

SAN BERNARDINO COMMUNITY COLLEGE DISTRICT

TO: Board of Trustees
FROM: Bruce Baron, Chancellor
REVIEWED BY: Dr. Gloria Fisher, Interim President, SBVC
PREPARED BY: Dr. Haragewen Kinde, Vice President, Instruction SBVC
DATE: January 16, 2014
SUBJECT: Consideration of Approval of Curriculum - SBVC

RECOMMENDATION

It is recommended that the Board of Trustees approve the SBVC curriculum modifications.

OVERVIEW

The courses, certificates and degrees at SBVC are continually created, revised and updated to reflect and meet student needs.

ANALYSIS

These courses, certificates and degrees have been approved by the Curriculum Committee of the Academic Senate and will be included in the 2014-2015 College Catalog.

BOARD IMPERATIVE

II. Learning Centered Institution for Student Access, Retention and Success

FINANCIAL IMPLICATIONS

None

SAN BERNARDINO VALLEY COLLEGE
SUBMITTED FOR BOARD OF TRUSTEE APPROVAL
January 16, 2014

CONTENT REVIEW
NO CHANGES TO COURSE ID, TITLE, HOURS, UNITS, REQUISITES, DESCRIPTIONS

GEOL 111
MUS 201L
PHT 060

Rationale: Content review.

Effective: FA14

NEW COURSE

Course ID: AERO 900

Course Title: Lab Studies in Aviation Maintenance Technology

Units: 1

Laboratory: 3 contact hour(s) per week
48 - 54 contact hours per semester

Prerequisite: AERO 100L and AERO 101L and AERO 102L and AERO 103L and AERO 104L
and AERO 105L

Catalog Description: This course provides additional laboratory instruction for students lacking mandated hours or projects to complete a training certificate.

Schedule Description: This course provides additional laboratory instruction for students lacking mandated hours or projects to complete a training certificate.

Rationale: Course is needed for students to complete required hours and projects for FAA certification that may not have been completed during normal class hours due to illness, employment, or family/life issues.

Effective: FA14

Course ID: ART 124B

Course Title: Intermediate Drawing

Units: 3

Lecture: 2 contact hour(s) per week
32 - 36 contact hours per semester

Laboratory: 3 contact hour(s) per week
48 - 54 contact hours per semester

Prerequisite: ART 124A

Catalog Description: This course is a review of essential concepts of drawing and the development of intermediate-level drawing skills. The focus of instruction will be on the development of an individual thematic approach to drawing and study of complex subject matter, advanced compositional concerns, advanced color theory, traditional and experimental drawing media and surfaces.

Schedule Description: This course is a review of essential concepts of drawing and the development of intermediate-level drawing skills. The focus of instruction will be on the development of an individual thematic approach to drawing and study of complex subject matter, advanced compositional concerns, advanced color theory, traditional and experimental drawing media and surfaces.

Rationale: Leveling ART 124x4

Equate: NO

Repeatability: None

Effective: FA14

Curriculum Meetings: 11-25-13; 12-09-13

Conjoint Meeting: 12-18-13

Board of Trustees Meeting: January 16, 2014

NEW COURSE

Course ID: ART 124C

Course Title: Advanced Drawing

Units: 3

Lecture: 2 contact hour(s) per week
32 - 36 contact hours per semester

Laboratory: 3 contact hour(s) per week
48 - 54 contact hours per semester

Prerequisite: ART 124B

Departmental Advisory: ENGL 914 or eligibility for ENGL 015 as determined by the SBVC assessment process

Catalog Description: This class focuses on how to develop an original body of drawings in various subjects, media and surfaces that reflects knowledge of advanced drawing techniques with a focus on preparing their portfolio for upper division courses at the university and college level and display in the gallery environment. Typical subjects covered in this class will include developing a body of original artwork that expresses the student's personal style, portfolio development for upper division coursework, gallery preparation, presentation of finished artwork with appropriate matting and framing, and writing a formal artist statement.

Schedule Description: This class focuses on how to develop an original body of drawings in various subjects, media, and surfaces that reflects the knowledge of advanced drawing techniques with a focus on preparing their portfolio for upper division courses at the university and college level and display in the gallery environment. Typical subjects covered in this class will include developing a body of original artwork that expresses the student's personal style, portfolio development for upper division coursework, gallery preparation, presentation of finished artwork with appropriate matting and framing, and writing a formal artist statement.

Rationale: Leveling ART 124x4

Equate: NO

Repeatability: None

Effective: FA14

Course ID: ART 132B

Course Title: Intermediate Life Drawing

Units: 3

Lecture: 2 contact hour(s) per week
32 - 36 contact hours per semester

Laboratory: 3 contact hour(s) per week
48 - 54 contact hours per semester

Prerequisite: ART 132A

Catalog Description: This course is a review of essential concepts of figure drawing and development of intermediate-level figure drawing skills with an emphasis on accurate analysis of anatomy, essential structure and further use of traditional and non-traditional drawing materials and surfaces. The student will develop a portfolio of completed figure drawings with an emphasis on the study of advanced compositional concerns. Drawings are based on a live nude model.

Schedule Description: This course is a review of essential concepts of figure drawing and development of intermediate-level figure drawing skills with an emphasis on accurate analysis of anatomy, essential structure and further use of traditional and non-traditional drawing materials and surfaces. The student will develop a portfolio of completed figure drawings with an emphasis on the study of advanced compositional concerns. Drawings are based on a live nude model.

Rationale: Leveling ART 132x4

Equate: NO

Repeatability: None

Effective: FA14

Curriculum Meetings: 11-25-13; 12-09-13

Conjoint Meeting: 12-18-13

Board of Trustees Meeting: January 16, 2014

NEW COURSE

Course ID: ART 132C
Course Title: Advanced Life Drawing
Units: 3
Lecture: 2 contact hour(s) per week
32 - 36 contact hours per semester
Laboratory: 3 contact hour(s) per week
48 - 54 contact hours per semester

Prerequisite: ART 132B

Catalog Description: This course is a continuation of ART 132B. In this class students will develop an original body of life drawings in various media and surfaces that reflect their knowledge of advanced life drawing techniques with a focus on preparing their portfolio for upper division courses at the university and college level and display in the gallery environment. Typical subjects covered in this class will include developing a body of original artwork that expresses the student's personal style, portfolio development for upper division coursework, gallery preparation, presentation of finished artwork with appropriate matting and framing, and writing a formal artist statement. Drawings are based on a live nude model.

Schedule Description: This course is a continuation of ART 132B. In this class students will develop an original body of life drawing in various media and surfaces that reflects their knowledge of advanced life drawing techniques with a focus on preparing their portfolio for upper division courses at the university and college level and display in the gallery environment. Typical subjects covered in this class will include developing a body of original artwork that expresses the student's personal style, portfolio development for upper division coursework, gallery preparation, presentation of finished artwork with appropriate matting and framing, and writing a formal artist statement. Drawings are based on a live nude model.

Rationale: Leveling ART 132x4

Equate: NO

Repeatability: None

Effective: FA14

Course ID: GEOG 100
Course Title: Map Interpretation and Geospatial Analysis
Units: 3
Lecture: 2 contact hour(s) per week
32 - 36 contact hours per semester
Laboratory: 3 contact hour(s) per week
48 - 54 contact hours per semester

Departmental Advisory: ENGL 015 or eligibility for ENGL 101 or ENGL 101H as determined by the SBVC assessment process

Catalog Description: This class is an introduction to maps, images and geospatial techniques and technologies. The technologies covered in this course include map and aerial photograph interpretation, tabular data, spatial statistics, cartography, Global Positioning Systems (GPS), Internet mapping, remote sensing and Geographic Information Systems (GIS), all of which aid in data collection, analysis and presentation. (This course is also offered as GIS 100).

Schedule Description: This class is an introduction to maps, images and geospatial techniques and technologies. The technologies covered in this course include map and aerial photograph interpretation, tabular data, spatial statistics, cartography, Global Positioning Systems (GPS), Internet mapping, remote sensing and Geographic Information Systems (GIS), all of which aid in data collection, analysis and presentation. (This course is also offered as GIS 100).

Rationale: This course will strengthen our AA-T degree, our AS degree and our GIS certificate program.

Cross-List: GIS 100

Effective: FA14

Curriculum Meetings: 11-25-13; 12-09-13

Conjoint Meeting: 12-18-13

Board of Trustees Meeting: January 16, 2014

NEW COURSE

Course ID: GEOG 118

Course Title: California Geography

Units: 3

Lecture: 3 contact hour(s) per week
48 - 54 contact hours per semester

Departmental Advisory: ENGL 015 or eligibility for ENGL 101 or ENGL 101H as determined by the SBVC assessment process

Catalog Description: This course provides a thematic approach to the state's issues, processes and topics relevant to geography including climate, landforms, natural vegetation, water resources, cultural landscape, ethnic diversity, urban and agricultural regions, and the economy. This course explores the physical and human landscapes that have evolved as a result of the human-environment interface.

Schedule Description: This course provides a thematic approach to the state's issues, processes and topics relevant to geography including climate, landforms, natural vegetation, water resources, cultural landscape, ethnic diversity, urban and agricultural regions, and the economy. This course explores the physical and human landscapes that have evolved as a result of the human-environment interface.

Rationale: This new course expands the courses offered at SBVC that have C-ID descriptors. It also will give students more options for their AA-T degree in geography.

Effective: FA14

Course ID: GIS 100

Course Title: Map Interpretation and Geospatial Analysis

Units: 3

Lecture: 2 contact hour(s) per week
32 - 36 contact hours per semester

Laboratory: 3 contact hour(s) per week
48 - 54 contact hours per semester

Departmental Advisory: ENGL 015 or eligibility for ENGL 101 or ENGL 101H as determined by the SBVC assessment process

Catalog Description: This class is an introduction to maps, images and geospatial techniques and technologies. The technologies covered in this course include map and aerial photograph interpretation, tabular data, spatial statistics, cartography, Global Positioning Systems (GPS), Internet mapping, remote sensing and Geographic Information Systems (GIS), all of which aid in data collection, analysis and presentation. (This course is also offered as GEOG 100).

Schedule Description: This class is an introduction to maps, images and geospatial techniques and technologies. The technologies covered in this course include map and aerial photograph interpretation, tabular data, spatial statistics, cartography, Global Positioning Systems (GPS), Internet mapping, remote sensing and Geographic Information Systems (GIS), all of which aid in data collection, analysis and presentation. (This course is also offered as GEOG 100).

Rationale: This course will strengthen our AA-T degree, our AS degree and our GIS certificate program.

Cross-List: GIS 100

Effective: FA14

Curriculum Meetings: 11-25-13; 12-09-13

Conjoint Meeting: 12-18-13

Board of Trustees Meeting: January 16, 2014

NEW COURSE

Course ID: GIS 134
Course Title: Data Acquisition and Management
Units: 3
Lecture: 2 contact hour(s) per week
32 - 36 contact hours per semester
Laboratory: 3 contact hour(s) per week
48 - 54 contact hours per semester
Prerequisite: GIS 130

Catalog Description: This course addresses the interpretation and understanding of a variety of data formats available in GIS. It introduces the fundamental concepts of primary GIS data creation and discusses quantitative techniques for collection, classification, and management of geographical data.

Schedule Description: This course addresses the interpretation and understanding of a variety of data formats available in GIS. It introduces the fundamental concepts of primary GIS data creation and discusses quantitative techniques for collection, classification, and management of geographical data.

Rationale: This course will strengthen our AA-T degree, our AS degree and our GIS certificate program.

Effective: FA14

Course ID: KINF 105B
Course Title: Intermediate Low Impact Aerobics
Units: 1
Laboratory: 3 contact hour(s) per week
48 - 54 contact hours per semester

Departmental Advisory: KINF 105A

Catalog Description: This course is designed to teach intermediate level fitness concepts and movement skills to enhance strength, flexibility, endurance, movement memory, balance, coordination, and cardiovascular fitness. Students will also learn how to design a basic step aerobics program.

Schedule Description: This course is designed to teach intermediate level fitness concepts and movement skills to enhance strength, flexibility, endurance, movement memory, balance, coordination, and cardiovascular fitness. Students will also learn how to design a basic step aerobics program.

Rationale: Leveling PE/I 105x4

Equate: NO

Repeatability: None

Effective: FA14

Curriculum Meetings: 11-25-13; 12-09-13

Conjoint Meeting: 12-18-13

Board of Trustees Meeting: January 16, 2014

NEW COURSE

Course ID: KINF 105C

Course Title: Advanced Low Impact Aerobics

Units: 1

Laboratory: 3 contact hour(s) per week
48 - 54 contact hours per semester

Departmental Advisory: KINF 105B

Catalog Description: This course is designed to teach advanced level fitness concepts and movement skills to enhance strength, flexibility, endurance, movement memory, balance, coordination, and cardiovascular fitness. Students will also learn how to design an intermediate level step aerobics program.

Schedule Description: This course is designed to teach advanced level fitness concepts and movement skills to enhance strength, flexibility, endurance, movement memory, balance, coordination, and cardiovascular fitness. Students will also learn how to design an intermediate level step aerobics program.

