which 29 semester units must be the required major courses shown below. The additional 31 units should be chosen from the general education degree requirements found in the Oxnard College catalog. Students who plan to transfer to a four-year university should consult the CSU GE-Breadth or IGETC pattern for general education. In addition, all students planning to transfer should consult the assist.org website for guidance on the requirements of their intended major and/or emphasis at the transfer institution. The A.A. in biology is designed primarily for students pursuing a Bachelor of Arts in Biology after transfer.

Required Core Courses:		Units
BIOL R120	Principles of Biology I	4
BIOL R120L	Principles of Biology I Lab: Intro to Cellular and Molecular Biology	1
BIOL R122	Principles of Biology II	4
BIOL R122L	Principles of Biology II Lab	1
BIOL R199	Directed Studies in Biology	2
CHEM R120	General Chemistry I	5
CHEM R122	General Chemistry II	5
MATH R105	Introductory Statistics	<u>5</u>
Required Units from Core Courses		<u>42</u> 25

~~Elective~~ **Required Additional Courses:** Units
~~Students must select at least 15 units from Group A and at least 13 units from Group B.~~
 Group A:

Complete a minimum of 4 units from the following:

CHEM R120	General Chemistry I	5
CHEM R122	General Chemistry II	5
CHEM R130	Organic Chemistry I	5
MATH R105	Introductory Statistics	5
MATH R120	Calculus with Analytic Geometry I	5
MATH R121	Calculus with Analytic Geometry II	5
PHYS R131	Physics for Scientists & Engineers 1	5
PHYS R132	Physics for Scientists & Engineers 2	5

OXNARD COLLEGE**Revised Program****Page 8**

Group B:		Units
BIOL/MST R100	Marine Biology	3
BIOL/MST R100L	Marine Biology Laboratory	1
BIOL R130	Biochemistry	3
BIOL R135	Molecular Biology	3
BIOL R135L	Molecular Biology Laboratory	2
BIOL R140L	Tissue Culture Laboratory	3
BIOL R145L	Applied Microbiology Laboratory	3
BIOL R150L	Biotechnology Laboratory	3
BIOL R170	Biological Marine Resource Management	1
BIOL R199	Directed Studies in Biology	1-3
ESRM R100	Introduction to Environmental Science and Resource Management	3
MATH R120	Calculus with Analytic Geometry I	5
MATH R121	Calculus with Analytic Geometry II	5
MICR R100	Principles of Microbiology	3
MICR R100L	Principles of Microbiology Lab	2
MST R160	Introduction to Research in Natural Resource Management	4
PHSO R101	Human Physiology	5
PHYS R101	College Physics 1	4
PHYS R101L	College Physics 1 Laboratory	1
PHYS R121	Physics with Calculus 1	<u>5</u>
	Required Units from Elective Groups A & B	28
	Required Additional Courses	4
	Total Required Units for the AA in Biology	40 29