Rationale: Leveling PE/I 105x4

Equate: NO

Repeatability: None

Effective: FA14

Course ID: KINF 108B

Course Title: Intermediate Weight Training

Units: 1

Laboratory: 3 contact hour(s) per week
48 - 54 contact hours per semester

Departmental Advisory: KINF 108A

Catalog Description: The course is designed to teach safe and proper intermediate level techniques for resistance exercises, including multi-joint movements. Students will use free weights and universal machines to develop muscle strength and endurance. Students of all ability levels will receive individual instruction and create personally tailored programs.

Schedule Description: The course is designed to teach safe and proper intermediate level techniques for resistance exercises, including multi-joint movements. Students will use free weights and universal machines to develop muscle strength and endurance. Students of all ability levels will receive individual instruction and create personally tailored programs.

Rationale: Leveling PE/I 108x4

Equate: NO

Repeatability: None

Effective: FA14

Curriculum Meetings: 11-25-13; 12-09-13

Conjoint Meeting: 12-18-13

Board of Trustees Meeting: January 16, 2014

NEW COURSE

Course ID: KINF 108C

Course Title: Advanced Weight Training

Units: 1

Laboratory: 3 contact hour(s) per week
48 - 54 contact hours per semester

Departmental Advisory: KINF 108B

Catalog Description: The course is designed to teach safe and proper advanced level technique for resistance exercises. Students will use free weights, olympic platforms, and universal machines to develop muscle strength and endurance through multi-joint and Olympic lift exercises. Students of all ability levels will receive individual instruction and create personally tailored programs.

Schedule Description: The course is designed to teach safe and proper advanced level technique for resistance exercises. Students will use free weights, olympic platforms, and universal machines to develop muscle strength and endurance through multi-joint and Olympic lift exercises. Students of all ability levels will receive individual instruction and create personally tailored programs.

Rationale: Leveling PE/I 108x4

Equate: NO

Repeatability: None

Effective: FA14

Course ID: KINF 142A

Course Title: Beginning Conditioning for Sports

Units: 1

Laboratory: 3 contact hour(s) per week
48 - 54 contact hours per semester

Prerequisite: None

Catalog Description: This course is designed to teach beginning level students muscular strength and endurance exercises, flexibility and core training skills and cardiovascular fitness. It is geared toward improving skills for participation in sports.

Schedule Description: This course is designed to teach beginning level students muscular strength and endurance exercises, flexibility and core training skills and cardiovascular fitness. It is geared toward improving skills for participation in sports.

Rationale: Increased course offerings for students as well as an additional option for the Kinesiology TMC and A.A. degree requirement.

Effective: FA14

Curriculum Meetings: 11-25-13; 12-09-13

Conjoint Meeting: 12-18-13

Board of Trustees Meeting: January 16, 2014

NEW COURSE

Course ID: KINF 142B
Course Title: Intermediate Conditioning for Sports
Units: 1
Laboratory: 3 contact hour(s) per week
48 - 54 contact hours per semester

Departmental Advisory: KINF 142A

Catalog Description: This course is designed to teach intermediate level students muscular strength and endurance exercises, flexibility and core training skills and cardiovascular fitness. It is geared toward improving skills for participation in sports.

Schedule Description: This course is designed to teach intermediate level students muscular strength and endurance exercises, flexibility and core training skills and cardiovascular fitness. It is geared toward improving skills for participation in sports.

Rationale: Increased course offerings for students as well as an additional option for the Kinesiology TMC and A.A. degree requirement.

Effective: FA14

Course ID: KINF 142C
Course Title: Advanced Conditioning for Sports
Units: 1
Laboratory: 3 contact hour(s) per week
48 - 54 contact hours per semester

Departmental Advisory: KINF 142B

Catalog Description: This course is designed to teach advanced level students muscular strength and endurance exercises, flexibility and core training skills and cardiovascular fitness. It is geared toward improving skills for participation in sports.

Schedule Description: This course is designed to teach advanced level students muscular strength and endurance exercises, flexibility and core training skills and cardiovascular fitness. It is geared toward improving skills for participation in sports.

Rationale: Increased course offerings for students as well as an additional option for the Kinesiology TMC and A.A. degree requirement.

Effective: FA14

Course ID: KINX 112Bx3
Course Title: Intercollegiate Football - Offense Pre-Season Athletics
Units: 1
Laboratory: 3 contact hour(s) per week
48 - 54 contact hours per semester

Prerequisite: None

Catalog Description: This course is designed for pre-season intercollegiate athletics conditioning which includes: strength training, cardiovascular conditioning, drill techniques and game play in preparation for competition. **LIMITATION ON ENROLLMENT: ENROLLMENT IS BASED ON A SUCCESSFUL TRYOUT.**

Schedule Description: This course is designed for pre-season intercollegiate athletics conditioning which includes: strength training, cardiovascular conditioning, drill techniques and game play in preparation for competition. **LIMITATION ON ENROLLMENT: ENROLLMENT IS BASED ON A SUCCESSFUL TRYOUT.**

Rationale: New courses created to align content with updated TOPS codes for physical education and athletics courses.

Effective: FA14

Curriculum Meetings: 11-25-13; 12-09-13
Conjoint Meeting: 12-18-13
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NEW COURSE

Course ID: KINX 112Cx3
Course Title: Intercollegiate Football - Offense Off-Season Athletics
Units: 2
Laboratory: 6 contact hour(s) per week
96 - 108 contact hours per semester

Prerequisite: None

Catalog Description: This course is designed for off-season sports conditioning in preparation for athletic participation. The course includes sport specific training with the purpose of developing areas of individual weaknesses. **LIMITATION ON ENROLLMENT: ENROLLMENT IS BASED ON A SUCCESSFUL TRYOUT.**

Schedule Description: This course is designed for off-season sports conditioning in preparation for athletic participation. The course includes sport specific training with the purpose of developing areas of individual weaknesses. **LIMITATION ON ENROLLMENT: ENROLLMENT IS BASED ON A SUCCESSFUL TRYOUT.**

Rationale: New courses created to align content with updated TOPS codes for physical education and athletics courses.

Effective: FA14

Course ID: KINX 113Bx3
Course Title: Intercollegiate Football - Defense Pre-Season Athletics
Units: 1
Laboratory: 3 contact hour(s) per week
48 - 54 contact hours per semester

Prerequisite: None

Catalog Description: This course is designed for pre-season intercollegiate athletics conditioning which includes: strength training, cardiovascular conditioning, drill techniques and game play in preparation for competition. **LIMITATION ON ENROLLMENT: ENROLLMENT IS BASED ON A SUCCESSFUL TRYOUT.**

Schedule Description: This course is designed for pre-season intercollegiate athletics conditioning which includes: strength training, cardiovascular conditioning, drill techniques and game play in preparation for competition. **LIMITATION ON ENROLLMENT: ENROLLMENT IS BASED ON A SUCCESSFUL TRYOUT.**

Rationale: New courses created to align content with updated TOPS codes for physical education and athletics courses.

Effective: FA14

Course ID: KINX 113Cx3
Course Title: Intercollegiate Football - Defense Off-Season Athletics
Units: 2
Laboratory: 6 contact hour(s) per week
96 - 108 contact hours per semester

Prerequisite: None

Catalog Description: This course is designed for off-season sports conditioning in preparation for athletic participation. The course includes sport specific training with the purpose of developing areas of individual weaknesses. **LIMITATION ON ENROLLMENT: ENROLLMENT IS BASED ON A SUCCESSFUL TRYOUT.**

Schedule Description: This course is designed for off-season sports conditioning in preparation for athletic participation. The course includes sport specific training with the purpose of developing areas of individual weaknesses. **LIMITATION ON ENROLLMENT: ENROLLMENT IS BASED ON A SUCCESSFUL TRYOUT.**

Rationale: New courses created to align content with updated TOPS codes for physical education and athletics courses.

Effective: FA14

Curriculum Meetings: 11-25-13; 12-09-13

Conjoint Meeting: 12-18-13

Board of Trustees Meeting: January 16, 2014

NEW COURSE

Course ID: KINX 114Bx3
Course Title: Intercollegiate Soccer - Men Pre-Season Athletics
Units: 1
Laboratory: 3 contact hour(s) per week
48 - 54 contact hours per semester

Prerequisite: None

Catalog Description: This course is designed for pre-season intercollegiate athletics conditioning which includes: strength training, cardiovascular conditioning, drill techniques and game play in preparation for competition. **LIMITATION ON ENROLLMENT: ENROLLMENT IS BASED ON A SUCCESSFUL TRYOUT.**

Schedule Description: This course is designed for pre-season intercollegiate athletics conditioning which includes: strength training, cardiovascular conditioning, drill techniques and game play in preparation for competition. **LIMITATION ON ENROLLMENT: ENROLLMENT IS BASED ON A SUCCESSFUL TRYOUT.**

Rationale: New courses created to align content with updated TOPS codes for physical education and athletics courses.

Effective: FA14

Course ID: KINX 114Cx3
Course Title: Intercollegiate Soccer - Men Off-Season Athletics
Units: 2
Laboratory: 6 contact hour(s) per week
96 - 108 contact hours per semester

Prerequisite: None

Catalog Description: This course is designed for off-season sports conditioning in preparation for athletic participation. The course includes sport specific training with the purpose of developing areas of individual weaknesses. **LIMITATION ON ENROLLMENT: ENROLLMENT IS BASED ON A SUCCESSFUL TRYOUT.**

Schedule Description: This course is designed for off-season sports conditioning in preparation for athletic participation. The course includes sport specific training with the purpose of developing areas of individual weaknesses. **LIMITATION ON ENROLLMENT: ENROLLMENT IS BASED ON A SUCCESSFUL TRYOUT.**

Rationale: New courses created to align content with updated TOPS codes for physical education and athletics courses.

Effective: FA14

Course ID: KINX 115Bx3
Course Title: Intercollegiate Soccer - Women Pre-Season Athletics
Units: 1
Laboratory: 3 contact hour(s) per week
48 - 54 contact hours per semester

Prerequisite: None

Catalog Description: This course is designed for pre-season intercollegiate athletics conditioning which includes: strength training, cardiovascular conditioning, drill techniques and game play in preparation for competition. **LIMITATION ON ENROLLMENT: ENROLLMENT IS BASED ON A SUCCESSFUL TRYOUT.**

Schedule Description: This course is designed for pre-season intercollegiate athletics conditioning which includes: strength training, cardiovascular conditioning, drill techniques and game play in preparation for competition. **LIMITATION ON ENROLLMENT: ENROLLMENT IS BASED ON A SUCCESSFUL TRYOUT.**

Rationale: New courses created to align content with updated TOPS codes for physical education and athletics courses.

Effective: FA14

Curriculum Meetings: 11-25-13; 12-09-13

Conjoint Meeting: 12-18-13

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NEW COURSE

Course ID: KINX 115Cx3

Course Title: Intercollegiate Soccer - Women Off-Season Athletics

Units: 2

Laboratory: 6 contact hour(s) per week

96 - 108 contact hours per semester

Prerequisite: None

Catalog Description: This course is designed for off-season sports conditioning in preparation for athletic participation. The course includes sport specific training with the purpose of developing areas of individual weaknesses. **LIMITATION ON ENROLLMENT: ENROLLMENT IS BASED ON A SUCCESSFUL TRYOUT.**

Schedule Description: This course is designed for off-season sports conditioning in preparation for athletic participation. The course includes sport specific training with the purpose of developing areas of individual weaknesses. **LIMITATION ON ENROLLMENT: ENROLLMENT IS BASED ON A SUCCESSFUL TRYOUT.**

Rationale: New courses created to align content with updated TOPS codes for physical education and athletics courses.

Effective: FA14

Course ID: KINX 130Bx3

Course Title: Intercollegiate Baseball Pre-Season Athletics

Units: 2

Laboratory: 6 contact hour(s) per week

96 - 108 contact hours per semester

Prerequisite: None

Catalog Description: This course is designed for pre-season intercollegiate athletics conditioning which includes: strength training, cardiovascular conditioning, drill techniques and game play in preparation for competition. **LIMITATION ON ENROLLMENT: ENROLLMENT IS BASED ON A SUCCESSFUL TRYOUT.**

Schedule Description: This course is designed for pre-season intercollegiate athletics conditioning which includes: strength training, cardiovascular conditioning, drill techniques and game play in preparation for competition. **LIMITATION ON ENROLLMENT: ENROLLMENT IS BASED ON A SUCCESSFUL TRYOUT.**

Rationale: New courses created to align content with updated TOPS codes for physical education and athletics courses.

Effective: FA14

Course ID: KINX 130Cx3

Course Title: Intercollegiate Baseball Off-Season Athletics

Units: 1

Laboratory: 3 contact hour(s) per week

48 - 54 contact hours per semester

Prerequisite: None

Catalog Description: This course is designed for off-season sports conditioning in preparation for athletic participation. The course includes sport specific training with the purpose of developing areas of individual weaknesses. **LIMITATION ON ENROLLMENT: ENROLLMENT IS BASED ON A SUCCESSFUL TRYOUT.**

Schedule Description: This course is designed for off-season sports conditioning in preparation for athletic participation. The course includes sport specific training with the purpose of developing areas of individual weaknesses. **LIMITATION ON ENROLLMENT: ENROLLMENT IS BASED ON A SUCCESSFUL TRYOUT.**

Rationale: New courses created to align content with updated TOPS codes for physical education and athletics courses.

Effective: FA14

Curriculum Meetings: 11-25-13; 12-09-13

Conjoint Meeting: 12-18-13

Board of Trustees Meeting: January 16, 2014

NEW COURSE

Course ID: KINX 131Bx3
Course Title: Intercollegiate Softball Pre-Season Athletics
Units: 2
Laboratory: 6 contact hour(s) per week
96 - 108 contact hours per semester

Prerequisite: None

Catalog Description: This course is designed for pre-season intercollegiate athletics conditioning which includes: strength training, cardiovascular conditioning, drill techniques and game play in preparation for competition. **LIMITATION ON ENROLLMENT: ENROLLMENT IS BASED ON A SUCCESSFUL TRYOUT.**

Schedule Description: This course is designed for pre-season intercollegiate athletics conditioning which includes: strength training, cardiovascular conditioning, drill techniques and game play in preparation for competition. **LIMITATION ON ENROLLMENT: ENROLLMENT IS BASED ON A SUCCESSFUL TRYOUT.**

Rationale: New courses created to align content with updated TOPS codes for physical education and athletics courses.

Effective: FA14

Course ID: KINX 131Cx3
Course Title: Intercollegiate Softball Off-Season Athletics
Units: 1
Laboratory: 3 contact hour(s) per week
48 - 54 contact hours per semester

Prerequisite: None

Catalog Description: This course is designed for off-season sports conditioning in preparation for athletic participation. The course includes sport specific training with the purpose of developing areas of individual weaknesses. **LIMITATION ON ENROLLMENT: ENROLLMENT IS BASED ON A SUCCESSFUL TRYOUT.**

Schedule Description: This course is designed for off-season sports conditioning in preparation for athletic participation. The course includes sport specific training with the purpose of developing areas of individual weaknesses. **LIMITATION ON ENROLLMENT: ENROLLMENT IS BASED ON A SUCCESSFUL TRYOUT.**

Rationale: New courses created to align content with updated TOPS codes for physical education and athletics courses.

Effective: FA14

Course ID: OSHA 010
Course Title: OSHA 10-Hour Safety Standards: Construction Industry
Units: 1
Lecture: 1 contact hour(s) per week
16 - 18 contact hours per semester

Prerequisite: None

Catalog Description: This course covers the training required by the Occupational Safety and Health Act (OSHA), for the 10-hour General Industry Safety and Health course completion card. The training emphasis is on hazard identification, avoidance, control and prevention.

Schedule Description: This course covers the training required by the Occupational Safety and Health Act (OSHA), for the 10-hour General Industry Safety and Health course completion card. The training emphasis is on hazard identification, avoidance, control and prevention.

Rationale: OSHA 10-hour general industry card will give students advantage when seeking employment.

Stand-Alone Course: YES

Effective: FA14

Curriculum Meetings: 11-25-13; 12-09-13
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NEW COURSE

Course ID: OSHA 015
Course Title: OSHA 10-Hour Safety Standards: General Industry
Units: 1
Lecture: 1 contact hour(s) per week
16 - 18 contact hours per semester

Prerequisite: None

Catalog Description: This course covers the training required by the Occupational Safety and Health Act (OSHA), for the 10-hour General Industry Safety and Health course completion card. The training emphasis is on hazard identification, avoidance, control and prevention.

Schedule Description: This course covers the training required by the Occupational Safety and Health Act (OSHA), for the 10-hour General Industry Safety and Health course completion card.

Rationale: OSHA 10-hour general industry card will give students advantage when seeking employment.

Stand-Alone Course: YES

Effective: FA14

Course ID: OSHA 035
Course Title: OSHA 30-Hour Safety Standards: General Industry
Units: 2
Lecture: 1.5 contact hour(s) per week
24 - 27 contact hours per semester
Laboratory: 1.5 contact hour(s) per week
24 - 27 contact hours per semester

Prerequisite: None

Catalog Description: This course covers the training required by the Occupational Safety and Health Act (OSHA), for the 30-hour General Industry Safety and Health course completion card. The training emphasis is on hazard identification, avoidance, control and prevention for those with some supervisory responsibilities.

Schedule Description: This course covers the training required by the Occupational Safety and Health Act (OSHA), for the 30 hour General Industry Safety and Health course completion card.

Rationale: The 30 hour General Industry card is required for employment in general industrial work with some supervisory responsibilities.

Stand-Alone Course: YES

Effective: FA14

NEW COURSE

Course ID: POLIT 141H

Course Title: Introduction to World Politics - **Honors**

Units: 3

Lecture: 3 contact hour(s) per week
48 - 54 contact hours per semester

Departmental Advisory: ENGL 015 or eligibility for ENGL 101 or ENGL 101H as determined by the SBVC assessment process

Catalog Description: This introductory course in world politics (international relations) surveys the principal actors, issues and processes involved in international relations. It includes paradigms and approaches in the study of world politics; foreign policy; issues of war and peace; international organizations; international law; globalization; international political economy, including global financial and trade institutions; human rights; and the global environment with respect to sustainable development. **This course is intended for students in the Honors Program but is open to all students who desire more challenging course work.**

Schedule Description: An introduction to world politics (international relations), this course surveys the major actors, processes and issues that inform international relations, including foreign policy, war and peace, international organizations, global political economy, human rights, international law, the global environment, and sustainable development. **This course is intended for students in the Honors Program but is open to all students who desire more challenging course work.**

Rationale: This course will give academically well-prepared students the opportunity to examine the behavior of international organizations, nation-states, non-governmental entities, and other global political actors in greater depth than is possible in the non-honors level of POLIT 141.

Effective: FA14

Course ID: WST 011

Course Title: TEST REVIEW FOR WATER DISTRIBUTION OPERATORS D2

Units: 0.5

Lecture: 0.5 contact hour(s) per week
8 - 9 contact hours per semester

Prerequisite: WST 061

Departmental Advisory: WST 052

Catalog Description: This course is a review of the expected Range of Knowledge (ROK) required to obtain the California Department of Public Health (CDPH) Distribution Operator certification at the Distribution Operator II level. The review topics include distribution system operations, disinfection, related mathematics, and safety.

Schedule Description: This course is a review of the expected Range of Knowledge (ROK) required to obtain the California Department of Public Health (CDPH) Distribution Operator certification at the Distribution Operator II level. The review topics include distribution system operations, disinfection, related mathematics, and safety.

Rationale: There is an increasing demand for the advanced course offerings in Water Supply Technology (WST). This class will help prepare students for higher level state licensing exams and count toward a WST Associate Degree.

Effective: FA14

Curriculum Meetings: 11-25-13; 12-09-13

Conjoint Meeting: 12-18-13

Board of Trustees Meeting: January 16, 2014

NEW COURSE

Course ID: WST 021
Course Title: TEST REVIEW FOR WATER TREATMENT T2
Units: 0.5
Lecture: 0.5 contact hour(s) per week
8 - 9 contact hours per semester

Prerequisite: WST 071

Departmental Advisory: WST 052

Catalog Description: This course is a review of the expected Range of Knowledge (ROK) required to obtain the California Department of Public Health (CDPH) Water Treatment Operator II certification. The review topics include conventional treatment techniques, source water supply and storage, water quality regulation and related math.

Schedule Description: This course is a review of the expected Range of Knowledge (ROK) required to obtain the California Department of Public Health (CDPH) Water Treatment Operator II certification. The review topics include conventional treatment techniques, source water supply and storage, water quality regulation and related math.

Rationale: There is an increasing demand for the advanced course offerings in Water Supply Technology (WST). This class will help prepare students for higher level state licensing exams and count toward a WST Associate Degree.

Effective: FA14

Course ID: WST 032
Course Title: WATER USE EFFICIENCY PRACTITIONER II
Units: 3
Lecture: 3 contact hour(s) per week
48 - 54 contact hours per semester

Prerequisite: WST 031

Departmental Advisory: ENGL 015 or eligibility for ENGL 101 or ENGL 101H as determined by the SBVC assessment process

Catalog Description: This is an intermediate water conservation course designed for students interested in working as a Water Use Efficiency Practitioner. It includes the expected range of knowledge required for the American Water Works Association (AWWA) Water Use Efficiency Practitioner 2 Certification.

Schedule Description: This is an intermediate water conservation course designed for students interested in working as a Water Use Efficiency Practitioner. It includes the expected range of knowledge required for the American Water Works Association (AWWA) Water Use Efficiency Practitioner 2 Certification.

Rationale: Students need this course to prepare for certification required to work in the Water Conservation Industry.

Effective: FA14

Curriculum Meetings: 11-25-13; 12-09-13

Conjoint Meeting: 12-18-13

Board of Trustees Meeting: January 16, 2014

NEW COURSE

Course ID: WST 034

Course Title: INTRODUCTION TO WATER RESOURCE MANAGEMENT

Units: 3

Lecture: 3 contact hour(s) per week
48 - 54 contact hours per semester

Prerequisite: WST 031

Catalog Description: This course explores the history and development of California water resources. In addition, the course covers the impact of environmental and economic water usage as well as water quality, water pollution and water resource regulations affecting our public drinking water. The basics of watershed management, water supply availability, ground and surface water hydrology as well as alternative sources of water such as the use of water conservation methods will be covered.

Schedule Description: This course explores the history and development of California water resources. In addition, the course covers the impact of environmental and economic water usage as well as water quality, water pollution and water resource regulations affecting our public drinking water. The basics of watershed management, water supply availability, ground and surface water hydrology as well as alternative sources of water such as the use of water conservation methods will be covered.

Rationale: Water Resource Science studies and water resources are critical to Southern California and California in general.

Effective: FA14

Course ID: WST 036

Course Title: WATER UTILITY MANAGEMENT

Units: 3

Lecture: 3 contact hour(s) per week
48 - 54 contact hours per semester

Prerequisite: WST 092 or WST 062 or WST 072

Departmental Advisory: ENGL 015 or eligibility for ENGL 101 or ENGL 101H as determined by the SBVC assessment process and WST 052

Catalog Description: This course is designed for students interested in managing water and/or wastewater utilities. Topics will include personnel management, organizational management, financial management, training, problem-solving/decision-making, regulatory compliance, health and safety programs, community relations, personal and professional skills.

Schedule Description: This course is designed for students interested in managing water and/or wastewater utilities. Topics will include personnel management, organizational management, financial management, training, problem-solving/decision-making, regulatory compliance, health and safety programs, community relations, personal and professional skills.

Rationale: Students completing his course should possess the tools and abilities necessary for promoted in positions of management. This course can be applied to the 18 units for the Certificate in Water Supply Technology.

Effective: FA14

Curriculum Meetings: 11-25-13; 12-09-13

Conjoint Meeting: 12-18-13

Board of Trustees Meeting: January 16, 2014

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MODIFY COURSE

COURSE ID	COURSE TITLE
ART 124x4	DRAWING

Course ID: ART 124A

Course Title: Beginning Drawing

Catalog Description: The course is a progressive study of form, space, and concept employing a wide range of subject matter and traditional drawing media. Instruction focuses on perceptually based drawing, observational abilities and creative responses to traditional drawing materials and subject matter. Topics include the theory and analysis of perspective in two- and three-dimensional composition such as the various means of representing three-dimensional forms in space through aerial and linear perspective. (Formerly ART 124x4)

Schedule Description: The course is a progressive study of form, space, and concept employing a wide range of subject matter and traditional drawing media. Instruction focuses on perceptually based drawing, observational abilities and creative responses to traditional drawing materials and subject matter. Topics include the theory and analysis of perspective in two- and three-dimensional composition such as the various means of representing three-dimensional forms in space through aerial and linear perspective. (Formerly ART 126x4)

Rationale: Leveling ART 124x4

Equate: This course equates with ART 124x4

Repeatability: None

Effective: FA14

COURSE ID	COURSE TITLE
ART 132x4	LIFE DRAWING

Course ID: ART 132A

Course Title: Beginning Life Drawing

Catalog Description: The course is an introduction to drawing the human figure and anatomy from observation using a wide variety of drawing media and techniques. Topics include an introduction to human anatomy, contour, proportions, gesture, and the historical and contemporary roles of figure drawing in the visual arts. Students in this course will learn both descriptive and interpretive approaches to drawing the figure. Drawings are based on a live nude model. (Formerly ART 132x4)

Schedule Description: The course is an introduction to drawing the human figure and anatomy from observation using a wide variety of drawing media and techniques. Topics include an introduction to human anatomy, contour, proportions, gesture, and the historical and contemporary roles of figure drawing in the visual arts. Students in this course will learn both descriptive and interpretive approaches to drawing the figure. Drawings are based on a live nude model. (Formerly ART 132x4)

Rationale: Leveling ART 132x4

Equate: This course equates with ART 132x4

Repeatability: None

Effective: FA14

Curriculum Meetings: 11-25-13; 12-09-13

Conjoint Meeting: 12-18-13

Board of Trustees Meeting: January 16, 2014

MODIFY COURSE

COURSE ID	COURSE TITLE
AUTO 090x3	ENGINE REPAIR

Course ID: AUTO 090

Catalog Description: This course covers theory and practical work in the repair and rebuilding of automotive engines, removal, disassembly, inspection, reconditioning and reassembling of engines, rebuilding of components using automotive machine shop equipment and failure analysis of components. This course may be used in preparation for the Automotive Service Excellence (ASE) National Test A-1. (Formerly AUTO 090x3)

Schedule Description: This course covers theory and practical work in the repair and rebuilding of automotive engines. This course may be used in preparation for the ASE National Test A-1. (Formerly AUTO 090x3)

Rationale: Leveling AUTO 090x3

Equate: This course equates with AUTO 090x3

Repeatability: None

Effective: FA14

COURSE ID	COURSE TITLE
CHEM 212	ORGANIC CHEMISTRY I

Corequisite: CHEM 151 or CHEM 151H

Rationale: Content review.

Effective: FA14

COURSE ID	COURSE TITLE
CHEM 212H	ORGANIC CHEMISTRY I - HONORS

Corequisite: CHEM 151 or CHEM 151H

Catalog Description: The first semester of organic chemistry examines carbon compounds including aliphatic, aromatic, and heterocyclic series, and modern theoretical concepts are studied. Students identify properties, synthesis, and reactions of functional groups. Mechanisms are examined in detail. Laboratory includes preparation, identification and the study of properties of organic compounds. **This course is intended for students in the Honors Program, but is open to all students who desire more challenging course work.**

Schedule Description: First semester organic chemistry examines carbon compounds, modern theoretical concepts and mechanisms in detail. **This course is intended for students in the Honors Program, but is open to all students who desire more challenging course work.**

Rationale: Content review.

Effective: FA14

Curriculum Meetings: 11-25-13; 12-09-13

Conjoint Meeting: 12-18-13

Board of Trustees Meeting: January 16, 2014

MODIFY COURSE

COURSE ID	COURSE TITLE
CIT 215	DATABASE MANAGEMENT SYSTEMS

Prerequisite: CIT 116

Catalog Description: This course focuses on the concepts of relational databases including database management systems, database design fundamentals and Structured Query Language (SQL).

Schedule Description: This course focuses on the concepts of relational databases including database management systems, database design fundamentals and Structured Query Language (SQL).

Rationale: Content review.

Effective: FA14

COURSE ID	COURSE TITLE
CULART 010	CULINARY ARTS INTERNSHIP I

Course ID: CULART 010

Course Title: Culinary Arts Internship I

Units: 6

Laboratory: 18 contact hour(s) per week
288 - 324 contact hours per semester

Prerequisite: CULART 160

Catalog Description: This course provides a supervised internship in the Culinary Arts Program's operational restaurant. The concentration will be on building basic preparation techniques, recipe standardization, time management and preparing meals for customers.

Schedule Description: This course provides a supervised internship in the Culinary Arts Program's operational restaurant. The concentration will be on building basic preparation techniques, recipe standardization, time management and preparing meals for customers.

Rationale: Content review.

Effective: FA14

COURSE ID	COURSE TITLE
CULART 041	ADVANCED BAKING

Units: 3.5

Laboratory: 4.5 contact hour(s) per week
72 - 81 contact hours per semester

Departmental Advisory: ENGL 015 or eligibility for ENGL 101 or ENGL 101H as determined by the SBVC assessment process

Rationale: Content review.

Effective: FA14

Curriculum Meetings: 11-25-13; 12-09-13

Conjoint Meeting: 12-18-13

Board of Trustees Meeting: January 16, 2014

MODIFY COURSE

COURSE ID	COURSE TITLE
ELEC 090	OSHA 30-HOUR SAFETY STANDARDS: CONSTRUCTION AND INDUSTRY

Course ID: OSHA 030

Course Title: OSHA 30-Hour Safety Standards: Construction Industry

Lecture: 1.5 contact hour(s) per week

24 - 27 contact hours per semester

Laboratory: 1.5 contact hour(s) per week

24 - 27 contact hours per semester

Catalog Description: This course covers the training required by the Occupational Safety and Health Act (OSHA), for the 30-hour Construction Safety and Health course completion card. The training emphasis is on hazard identification, avoidance, control and prevention. (Formerly ELEC 090)

Schedule Description: This course covers the training required by the Occupational Safety and Health Act (OSHA), for the 30-hour Construction Safety and Health course completion card. (Formerly ELEC 090)

Rationale: Content review; laboratory was added due to OSHA recommendation

Stand-Alone Course: YES

Effective: FA14

COURSE ID	COURSE TITLE
GEOG 222	INDEPENDENT STUDY IN GEOGRAPHY

Prerequisite: None

Catalog Description: Students with previous course work in Geography may do assigned projects involving research and analysis of selected topics. This independent study is for students who are interested in furthering their knowledge of Geography. Prior to registration, a written contract must be prepared jointly by the instructor and the student.

Schedule Description: Students with previous course work in Geography may do assigned projects involving research and analysis of selected topics. Prior to registration, a written contract must be prepared. See instructor for details.

Rationale: Content review.

Effective: FA14

COURSE ID	COURSE TITLE
GIS 130	INTRODUCTION TO GEOGRAPHIC INFORMATION SYSTEMS (GIS)

Lecture: 2 contact hour(s) per week

32 - 36 contact hours per semester

Laboratory: 3 contact hour(s) per week

48 - 54 contact hours per semester

Departmental Advisory: ENGL 015 or eligibility for ENGL 101 or ENGL 101H as determined by the SBVC assessment process and MATH 942

Rationale: Content review.

Effective: FA14

Curriculum Meetings: 11-25-13; 12-09-13

Conjoint Meeting: 12-18-13

Board of Trustees Meeting: January 16, 2014

MODIFY COURSE

COURSE ID	COURSE TITLE
GIS 133	GIS CARTOGRAPHY AND BASE MAP DEVELOPMENT

Prerequisite: GIS 130

Catalog Description: This course introduces the nature of cartography, standard cartographic conventions, and graphic symbology. Map projections, scale, types of thematic maps, and map accuracy are reviewed. Current industry standard techniques used in GIS base map development are employed, including production and presentation techniques of professional quality maps.

Schedule Description: The course introduces the fundamental concepts and cartographic conventions of map making. Specific topics covered include history of cartography, projections, map symbology, typography, color, map layouts and visualization.

Rationale: Content review.

Effective: FA14

COURSE ID	COURSE TITLE
GIS 135	SPATIAL ANALYSIS WITH GIS

Prerequisite: GIS 130

Rationale: Content review.

Effective: FA14

COURSE ID	COURSE TITLE
MUS 101	MUSIC THEORY I: FUNDAMENTALS

Corequisite: MUS 101L

Rationale: Content review.

Effective: FA14

COURSE ID	COURSE TITLE
MUS 101L	MUSICIANSHIP I

Catalog Description: Specifically, this course applies the materials studied in Music Theory I through sight-singing (using solfeggio syllables), keyboard skills (the playing of scales and identification of pitches on the keyboard), recognition and performance of intervals, and some ear-training (melodic dictation). This course is the companion course to MUS 101.

Schedule Description: Sight-singing, ear training (melodic dictation) and keyboard skills are taught. Melodies will be sung with solfeggio syllables. Pitches will be identified on the keyboard and basic melodies will be notated through a development of listening skills. This course is the companion course to MUS 101.

Rationale: Content review.

Effective: FA14

Curriculum Meetings: 11-25-13; 12-09-13

Conjoint Meeting: 12-18-13

Board of Trustees Meeting: January 16, 2014

MODIFY COURSE

COURSE ID	COURSE TITLE
MUS 102	MUSIC THEORY II: SCALES AND MODES

Catalog Description: This course is a foundational discussion of analytical and compositional techniques through a progressive study of the following: four-part chorale composition (in diatonic harmony) including secondary dominants and other applied chordal structures; basic introduction into contrapuntal writing (two part only), voice leading, additional non-harmonic tones and modulation to relative, parallel and distant keys. It is the second in a four-part series of music theory courses designed for the music major.

Schedule Description: This course studies the following: transposition, modulation to parallel and relative keys and more distant keys through the use of secondary dominants. It also briefly delves into counterpoint and voice leading in four part harmony. It is the second in a four-part series of music theory courses designed for the music major.

Rationale: Content review.

Effective: FA14

COURSE ID	COURSE TITLE
MUS 102L	MUSICIANSHIP II

Departmental Advisory: MUS 134A

Catalog Description: This course continues to focus on the study of musicianship through its components. It explores dictation skills (the notation of aural impressions), the continued use of solfeggio syllables to discern pitches within a tonal framework, keyboard fundamentals, and is designed to elevate the student's level of dictation and musical analysis. It is the companion course to MUS 102.

Schedule Description: This course continues to focus on the study of musicianship through its components. It explores dictation skills (the notation of aural impressions), the continued use of solfeggio syllables to discern pitches within a tonal framework, keyboard fundamentals, and is designed to elevate the student's level of dictation and musical analysis. It is the companion course to MUS 102.

Rationale: Content review.

Effective: FA14

COURSE ID	COURSE TITLE
MUS 201	MUSIC THEORY III: BASIC HARMONY

Catalog Description: This course represents a complete study of the diatonic harmonies from the 17th, 18th and 19th centuries. It includes a review of triad formations and the principles of voice-leading. Included in the course is a review study of seventh chords, secondary dominants, non-harmonic tones, realization of figured bass lines and rudimentary formal analysis. It also includes an introduction of augmented-sixth chords, secondary/applied chords, modulation to more remote keys, Neapolitan sixth chords and some chromatic harmony. An important part of this class is the analysis of chorales by J.S. Bach. This course is the third of a four-part series of theory courses and is primarily designed for the music major.

Schedule Description: This course studies diatonic harmonies of the 17th, 18th and 19th centuries in Western Music. The study includes a review of: seventh chords, secondary dominants, non-harmonic tones, figured bass realizations and beginning formal analysis. Additionally, it takes a look at Neapolitan sixth chords, chromatic harmony, modulation and a brief foray into chromatic harmony. It includes the study of Bach chorales and is the third in a four-part series of theory courses designed for the music major.

Rationale: Content review.

Effective: FA14

Curriculum Meetings: 11-25-13; 12-09-13

Conjoint Meeting: 12-18-13

Board of Trustees Meeting: January 16, 2014

MODIFY COURSE

COURSE ID	COURSE TITLE
MUS 202	MUSIC THEORY IV: HARMONY

Catalog Description: The course is a conclusive study of diatonic harmonies, including further work with secondary dominant chord structures, and figured bass line realizations. It also includes an extensive study of ninth chords: complete, incomplete, and dominant ninth. A study of Neapolitan and augmented sixth chords, 9th, 11th, 13th chords as well as a study of 20th century techniques and Impressionism will be undertaken. The class will conclude its study of Bach chorales and other brief forms. This course is the fourth in a four-part series of theory courses designed for the music major and incorporates the concepts from MUS 201.

Schedule Description: This course studies diatonic harmonies, secondary dominant chord structures and figured bass line realizations. It also studies ninth chords, Neapolitan sixth chords, Impressionism, tone rows and augmented sixth chords. The analysis of Bach chorales is an integral part of the course. This course is the fourth in a four-part series of theory courses designed for the music major.

Rationale: Content review.

Effective: FA14

COURSE ID	COURSE TITLE
MUS 202L	MUSICIANSHIP IV

Catalog Description: This course emphasizes further development of skills in sight-singing by the singing of modal melodies, melodies with non-diatonic tones and melodies containing larger intervals. The course includes dictation of melodies with non-diatonic tones as well as modal melodies. Further, dictation of secondary dominants, augmented and Neapolitan sixth chords and modulations to distantly-related keys are included. Rhythmic dictation with changing meters and mini and maxi triplets are studied. This course is the companion course to MUS 202.

Schedule Description: This course teaches the sight-singing for modal melodies, melodies with larger intervallic relationships and melodies containing non-diatonic tones. This course studies the dictation of modal melodies, melodies with non-diatonic tones and modulating melodies. It also covers the harmonic identification of secondary dominants and Neapolitan sixth chords. This course is the companion course to MUS 202.

Rationale: Content review.

Effective: FA14

COURSE ID	COURSE TITLE
PHT 072	PHARMACY CLINICAL EXPERIENCE

Prerequisite: PHT 060 and PHT 062 and PHT 064

Corequisite: None

Catalog Description: In this course, students study the application of prescription processing, inventory management and dispensing of medications in a pharmacy under the direct supervision of a pharmacist. It emphasizes use of a pharmacy data base, customer service, communication and professional ethics.

Schedule Description: In this course, students study the application of prescription processing, inventory management and dispensing of medications in a pharmacy under the direct supervision of a pharmacist. It emphasizes use of a pharmacy data base, customer service, communication and professional ethics.

Rationale: Content review.

Effective: FA14

Curriculum Meetings: 11-25-13; 12-09-13

Conjoint Meeting: 12-18-13

Board of Trustees Meeting: January 16, 2014

MODIFY COURSE

COURSE ID	COURSE TITLE
PHT 074	PHARMACY SEMINAR

Prerequisite: PHT 060 and PHT 062 and PHT 064

Corequisite: None

Catalog Description: This course reviews the duties of a pharmacy technician in the out-patient/community and the in-patient/institutional setting in the areas of pharmacy management/administration, pharmacy federal laws/regulation, and pharmacology.

Schedule Description: This course reviews the duties of a pharmacy technician in the out-patient/community and the in-patient/institutional setting in the areas of pharmacy management/administration, pharmacy federal laws/regulation, and pharmacology.

Rationale: Content review.

Effective: FA14

COURSE ID	COURSE TITLE
PE 098	PHYSICAL EDUCATION WORK EXPERIENCE

Course ID: KIN 098

Catalog Description: Supervised training, in the form of on the job employment that will enhance the student's knowledge in the selected field of study. The student's major and job must match. Students work 5-20 hours per week to earn units using the following formula: For paid work, 75 hours = 1 unit; for volunteer work, 60 hours = 1 unit. Students may earn a total of 16 units toward graduation in Work Experience 098 courses. Students **MUST** be working for pay or volunteer before registering for a Work Experience class. **NOTE:** Only one section of Work Experience may be taken during a semester. (Formerly PE 098)

Schedule Description: Supervised training, in the form of on the job employment that will enhance the student's knowledge in the selected field of study. The student's major and job must match. Students work 5-20 hours per week to earn units using the following formula: For paid work, 75 hours = 1 unit; for volunteer work, 60 hours = 1 unit. Students may earn a total of 16 units toward graduation in Work Experience 098 courses. Students **MUST** be working for pay or volunteer before registering for a Work Experience class. **NOTE:** Only one section of Work Experience may be taken during a semester. (Formerly PE 098)

Equate: This course equates with PE 098

Rationale: Changing Course ID from PE to KIN; adding "formerly" statement to descriptions.

Effective: FA14

Curriculum Meetings: 11-25-13; 12-09-13

Conjoint Meeting: 12-18-13

Board of Trustees Meeting: January 16, 2014

MODIFY COURSE

COURSE ID	COURSE TITLE
PE 200	INTRODUCTION TO PHYSICAL EDUCATION AND KINESIOLOGY

Course ID: KIN 200

Catalog Description: This introductory course provides an interdisciplinary approach to the study of human movement. An overview of the importance of the sub-disciplines in kinesiology will be discussed along with career opportunities in the areas of teaching, coaching, allied health, and fitness professions. (Formerly PE 200)

Schedule Description: This introductory course provides an interdisciplinary approach to the study of human movement. An overview of the importance of the sub-disciplines in kinesiology will be discussed along with career opportunities in the areas of teaching, coaching, allied health, and fitness professions. . (Formerly PE 200)

Equate: This course equates with PE 200

Rationale: Changing Course ID from PE to KIN; adding "formerly" statement to descriptions.

Effective: FA14

COURSE ID	COURSE TITLE
PE 201	MENTAL SKILLS FOR SPORT PERFORMANCE

Course ID: KIN 201

Catalog Description: Developing an understanding of the mental aspects of sport performance and learning mental skills that can be used to enhance sport performance. (Formerly PE 201)

Schedule Description: Developing an understanding of the mental aspects of sport performance and learning mental skills that can be used to enhance sport performance. (Formerly PE 201)

Equate: This course equates with PE 201

Rationale: Changing Course ID from PE to KIN; adding "formerly" statement to descriptions.

Effective: FA14

COURSE ID	COURSE TITLE
PE 210	SPORTS OFFICIATING

Course ID: KIN 210

Catalog Description: This course is designed to provide instruction on the rules, techniques, and mechanics of officiating the sports of soccer, football, basketball, and baseball. (Formerly PE 210)

Schedule Description: This course is designed to provide instruction on the rules, techniques, and mechanics of officiating the sports of soccer, football, basketball, and baseball. (Formerly PE 210)

Equate: This course equates with PE 210

Rationale: Changing Course ID from PE to KIN; adding "formerly" statement to descriptions.

Effective: FA14

Curriculum Meetings: 11-25-13; 12-09-13

Conjoint Meeting: 12-18-13

Board of Trustees Meeting: January 16, 2014

MODIFY COURSE

COURSE ID	COURSE TITLE
PE 222	INDEPENDENT STUDY IN PHYSICAL EDUCATION

Course ID: KIN 222

Catalog Description: Students with previous course work in Physical Education may do assigned projects involving research and analysis of selected topics. This independent study is for students who are interested in furthering their knowledge of Physical Education. Prior to registration, a written contract must be prepared jointly by the instructor and the student. See instructor for details. (Formerly PE 222)

Schedule Description: Students with previous course work in Physical Education may do assigned projects involving research and analysis of selected topics. This independent study is for students who are interested in furthering their knowledge of Physical Education. Prior to registration, a written contract must be prepared jointly by the instructor and the student. See instructor for details. (Formerly PE 222)

Equate: This course equates with PE 222

Rationale: Changing Course ID from PE to KIN; adding "formerly" statement to descriptions.

Effective: FA14

COURSE ID	COURSE TITLE
PE 231	FIRST AID AND CPR

Course ID: KIN 231

Catalog Description: This course provides instruction on emergency care and treatment of illnesses and injuries including training in cardiopulmonary resuscitation (CPR) and automated external defibrillation (AED). Students who successfully pass all National Safety Council requirements will receive a First Aid Certificate. Students who successfully pass all CPR and AED requirements will receive a CPR/AED Certificate. (Formerly PE 231)

Schedule Description: This course provides instruction on emergency care and treatment of illnesses and injuries including training in CPR and AED. (Formerly PE 231)

Equate: This course equates with PE 231

Rationale: Changing Course ID from PE to KIN; adding "formerly" statement to descriptions.

Effective: FA14

COURSE ID	COURSE TITLE
PE 232	PREVENTION AND CARE OF ATHLETIC INJURIES

Course ID: KIN 232

Catalog Description: This is an introductory course in the recognition, assessment, management, care, and prevention of injuries occurring during physical activities. Basic taping techniques, as well as the proper selection and use of treatment modalities, are included. (Formerly PE 232)

Schedule Description: This is an introductory course in the recognition, assessment, management, care, and prevention of injuries occurring during physical activities. Basic taping techniques, as well as the proper selection and use of treatment modalities, are included. (Formerly PE 232)

Equate: This course equates with PE 232

Rationale: Changing Course ID from PE to KIN; adding "formerly" statement to descriptions.

Effective: FA14

Curriculum Meetings: 11-25-13; 12-09-13

Conjoint Meeting: 12-18-13

Board of Trustees Meeting: January 16, 2014

MODIFY COURSE

COURSE ID	COURSE TITLE
PE 236	STRESS MANAGEMENT AND WELLNESS

Course ID: KIN 236

Catalog Description: A study of stress with emphasis on the physiological, psychological, and sociological issues throughout the lifespan. Topics include: recognition and analysis of symptoms of stress, scientific studies, assessment tools, fitness programs, meditation, yoga, nutrition, weight control, and healthy habits that enhance health and well-being. (Formerly PE 236)

Schedule Description: A study of stress with emphasis on the physiological, psychological, and sociological issues throughout the lifespan. Topics include: recognition and analysis of symptoms of stress, scientific studies, assessment tools, fitness programs, meditation, yoga, nutrition, weight control, and healthy habits that enhance health and well-being. (Formerly PE 236)

Equate: This course equates with PE 236

Rationale: Changing Course ID from PE to KIN; adding “formerly” statement to descriptions.

Effective: FA14

COURSE ID	COURSE TITLE
PE/I 103x4	BADMINTON

Course ID: KINS 103A

Course Title: Beginning Badminton

Catalog Description: This course will provide beginning level instruction in the skills, techniques, strategies, etiquette and rules of badminton. With the application of these techniques and practice, students will improve their overall fitness. (Formerly PE/I 103x4)

Schedule Description: This course will provide beginning level instruction in the skills, techniques, strategies, etiquette and rules of badminton. With the application of these techniques and practice, students will improve their overall fitness. (Formerly PE/I 103x4)

Rationale: Leveling PE/I 103x4

Repeatability: None

Equate: This course equates with PE/I 103x4

Effective: FA14

COURSE ID	COURSE TITLE
PE/I 105x4	LOW IMPACT AEROBICS

Course ID: KINF 105A

Course Title: Beginning Low Impact Aerobics

Catalog Description: This course is designed to teach basic fitness concepts and beginning level movement skills to enhance strength, flexibility, endurance, movement memory, balance, coordination, and cardiovascular fitness. (Formerly PE/I 105x4)

Schedule Description: This course is designed to teach basic fitness concepts and beginning level movement skills to enhance strength, flexibility, endurance, movement memory, balance, coordination, and cardiovascular fitness. (Formerly PE/I 105x4)

Rationale: Leveling PE/I 105x4

Repeatability: None

Equate: This course equates with PE/I 105x4

Effective: FA14

Curriculum Meetings: 11-25-13; 12-09-13

Conjoint Meeting: 12-18-13

Board of Trustees Meeting: January 16, 2014

MODIFY COURSE

COURSE ID	COURSE TITLE
PE/I 108x4	WEIGHT TRAINING

Course ID: KINF 108A

Course Title: Beginning Weight Training

Catalog Description: The course is designed to teach beginning level students' safe and proper technique for resistance exercises. Students will use free weights and universal machines to develop muscle strength and endurance. Students of all ability levels will receive individual instruction and personally tailored programs. (Formerly PE/I 108x4)

Schedule Description: The course is designed to teach beginning level students' safe and proper technique for resistance exercises. Students will use free weights and universal machines to develop muscle strength and endurance. Students of all ability levels will receive individual instruction and personally tailored programs. (Formerly PE/I 108x4)

Rationale: Leveling PE/I 108x4

Repeatability: None

Equate: This course equates with PE/I 108x4

Effective: FA14

COURSE ID	COURSE TITLE
PE/I 112x4	BODY CONDITIONING

Course ID: KINF 112A

Course Title: Beginning Body Conditioning

Units: 1

Laboratory: 3 contact hour(s) per week
48 - 54 contact hours per semester

Prerequisite: None

Catalog Description: This course is designed to teach beginner level fitness concepts and movement skills to improve overall cardiovascular fitness, as well as muscular strength and endurance. Instruction will be modified to accommodate students of all fitness and skill levels. (Formerly PE/I 112x4)

Schedule Description: This course is designed to teach beginner level fitness concepts and movement skills to improve overall cardiovascular fitness, as well as muscular strength and endurance. Instruction will be modified to accommodate students of all fitness and skill levels. (Formerly PE/I 112x4)

Rationale: Leveling PE/I 112x4

Repeatability: None

Equate: This course equates with PE/I 112x4

Effective: FA14

Curriculum Meetings: 11-25-13; 12-09-13

Conjoint Meeting: 12-18-13

Board of Trustees Meeting: January 16, 2014

MODIFY COURSE

COURSE ID	COURSE TITLE
PE/I 127x4	WALKING FOR FITNESS

Course ID: KINF 127A

Course Title: Beginning Walking for Fitness

Catalog Description: The course is designed to help improve cardiovascular endurance and overall fitness through walking. Beginning level training principles and proper technique will be taught to promote this lifelong activity. (Formerly PE/I 127x4)

Schedule Description: The course is designed to help improve cardiovascular endurance and overall fitness through walking. Beginning level training principles and proper technique will be taught to promote this lifelong activity. (Formerly PE/I 127x4)

Rationale: Leveling PE/I 127x4

Repeatability: None

Equate: This course equates with PE/I 127x4

Effective: FA14

COURSE ID	COURSE TITLE
PE/I 132x4	DISTANCE RUNNING

Course ID: KINF 132A

Course Title: Beginning Distance Running

Catalog Description: In this course, students will learn beginner level skills, techniques, and strategies of distance running. Instruction will focus on improving the student's running efficiency, cardiovascular fitness, and distance running knowledge. The course will include individual instruction, group instruction and practice. (Formerly PE/I 132x4)

Schedule Description: In this course, students will learn beginner level skills, techniques, and strategies of distance running. Instruction will focus on improving the student's running efficiency, cardiovascular fitness, and distance running knowledge. The course will include individual instruction, group instruction and practice. (Formerly PE/I 132x4)

Rationale: Leveling PE/I 132x4

Repeatability: None

Equate: This course equates with PE/I 132x4

Effective: FA14

Curriculum Meetings: 11-25-13; 12-09-13

Conjoint Meeting: 12-18-13

Board of Trustees Meeting: January 16, 2014

MODIFY COURSE

COURSE ID	COURSE TITLE
PE/I 138x4	PHYSICAL FITNESS

Course ID: KINF 138A

Course Title: Beginning Physical Fitness

Catalog Description: This course is a structured exercise class designed to help students participate in a beginning level exercise program including cardiovascular endurance, muscular strength and flexibility training. Instructor guided equipment orientation, fitness testing, and exercise technique are provided. (Formerly PE/I 138x4)

Schedule Description: This course is a structured exercise class designed to help students participate in a beginning level exercise program including cardiovascular endurance, muscular strength and flexibility training. Instructor guided equipment orientation, fitness testing, and exercise technique are provided. (Formerly PE/I 138x4)

Rationale: Leveling PE/I 138x4

Repeatability: None

Equate: This course equates with PE/I 138x4

Effective: FA14

COURSE ID	COURSE TITLE
PE/I 168x4	YOGA

Course ID: KINF 168A

Course Title: Beginning Yoga

Catalog Description: This course is designed to introduce and practice beginning level Hatha Yoga. Improvement in balance, flexibility, muscle strength and endurance will be introduced. Meditation, breathing and relaxation techniques will be employed to assist in stress reduction. (Formerly PE/I 168x4)

Schedule Description: This course is designed to introduce and practice beginning level Hatha Yoga. Improvement in balance, flexibility, muscle strength and endurance will be introduced. Meditation, breathing and relaxation techniques will be employed to assist in stress reduction. (Formerly PE/I 168x4)

Rationale: Leveling PE/I 168x4

Repeatability: None

Equate: This course equates with PE/I 168x4

Effective: FA14

Curriculum Meetings: 11-25-13; 12-09-13

Conjoint Meeting: 12-18-13

Board of Trustees Meeting: January 16, 2014

MODIFY COURSE

COURSE ID	COURSE TITLE
PE/I 186x4	ADAPTED PHYSICAL EDUCATION: STRETCHING AND STRESS REDUCTION

Course ID: KINA 186A

Course Title: Adapted: Beginning Stretching and Stress Reduction

Catalog Description: This course is designed to teach students with disabilities how to improve range of motion for various muscles in the human body using beginning level stretching techniques. This course also teaches basic techniques for stress reduction. A completed adapted physical education participation form may be required prior to participation in this class. (Formerly PE/I 186x4)

Schedule Description: This course is designed to teach students with disabilities how to improve range of motion for various muscles in the human body using beginning level stretching techniques. This course also teaches basic techniques for stress reduction. A completed adapted physical education participation form may be required prior to participation in this class. (Formerly PE/I 186x4)

Rationale: Leveling PE/I 186x4

Repeatability: None

Equate: This course equates with PE/I 186x4

Effective: FA14

COURSE ID	COURSE TITLE
PE/I 188x4	ADAPTIVE PHYSICAL EDUCATION: FITNESS AND CONDITIONING

Course ID: KINA 188A

Course Title: Adapted: Beginning Fitness and Conditioning

Catalog Description: This course is designed to teach students with disabilities beginner level exercises to improve functional range of motion, muscular strength and cardiovascular endurance. A completed adapted physical education participation form may be required prior to participation in this class. (Formerly PE/I 188x4)

Schedule Description: This course is designed to teach students with disabilities beginner level exercises to improve functional range of motion, muscular strength and cardiovascular endurance. A completed adapted physical education participation form may be required prior to participation in this class. (Formerly PE/I 188x4)

Rationale: Leveling PE/I 188x4

Repeatability: None

Equate: This course equates with PE/I 188x4

Effective: FA14

COURSE ID	COURSE TITLE
PE/I 189x4	ADAPTED PHYSICAL EDUCATION: RESISTANCE TRAINING

Course ID: KINA 189A

Course Title: Adapted: Beginning Resistance Training

Catalog Description: This course is designed for students with disabilities. This course provides instruction in beginning level physical activities to improve muscular strength and endurance. A completed adapted physical education participation form may be required prior to participation in this class. (Formerly PE/I 189x4)

Schedule Description: This course is designed for students with disabilities. This course provides instruction in beginning level physical activities to improve muscular strength and endurance. A completed adapted physical education participation form may be required prior to participation in this class. (Formerly PE/I 189x4)

Rationale: Leveling PE/I 189x4

Repeatability: None

Equate: This course equates with PE/I 189x4

Effective: FA14

Curriculum Meetings: 11-25-13; 12-09-13

Conjoint Meeting: 12-18-13

Board of Trustees Meeting: January 16, 2014

MODIFY COURSE

COURSE ID	COURSE TITLE
PE/I 190x4	TAI CHI

Course ID: KINF 190A

Course Title: Beginning Tai Chi

Catalog Description: This course is designed to study and practice Tai Chi at the beginning level. The history, research, and benefits of Tai Chi will be examined, and the basic 12 forms of Tai Chi will be explored. The course will include individual and group instruction and practice. (Formerly PE/I 190x4)

Schedule Description: This course is designed to study and practice Tai Chi at the beginning level. The history, research, and benefits of Tai Chi will be examined, and the basic 12 forms of Tai Chi will be explored. The course will include individual and group instruction and practice. (Formerly PE/I 190x4)

Rationale: Leveling PE/I 190x4

Repeatability: None

Equate: This course equates with PE/I 190x4

Effective: FA14

COURSE ID	COURSE TITLE
POLIT 141	INTRODUCTION TO WORLD POLITICS

Catalog Description: This introductory course in world politics (international relations) surveys the principal actors, issues and processes involved in international relations. It includes paradigms and approaches in the study of world politics; foreign policy; issues of war and peace; international organizations; international law; globalization; international political economy, including global financial and trade institutions; human rights; and the global environment with respect to sustainable development.

Schedule Description: An introduction to world politics (international relations), this course surveys the major actors, processes and issues that inform international relations, including foreign policy, war and peace, international organizations, global political economy, human rights, international law, the global environment, and sustainable development.

Rationale: Content review.

Effective: FA14

COURSE ID	COURSE TITLE
PSYTCH 084	INTRODUCTION TO PSYCHIATRIC TECHNOLOGY

Catalog Description: This course is an introduction to psychiatric technology emphasizing basic therapeutic communication, pharmacology, growth and development, developmental disabilities, behavior modification, nutrition, and nursing care, including application of basic nursing skills to the care of clients with developmental disabilities. **REGISTRATION IS LIMITED TO STUDENTS WHO HAVE COMPLETED PROGRAM PREREQUISITES AND HAVE BEEN ACCEPTED INTO THE PSYCHIATRIC TECHNOLOGY PROGRAM.**

Schedule Description: This course is an introduction to psychiatric technology emphasizing principles and application of basic nursing skills to the care of clients with developmental disabilities. **REGISTRATION IS LIMITED TO STUDENTS WHO HAVE COMPLETED PROGRAM PREREQUISITES AND HAVE BEEN ACCEPTED INTO THE PSYCHIATRIC TECHNOLOGY PROGRAM.**

Rationale: Content review.

Effective: FA14

Curriculum Meetings: 11-25-13; 12-09-13

Conjoint Meeting: 12-18-13

Board of Trustees Meeting: January 16, 2014

MODIFY COURSE

COURSE ID	COURSE TITLE
WELD 027	STRENGTH OF MATERIALS TESTING: DESTRUCTIVE

Course Title: INSPECTION OF WELDS: DESTRUCTIVE TESTS

Prerequisite: WELD 046 and ENGL 914 or eligibility for ENGL 015 as determined by the SBVC assessment process

Catalog Description: This course covers destructive tests commonly used to determine the physical properties of a weld. Destructive tests include bend tests, tensile tests, hardness tests, fatigue tests, hydrostatic tests, tensile shear tests and impact tests.

Schedule Description: This course covers destructive tests commonly used to determine the physical properties of a weld.

Rationale: Content review.

Effective: FA14

COURSE ID	COURSE TITLE
WELD 045	SHIELDED METAL ARC WELDING

Course Title: BEGINNING SHIELDED METAL ARC WELDING (SMAW)

Prerequisite: WELD 012

Catalog Description: Shielded Metal Arc Welding (SMAW) or stick welding is the most commonly used welding process. This course is designed to teach correct welding techniques, cutting and preparation of material, and safe practices to industry standards.

Schedule Description: Shielded Metal Arc Welding (SMAW) or stick welding is the most commonly used welding process. This course is designed to teach correct welding techniques, cutting and preparation of material, and safe practices to industry standards.

Rationale: Content review.

Effective: FA14

COURSE ID	COURSE TITLE
WELD 047	INTERMEDIATE SHIELDED METAL ARC WELDING

Course Title: POWER PLANT AND FIELD PIPE WELDING I

Prerequisite: WELD 046 and ENGL 914 or eligibility for ENGL 015 as determined by the SBVC assessment process

Catalog Description: This course prepares students in Shielded Metal Arc Welding (SMAW) for pipe welding to American Petroleum Institute (API) standards. Upon completion of this course, students will be prepared for an entry-level position in oil/power industry. This is the first of a two-course sequence to prepare students in power plant and field pipe welding. This course deals with shop safety, oxy-acetylene cutting, air carbon arc cutting, shielded metal arc welding and pipe welding.

Schedule Description: This course prepares students in SMAW for pipe welding to API standards. Upon completion of this course, students will be prepared for an entry-level position in oil/power industry.

Rationale: Content review.

Effective: FA14

Curriculum Meetings: 11-25-13; 12-09-13

Conjoint Meeting: 12-18-13

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MODIFY COURSE

COURSE ID	COURSE TITLE
WELD 068	LOS ANGELES CITY WELDING REINFORCING STEEL AND STRUCTURAL SHEET STEEL (LIGHT GAUGE)

Prerequisite: WELD 045

Departmental Advisory: None

Rationale: Content review.

Effective: FA14

COURSE ID	COURSE TITLE
WST 010x2	TEST REVIEW FOR WATER DISTRIBUTION OPERATORS D1 - D2

Course ID: WST 010

Course Title: TEST REVIEW FOR WATER DISTRIBUTION OPERATORS D1

Units: .05

Lecture: 0.5 contact hour(s) per semester

Prerequisite: WST 061

Departmental Advisory: WST 052

Catalog Description: This course is a review of the expected Range of Knowledge (ROK) required to obtain the California Department of Public Health (CDPH) Distribution Operator License at level D1. The review topics include distribution system operations, disinfection, related mathematics and safety.

Schedule Description: This course is a review of the expected Range of Knowledge (ROK) required to obtain the California Department of Public Health (CDPH) Distribution Operator License at level D1. The review topics include distribution system operations, disinfection, related mathematics and safety.

Rationale: The state licensing examinations are offered on a six-month interval and run contrary to the traditional college semester end dates. To ensure student success and retention of information learned prior to official state testing, the current course is being restructured in alignment with the required Range of Knowledge (ROK) for Distribution Operator 1 Level certification.

Repeatability: None

Effective: FA14

COURSE ID	COURSE TITLE
WST 031	WATER USE EFFICIENCY PRACTITIONER I

Prerequisite: WST 061

Department Advisory: None

Catalog Description: This introductory water conservation course is designed for students interested in working as a water use efficiency practitioner. It includes the expected range of knowledge required for the American Water Works Association (AWWA) Water Use Efficiency Practitioner I Certificate.

Schedule Description: This introductory water conservation course is designed for students interested in working as a water use efficiency practitioner. It includes the expected range of knowledge required for the American Water Works Association (AWWA) Water Use Efficiency Practitioner I Certificate.

Rationale: To align with American Water Works Association (AWWA) current standards for Water Use Efficiency Certification at level I.

Effective: FA14

Curriculum Meetings: 11-25-13; 12-09-13

Conjoint Meeting: 12-18-13

Board of Trustees Meeting: January 16, 2014

MODIFY COURSE

COURSE ID	COURSE TITLE
WST 098	WATER SUPPLY TECHNOLOGY WORK EXPERIENCE

Work Experience: 5 - 20 contact hour(s) per week

Prerequisite: WST 061 and WST 071 or WST 081 or WST 091

Catalog Description: This course involves supervised training, in the form of on the job employment that will enhance the student's knowledge in the selected field of study. The student's major and job must match. Students work 5-20 hours per week to earn units using the following formula: For paid work, 75 hours = 1 unit; for volunteer work, 60 hours = 1 unit. Students may earn a total of 16 units toward graduation in Work Experience 098 courses. Students MUST be working for pay or volunteer before registering for a Work Experience class. NOTE: Only one section of Work Experience may be taken during a semester.

Schedule Description: This course involves supervised training, in the form of on the job employment that will enhance the student's knowledge in the selected field of study. The student's major and job must match. Students work 5-20 hours per week to earn units using the following formula: For paid work, 75 hours = 1 unit; for volunteer work, 60 hours = 1 unit. Students may earn a total of 16 units toward graduation in Work Experience 098 courses. Students MUST be working for pay or volunteer before registering for a Work Experience class. NOTE: Only one section of Work Experience may be taken during a semester.

Rationale: Content review; adding pre-requisite courses as students need to have subject matter knowledge before working in the field.

Effective: FA14

DELETE COURSE

PE 282x2

PE 285x2

PE 288x2

PE 291x2

PE 293x2

Rationale: Courses are no longer offered.

Effective: FA14

Curriculum Meetings: 11-25-13; 12-09-13

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DISTRIBUTED EDUCATION

CIT 215
GEOG 222
PHT 060
PHT 070
PHT 074
WST 010
WST 032

100% ONLINE

Rationale: One of the planning themes of San Bernardino Valley College (SBVC) is access. For career technical courses, the issue of scheduling is crucial. Students working the night shift can only take class in the morning while those working traditional day schedules can only take evening classes. Given these variables and difficult schedules, students need the flexibility of time that an online class affords. An asynchronous online class allows students to study when their schedules allow and where they have the space and materials to do so effectively. The online delivery method of these courses supports the mission of SBVC by providing access to education to a diverse community of learners who find themselves in a community with complicated lives and difficult and demanding schedules and responsibilities.

Effective: FA14

PHILOSOPHY AA-T Transfer Degree

The Associate of Arts for Transfer (AA-T) in Philosophy provides students with invaluable skills transferable to most vocations through the Student Transfer Achievement Reform Act (SB 1440). The law states that students will have guaranteed admission to a California State University (CSU) campus upon successful completion of the specified program requirements. Whatever the vocational goal, students benefit from completing this AA-T in Philosophy. Nearly everyone is concerned with the kinds of questions and experiences studied in philosophy. This field of study is concerned with the nature of reality, truth and value, the human response to death and suffering, and those perennial human questions: Who am I? Why am I here? And where am I going. Philosophy courses require critical analysis, clarity, and understanding. These skills are achieved through careful and close reading of texts, images, and symbols as well as through descriptive and analytic writing. The AA-T in Philosophy requires the study of diverse and often competing belief systems. This is a challenging and exciting endeavor that can help us make sense of the events taking place in the world around us. Students should consult with a counselor to determine whether this degree is the best option for their transfer goals.

The Student Transfer Achievement Reform Act (Senate Bill 1440, now codified in California Education Code sections 66746-66749) guarantees admission to a California State University (CSU) campus for any community college student who completes an "associate degree for transfer", a newly established variation of the associate degrees traditionally offered at a California community college. The Associate in Arts for Transfer (AA-T) or the Associate in Science for Transfer (AS-T) is intended for students who plan to complete a bachelor's degree in a similar major at a CSU campus. Students completing these degrees (AA-T or AS-T) are guaranteed admission to the CSU system, but not to a particular campus or major. In order to earn one of these degrees, students must complete 60 required semester units of CSU-transferable coursework with a minimum GPA of 2.0. Students transferring to a CSU campus that does accept the AA-T or AS-T will be required to complete no more than 60 units after transfer to earn a bachelor's degree (unless the major is a designated "high unit" major). This degree may not be the best option for students intending to transfer to a particular CSU campus or to a university or college that is not part of the CSU system. Students should consult with a counselor when planning to complete the degree for more information on university admission and transfer requirements.

To earn this AA-T degree, students must complete the following Associate Degree for Transfer requirements:

- completion of the following major requirements with grades of C or better;
- completion of a minimum of 60 CSU transferable semester units with a grade point average of at least 2.0; and
- certified completion of the CSU General Education-Breadth (CSUGE) or Intersegmental General Education Transfer Curriculum (IGETC) for CSU, which requires a minimum of 39 units.

It is highly recommend that students complete courses that satisfy the U.S. History, Constitution, and American Ideals requirement as part of CSUGE or IGETC before transferring to a CSU.

Students planning to transfer to a baccalaureate institution and major in Philosophy should consult with a counselor regarding the transfer process and lower division requirements.

REQUIRED CORE COURSES:

	Units
PHIL 103 Introduction to Logic: Argument and Evidence	3
PHIL 101 Introduction to Philosophy	3
or	
PHIL 101H Introduction to Philosophy - Honors	3

LIST A: One course (3 units)

	Units
PHIL 102 Critical Thinking and Writing	3
PHIL 105 Introduction to Ethics	3

LIST B: Two courses (6 units minimum) OR any course not used from List A

	Units
ENGL 102 Intermediate Composition and Critical Thinking	4
or	
ENGL 102H Intermediate Composition and Critical Thinking - Honors	4
RELIG 101 Introduction to World Religions	3

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LIST C: One course (3 units) OR any course not selected from List A or List B		Units
PHIL 112	Philosophy in Literature	3
PHIL 180	Death and Dying	3
RELIG 100	Introduction to Religious Studies	3
	or	
RELIG 100H	Introduction to Religious Studies- Honors	3
RELIG 110	Tribal and Ethnic Religions	3
RELIG 135	Religion in America	3
RELIG 150	Introduction to Mythology	3
RELIG 175	The Literature and Religion of the Bible	3
RELIG 176	Jesus and His Interpreters	3
RELIG 180	Death and Dying	3
MAJOR TOTAL: 18-19		Units
Total units that may be double-counted: 15		Units
CSU GE-Breadth or IGETC for CSU requirements: 39-42		Units
CSU electives (as needed to reach 60 transferrable units): 0-3		Units

Total Units **60**

Rationale: All California community colleges are required to offer transfer degrees in transfer disciplines as part of SB 1440 legislation.

Effective: FA14

PHYSICS AS-T Transfer Degree

The Associate of Science for Transfer (AS-T) in Physics provides students with a deep understanding of the world around them through the Student Transfer Achievement Reform Act (SB 1440). The law states that students will have guaranteed admission to a California State University (CSU) campus upon successful completion of the specified program requirements. This degree provides students with transfer preparation and pre-professional training. The AS-T in Physics explores with finding and using the rules that govern everything—from the smallest pieces of the atom to the various collections of atoms—molecules, balls, planets, stars, and more—that compose the myriad contents of the universe. Students should consult with a counselor to determine whether this degree is the best option for their transfer goals.

The Student Transfer Achievement Reform Act (Senate Bill 1440, now codified in California Education Code sections 66746-66749) guarantees admission to a California State University (CSU) campus for any community college student who completes an "associate degree for transfer", a newly established variation of the associate degrees traditionally offered at a California community college. The Associate in Art for Transfer (AA-T) or the Associate in Science for Transfer (AS-T) is intended for students who plan to complete a bachelor's degree in a similar major at a CSU campus. Students completing these degrees (AA-T or AS-T) are guaranteed admission to the CSU system, but not to a particular campus or major. In order to earn one of these degrees, students must complete 60 required semester units of CSU-transferable coursework with a minimum GPA of 2.0. Students transferring to a CSU campus that does accept the AA-T or AS-T will be required to complete no more than 60 units after transfer to earn a bachelor's degree (unless the major is a designated "high unit" major). This degree may not be the best option for students intending to transfer to a particular CSU campus or to a university or college that is not part of the CSU system. Students should consult with a counselor when planning to complete the degree for more information on university admission and transfer requirements.

To earn this AS-T degree, students must complete the following Associate Degree for Transfer requirements:

- completion of the following major requirements with grades of C or better;
- completion of a minimum of 60 CSU transferable semester units with a grade point average of at least 2.0; and
- certified completion of the CSU General Education-Breadth (CSUGE) or Intersegmental General Education Transfer Curriculum (IGETC) for CSU, which requires a minimum of 39 units.

It is highly recommended that students complete courses that satisfy the U.S. History, Constitution, and American Ideals requirement as part of CSUGE or IGETC before transferring to a CSU.

Students planning to transfer to a baccalaureate institution and major in Physics should consult with a counselor regarding the transfer process and lower division requirements.

REQUIRED CORE COURSES:

		Units
MATH 250	Single Variable Calculus I	4
MATH 251	Single Variable Calculus II	4
MATH 252	Multivariable Calculus	5
PHYSIC 200	Physics I	6
PHYSIC 201	Physics II	6

RECOMMENDED COURSES:

		Units
CHEM 150	General Chemistry I	5
	or	
CHEM 150H	General Chemistry I - Honors	5
CHEM 151	General Chemistry II	5
	or	
CHEM 151H	General Chemistry II - Honors	5
CS 190	Programming in C++	4
MATH 265	Linear Algebra	4
MATH 266	Ordinary Differential Equations	4

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MAJOR TOTAL: 25**Units****Total units that may be double counted: 10****Units****CSU GE-Breadth or IGETC for CSU requirements: 39-42****Units****CSU electives (as needed to reach 60 transferable units): 0****Units**

Total Units**60**

Rationale: All California community colleges are required to offer transfer degrees in transfer disciplines as part of SB 1440 legislation.

Effective: FA14

AUTOMATIC AND MANUAL TRANSMISSION A.S. Degree Major

This degree prepares students to gain entry-level employment in maintenance and repair of automotive vehicle transmissions. Transmission technicians work with some of the most advanced technology in the auto service industry, including computer command control on electronic gear trains, couplings, hydraulic pumps and other transmission components.

REQUIRED COURSES:

		Units
AUTO 064	Auto/Truck Electrical Systems	4
	or	
DIESEL 064	Auto/Truck Electrical Systems	4
	or	
AUTO 065	Electrical Systems Diagnosis and Repair	5
AUTO 075	Automatic Transmissions Rear Wheel Drive	4
AUTO 076	Automatic Transaxles Front Wheel Drive	4
AUTO 077	Manual Transmissions and Transaxles	4
AUTO 084	General Automotive Technology	4
AUTO 090	Engine Repair	6

Total Units

26 - 27

This is a Gainful Employment Program

Rationale: Content review.

Effective: FA14

AUTOMOTIVE TECHNICIAN A.S. Degree Major

The Automotive Technology curriculum is designed to concentrate on technically-related courses in the repair of today's high-tech computerized automobile. Upon completion of the program, the degree holder will be able to seek employment as an entry level automobile repair technician in a dealership or the aftermarket service area, and can move into advanced automotive opportunities such as service advising and manufacturer corporate positions. The program is part of the National Automotive Technician Education Foundation (NATEF) division of Automotive Service Excellence (ASE) certified.

REQUIRED COURSES:

		Units
AUTO 050	Automotive Brakes	4
AUTO 052	Automotive Suspension and Steering	4
AUTO 056	Automotive Heating and Air Conditioning	4
AUTO 063	Emission Systems	4
AUTO 064	Auto/Truck Electrical Systems	4
	or	
DIESEL 064	Auto/Truck Electrical Systems	4
AUTO 065	Electrical Systems Diagnosis and Repair	5
AUTO 068	Engine Performance - Ignition Systems	5
AUTO 069	Engine Performance - Fuel and Exhaust Systems	5
AUTO075	Automatic Transmissions Rear Wheel Drive	4

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	or	
AUTO 076	Automatic Transaxles Front Wheel Drive	4
AUTO 077	Manual Transmissions and Transaxles	4
AUTO 084	General Automotive Technology	4
AUTO 090	Engine Repair	6

Total Units

53

This is a Gainful Employment Program

Rationale: Content review.

Effective: FA14

GENERAL WELDING A.S. Degree Major

This degree is designed to prepare students for entry-level jobs in structural steel construction, maintenance of industrial equipment, strengthening and repair of infrastructure.

REQUIRED COURSES:

	Units
WELD 010	Introduction to Welding 2
WELD 012	Oxy-Acetylene Welding 2
WELD 015	Beginning Gas Tungsten Arc Welding (GTAW) 2
WELD 027	Inspection of Welds: Destructive Tests 3
	or
WELD 028	Inspection of Welds: Non-Destructive Examination 3
WELD 045	Beginning Shielded Metal Arc Welding (SMAW) 3
WELD 046	Intermediate Shielded Metal Arc Welding (SMAW) 3
WELD 060	Layout Fitter 3
WELD 066	Los Angeles City Welding Certification 3
WELD 077	Introduction to Continuous Wire Welding 2

Total Units

23

This is a Gainful Employment Program

Rationale: Content review.

Effective: FA14

GEOGRAPHY A.S. Degree Major

The environmental and spatial science of geography examines both physical and cultural landscapes across the Earth. As a spatial science, physical and cultural location and patterns on Earth's surface are central to the study of geography. It includes the study of all forces of nature and the consequences of those forces, with an emphasis on human-environment interactions.

Specifically, geography integrates multiple natural and social sciences and includes: the nature and interactions of the atmosphere and the land, plants and animals, the Earth's waters, weather, climate, the Earth's dynamic surface, landforms and soil, and the way people have inhabited and altered the Earth by creating various forms of agriculture, language, religion, and cities.

Courses in geography fulfill the science and social sciences requirement for the associate degree, prepare the students for majoring in geography at a four-year institution, and supplement other studies for students interested in careers in environmental studies, education, engineering, urban planning, and architecture. Students planning to transfer to a four-year institution as a geography major should consult with a counselor regarding the transfer process and lower division requirements.

To graduate with a specialization in Geography, students must complete the following required courses plus the general breadth requirements for the Associate Degree (total = 60 units).

REQUIRED COURSES:

		Units
GEOG102	Cultural Geography	3
GEOG110	Physical Geography	3
GEOG111	Physical Geography Laboratory	1

or

GEOG111H	Physical Geography Laboratory - Honors	1
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REQUIRED COURSES: CHOOSE 12 UNITS FROM THE FOLLOWING:

		Units
GEOG100	Map Interpretation and Geospatial Analysis	3
or		
GIS100	Map Interpretation and Geospatial Analysis	3
GEOG106	Geographic Perspectives on the Environment	3
GEOG114	Weather and Climate	4
GEOG118	California Geography	3
GEOG120	World Regional Geography	3
GIS130	Introduction to Geographic Information Systems (GIS)	3
GIS133	GIS Cartography and Base Map Development	3
ECON208	Business and Economics Statistics	4

or

MATH108	Introduction to Probability and Statistics	4
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RECOMMENDED COURSES:

		Units
ECON100	Introduction to Economics	3
POLIT100	American Politics	3
POLIT141	Introduction to World Politics	3
SOC100	Introduction to Sociology	3

or

SOC100H	Introduction to Sociology - Honors	3
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Total Units

19

Rationale: Content review.

Effective: FA14

Curriculum Meetings: 11-25-13; 12-09-13

Conjoint Meeting: 12-18-13

Board of Trustees Meeting: January 16, 2014

GEOGRAPHY AA-T Transfer Degree

This Associate in Arts degree in Geography for Transfer (A.A.-T.) provides a path to students who wish to transfer to a CSU campus in Geography and serves the diverse needs of students who wish to obtain a broad and an in-depth understanding of the field. Additionally, this degree allows students to examine the environmental and spatial science of geography including both physical and cultural landscapes across the Earth. Courses in Geography also prepare students interested in careers in environmental studies, education, engineering, urban planning, and architecture.

The Student Transfer Achievement Reform Act (Senate Bill 1440, now codified in California Education Code sections 66746-66749) guarantees admission to a California State University (CSU) campus for any community college student who completes an "associate degree for transfer", a newly established variation of the associate degrees traditionally offered at a California community college. The Associate in Arts for Transfer (AA-T) or the Associate in Science for Transfer (AS-T) is intended for students who plan to complete a bachelor's degree in a similar major at a CSU campus. Students completing these degrees (AA-T or AS-T) are guaranteed admission to the CSU system, but not to a particular campus or major. In order to earn one of these degrees, students must complete a minimum of 60 required semester units of CSU-transferable coursework with a minimum GPA of 2.0. Students transferring to a CSU campus that does accept the AA-T or AS-T will be required to complete no more than 60 units after transfer to earn a bachelor's degree (unless the major is a designated "high unit" major). This degree may not be the best option for students intending to transfer to a particular CSU campus or to a university or college that is not part of the CSU system. Students should consult with a counselor when planning to complete the degree for more information on university admission and transfer requirements.

To earn this AA-T degree, students must meet the following requirements:

- completion of the following major requirements with grades of C or better;
- completion of a minimum of 60 CSU transferable semester units with a grade point average of at least 2.0; and
- certified completion of the CSU General Education-Breadth (CSUGE) or Intersegmental General Education Transfer Curriculum (IGETC) for CSU, which requires a minimum of 39 units.

It is highly recommend that students complete courses that satisfy the U.S. History, Constitution, and American Ideals requirement as part of CSUGE or IGETC before transferring to a CSU.

Students planning to transfer to a four-year institution and major in Geography should consult with a counselor regarding the transfer process and lower division requirements.

REQUIRED CORE COURSES:

		Units
GEOG 102	Cultural Geography	3
GEOG 110	Physical Geography	3
GEOG 111	Physical Geography Laboratory	1
	or	
GEOG 111H	Physical Geography Laboratory - Honors	1

LIST A: Select 6 to 7 units from the following:

		Units
GEOG 100	Map Interpretation and Geospatial Analysis	3
	or	
GIS 100	Map Interpretation and Geospatial Analysis	3
GEOG 114	Weather and Climate	4
GEOG 118	California Geography	3
GEOG 120	World Regional Geography	3
GIS 130	Introduction to Geographic Information Systems (GIS)	3

Curriculum Meetings: 11-25-13; 12-09-13

Conjoint Meeting: 12-18-13

Board of Trustees Meeting: January 16, 2014

LIST B: Select 6 units from the following:		Units
ANTHRO 102	Cultural Anthropology	3
ENGL 102	Intermediate Composition and Critical Thinking	4
or		
ENGL 102H	Intermediate Composition and Critical Thinking - Honors	4
GEOL 101	Introduction to Physical Geology	3
GIS 133	GIS Cartography and Base Map Development	3
OCEAN 101	Elements of Oceanography	3
and		
OCEAN 111	Elements of Oceanography Laboratory	1
POLIT 141	Introduction to World Politics	3

MAJOR TOTAL: 19-22 **Units**

Total units that may be double counted: 15-16 **Units**

CSU GE-Breadth or IGETC for CSU requirements: 37-39 **Units**

CSU electives (as needed to reach 60 transferrable units): 0-2 **Units**

Total Units **60**

Rationale: Content review.

Effective: FA14

MODIFY DEGREE

WHEEL ALIGNMENT AND BRAKES A.S. Degree Major

The degree prepares students for entry-work in front wheel and four wheel alignment and brake-repair. The technician can move into advanced automotive opportunities such as service advising and manufacturer corporate positions.

REQUIRED COURSES:

	Units
AUTO 050 Automotive Brakes	4
AUTO 051 Advanced Automotive Brakes	4
AUTO 052 Automotive Suspension and Steering	4
AUTO 053 Advanced Automotive Suspension and Steering	4
AUTO 064 Auto/Truck Electrical Systems	4
or	
DIESEL 064 Auto/Truck Electrical Systems	4
AUTO 084 General Automotive Technology	4

Total Units	24
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This is a Gainful Employment Program

Rationale: Content review.

Effective: FA14

DELETE DEGREE

CHILD DEVELOPMENT-SITE SUPERVISOR

Rationale: This degree is being deleted as the department has a certificate that is approved by the State in Site Supervision which gives students the opportunity to earn their Site Supervisor Permit from the Commission on Teacher Credentialing.

Effective: FA14

Curriculum Meetings: 11-25-13; 12-09-13

Conjoint Meeting: 12-18-13

Board of Trustees Meeting: January 16, 2014

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AUTOMATIC AND MANUAL TRANSMISSION Certificate

This certificate is designed to prepare students for entry-level work as an automatic transmission technician.

REQUIRED COURSES:

		Units
AUTO 064	Auto/Truck Electrical Systems	4
	or	
DIESEL 064	Auto/Truck Electrical Systems	4
	or	
AUTO 065	Electrical Systems Diagnosis and Repair	5
AUTO 075	Automatic Transmissions Rear Wheel Drive	4
AUTO 076	Automatic Transaxles Front Wheel Drive	4
AUTO 077	Manual Transmissions and Transaxles	4
AUTO 084	General Automotive Technology	4
AUTO 090	Engine Repair	6
TECALC 087	Technical Calculations	4
	or	
MATH 942	Arithmetic	3
	or	
	Eligibility for MATH 952 as determined by the SBVC assessment process	0

Total Units

26 - 31

This is a Gainful Employment Program

Rationale: Content review.

Effective: FA14

Curriculum Meetings: 11-25-13; 12-09-13

Conjoint Meeting: 12-18-13

Board of Trustees Meeting: January 16, 2014

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AUTOMOTIVE TECHNICIAN Certificate

This certificate is designed to prepare students for entry level work as automotive technicians working in areas such as general automotive repair and service.

REQUIRED COURSES:

		Units
AUTO 050	Automotive Brakes	4
AUTO 052	Automotive Suspension and Steering	4
AUTO 056	Automotive Heating and Air Conditioning	4
AUTO 064	Auto/Truck Electrical Systems	4
	or	
DIESEL 064	Auto/Truck Electrical Systems	4
AUTO 065	Electrical Systems Diagnosis and Repair	5
AUTO 068	Engine Performance - Ignition Systems	5
AUTO 069	Engine Performance - Fuel and Exhaust Systems	5
AUTO 075	Automatic Transmissions Rear Wheel Drive	4
	or	
AUTO 076	Automatic Transaxles Front Wheel Drive	4
AUTO 077	Manual Transmissions and Transaxles	4
AUTO 084	General Automotive Technology	4
AUTO 090	Engine Repair	6
TECALC 087	Technical Calculations	4
	or	
MATH 942	Arithmetic	3
	or	
	Eligibility for Math 952 as determined by the SBVC assessment process	0

Total Units

49 - 53

This is a Gainful Employment Program

Rationale: Content review.

Effective: FA14

Curriculum Meetings: 11-25-13; 12-09-13

Conjoint Meeting: 12-18-13

Board of Trustees Meeting: January 16, 2014

ENGINE PERFORMANCE Certificate

This certificate is designed to prepare students for entry-level work as engine performance specialist and diagnostic technician or a state certified smog check and repair technician. Areas such as computer systems, electrical systems, basic engine diagnosis and emissions repair and certification are covered.

REQUIRED COURSES:

		Units
AUTO 064	Auto/Truck Electrical Systems	4
	or	
DIESEL 064	Auto/Truck Electrical Systems	4
AUTO 066	ASE Alternative A-6, A-8, L-1 Prep or Certificate	4
AUTO 067	Emission/Smog Check Technician Training	4
AUTO 068	Engine Performance - Ignition Systems	5
AUTO 069	Engine Performance - Fuel and Exhaust Systems	5
TECALC 087	Technical Calculations	4
	or	
MATH 942	Arithmetic	3
	or	
	Eligibility for Math 952 as determined by the SBVC assessment process	0

Total Units

22 - 26

This is a Gainful Employment Program

Rationale: Content review.

Effective: FA14

GENERAL WELDING Certificate

This certificate is designed to provide students with an understanding of the terminology, concepts, procedures and skills used in the welding field to equip them with the fundamental skills necessary for entry- and intermediate-level employment.

REQUIRED COURSES:

		Units
TECALC 087	Technical Calculations	4
	or	
MATH 942	Arithmetic	3
	or	
	Eligibility for MATH 952 as determined by the SBVC assessment process	0 - 4
WELD 010	Introduction to Welding	2
WELD 012	Oxy-Acetylene Welding	2
WELD 015	Beginning Gas Tungsten Arc Welding (GTAW)	2
WELD 027	Inspection of Welds: Destructive Tests	3
	or	
WELD 028	Inspection of Welds: Non-Destructive Examination	3
WELD 045	Beginning Shielded Metal Arc Welding (SMAW)	3
WELD 046	Intermediate Shielded Metal Arc Welding (SMAW)	3
WELD 060	Layout Fitter	3
WELD 066	Los Angeles City Welding Certification	3
WELD 077	Introduction to Continuous Wire Welding	2

Total Units

23 - 27

This is a Gainful Employment Program

Rationale: Content review.

Effective: FA14

Curriculum Meetings: 11-25-13; 12-09-13

Conjoint Meeting: 12-18-13

Board of Trustees Meeting: January 16, 2014

GEOGRAPHIC INFORMATION SYSTEMS Certificate

This certificate is designed to prepare students for entry-level employment in Geographic Information Systems (GIS) and automated mapping technology, utilizing Earth resources data satellites, aerial photography, and computerized data banks of spatial data.

REQUIRED COURSES (15 units):

		Units
GIS 130	Introduction to Geographic Information Systems (GIS)	3
GIS 133	GIS Cartography and Base Map Development	3
GIS 134	Data Acquisition and Management	3
GIS 135	Spatial Analysis with GIS	3
GIS 136	GIS for Science, Government, and Business	3
	or	
GIS 137	GIS Advanced Applications	3

ELECTIVE COURSES (Minimum of 4 units):

		Units
GEOG 100	Map Interpretation and Geospatial Analysis	3
	or	
GIS 100	Map Interpretation and Geospatial Analysis	3
GIS 039	Global Positioning Systems (GPS) Field Techniques	1
GIS 098	GIS Work Experience	1 - 4
GIS 222	Independent Study in Geographic Information Systems	1 - 3

RECOMMENDED COURSES:

		Units
ARCH 120	Introduction to Computer Aided Drafting	4
CIT 101	Introduction to Computer Literacy	3
GEOG 110	Physical Geography	3
GEOL 101	Introduction to Physical Geology	3

Total Units	19
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This is a Gainful Employment Program

Rationale: Content review.

Effective: FA14

Curriculum Meetings: 11-25-13; 12-09-13

Conjoint Meeting: 12-18-13

Board of Trustees Meeting: January 16, 2014

MODIFY CERTIFICATE

PREVENTATIVE MAINTENANCE TECHNICIAN Certificate

This certificate is designed to prepare students for employment as technicians performing entry-level preventative maintenance and minor repairs. Typical duties include new car prep, vehicle inspections and assisting master technicians.

		Units
AUTO 050	Automotive Brakes	4
AUTO 052	Automotive Suspension and Steering	4
AUTO 064	Auto/Truck Electrical Systems	4
	or	
DIESEL 064	Auto/Truck Electrical Systems	4
	or	
AUTO 065	Electrical Systems Diagnosis and Repair	5
AUTO 084	General Automotive Technology	4
TECALC 087	Technical Calculations	4
	or	
MATH 942	Arithmetic	3
	or	
Eligibility for MATH 952 as determined by the SBVC assessment process		0

Total Units

16 - 21

This is a Gainful Employment Program

Rationale: Content review.

Effective: FA14

Curriculum Meetings: 11-25-13; 12-09-13

Conjoint Meeting: 12-18-13

Board of Trustees Meeting: January 16, 2014

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WHEEL ALIGNMENT AND BRAKES Certificate

This certificate is designed to prepare students for entry level work as an automotive technician working in the area of wheel alignment and brake repair. Students working for certificates must have a basic knowledge of arithmetic, reading and writing in order to learn and work in the occupations they select.

REQUIRED COURSES:

		Units
AUTO 050	Automotive Brakes	4
AUTO 051	Advanced Automotive Brakes	4
AUTO 052	Automotive Suspension and Steering	4
AUTO 053	Advanced Automotive Suspension and Steering	4
AUTO 064	Auto/Truck Electrical Systems	4
	or	
DIESEL 064	Auto/Truck Electrical Systems	4
AUTO 084	General Automotive Technology	4
TECALC 087	Technical Calculations	4
	or	
MATH 942	Arithmetic	3
	or	
	Eligibility for MATH 952 as determined by the SBVC assessment process	0

Total Units

24 - 28

This is a Gainful Employment Program

Rationale: Content review.

Effective: FA14