

**EL CAMINO COLLEGE  
MINUTES OF THE COLLEGE CURRICULUM COMMITTEE  
APRIL 23, 2013**

Present: B. Carey, B. Flamenno, E. French-Preston, S. Kushigemachi,  
M. Lipe, E. Martinez, V. Nemie, D. Pahl, S. Rodriguez, J. Simon, J. Sims

Absent: F. Arce, W. Brownlee, L. Houske, D. Juarez

Ex-Officio Members Present: Q. Chapman, R. Klier, J. Romero-Reyes, L. Suekawa

Ex-Officio Members Absent: M. Hall, S. Montague-Jackson

Guests: M. Guess, R. Newell, P. Sorunke

**CALL TO ORDER**

Chair Simon called the College Curriculum Committee (CCC) meeting to order at 2:35 p.m.  
Chair Simon introduced Robert Klier as the new Associate Dean for Academic Affairs.

**VICE PRESIDENT'S REPORT**

F. Arce off campus and unavailable to attend the meeting.

**APPROVAL OF MINUTES**

The minutes from the March 12, 2013, are currently under review by the committee.

**CURRICULUM REVIEW**

**Welding degree and certificate program – Live Vote**

- R. Newell of the Welding department discussed the interim plans that have been made to the welding program through next year. The welding degree and certificate have been restructured to allow continuing students the opportunity to get a degree or certificate while the department rewrites the welding curriculum for courses that lost their repeatability status.
- The degree and certificate program requirements are welding 1 or 21 and welding 5, 40 and 45 for a total of 19-24 units.
- Mathematics 12 (Basic Arithmetic Skills) was removed as a recommended elective for the degree program since students are required to complete mathematics competency Mathematics 73 or 80 or higher to receive an A.A. or A.S. degree.
- The completion of 5-6 additional units were removed from the certificate program.
- M. Lipe recommended the Welding department email Q. Chapman a description of the changes made to the degree and certificate. Q. Chapman will insert the description into the program rationale to document the welding program revisions.

- Chair Simon called for a motion to approve the changes to the welding degree and certificate. M. Lipe moved, S. Rodriguez seconded, and the motion was carried unanimously.

**Art 141 and 143 – Live Vote**

- The committee reviewed course outline of records (COR) for Art 141 and Art 143.
- Chair Simon and Q. Chapman met with J. Dallal, C. Fitzsimons, and D. Hayden to discuss eliminating “art” as a course discipline for Art 141 and 143. The decision was made to eliminate “art” as a course discipline.
- L. Suekawa recommended removing the statement “current edition” listed in the Text and Materials section of the COR for Art 141. Chair Simon will contact the department for concurrence.
- Q. Chapman removed the statement “one semester of” from the conditions of enrollment based on M. Lipe’s recommendation.
- The committee noticed the Texts and Materials section of the COR for Art 143 was missing textbook title. Chair Simon will notify the Arts department to provide the information.
- Chair Simon called for a motion to approve the proposed changes to Art 141 and 143 with corrections made by the committee. E. French-Preston moved, V. Nemie seconded, and the motion was carried unanimously.

**Art 147**

- The committee agreed that the topics listed in the Outline of Subject Matter in the COR for Art 147 does not contain enough detail to enable any qualified instructor to teach the course. Chair Simon will follow-up with the Art department to address the issue.

**Fashion 29**

- Chair Simon informed the committee there is a problem with existing student learning outcome (SLO) statements not transferring to the new course numbers that replaced repeatability courses in CurricUNET. Chair Simon has reported the problem to the SLO coordinators, and S. Rodriguez recommended staff be notified of the problem. Chair Simon will delay asking SLO coordinators for instructions to disseminate to department personnel until after the SLO coordinators meet next week to discuss software plans for SLO activity.

**SUMMARY**

**Full Course Review**

The following courses were approved in CurricUNET and are ready for final action:

1. Art 141 (formerly ART 141abcd)
2. Art 142 (formerly ART 142abcd)
3. Art 143 (formerly ART 143abcd)
4. Art 144 (formerly ART 144abcd)
5. Art 145 (formerly ART 145abcd)
6. Art 146 (formerly ART 146abcd)

7. Art 147 (formerly ART 147abcd)
8. Fashion 29 (formerly FASH 29ab)
9. Mathematics 111 (MATH 111)
10. Mathematics 120 (MATH 120)

### **Standard Review/Consent Agenda Proposals**

The following courses were approved in CurricUNET and are ready for final action:

1. Administration of Justice 49 (AJ 49)
2. Art 150 (ART 150)
3. Art 224 (formerly ART 24ab)
4. Art 225 (formerly ART 25abcd)
5. Biology 101 (BIOL 101)
6. Biology 102 (BIOL 102)
7. Computer Information Systems 20 (CIS 20)
8. Fashion 10 (formerly FASH 10ab)
9. Film 4 (FILM 4)
10. Law 19 (LAW 19)
11. Mathematics 73 (MATH 73)
12. Mathematics 191 (MATH 191)
13. Photography 150 (PHOT 150)

### **CHAIR'S REPORT**

Chair Simon reminded the committee to carefully review the March 12, 2013, minutes for curriculum changes made by their divisions and approve minutes with any indicated corrections by Wednesday, March 24<sup>th</sup>.

### **CURRICULUM ADVISORY REPORT**

Q. Chapman is in the process of preparing the Curriculum Timeline for fall 2013 and reminded the committee that their 2013 fall plans are due **June 3<sup>rd</sup>**. The three-year term ends this spring for CCC representatives from Counseling/Compton Center, English/Compton Center, Fine Arts, Health Sciences and Athletics, Industry and Technology, Natural Sciences, and Council of Deans. Before the end of the spring semester, Q. Chapman plans to send a letter to division deans requesting the names of representatives who will support the CCC for the new three-year term.

### **ADJOURNMENT**

Chair Simon called for a motion to adjourn the meeting. E. Martinez moved, B. Carey seconded, and the motion was carried. The meeting was adjourned at 3:32 p.m.

**EL CAMINO COLLEGE**  
**COLLEGE CURRICULUM COMMITTEE**

**April 23, 2013**  
**Approved Curriculum Changes for 2014-2015**

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**BUSINESS**

**COURSE REVIEW; CHANGE IN CATALOG DESCRIPTION**

1. Computer Information Systems 20 – Microsoft Windows

*Current Status/Proposed Changes*

This course focuses on the use and maintenance of a Windows based computer system and prepares students to set up and protect their home or office computer. Topics include establishing a multi-user environment, setting restore points, creating backups, disk defragmenting, file management and protection from ~~spyware~~ spyware and viruses.

*Recommendation*

This course focuses on the use and maintenance of a Windows based computer system and prepares students to set up and protect their home or office computer. Topics include establishing a multi-user environment, setting restore points, creating backups, disk defragmenting, file management and protection from spyware and viruses.

**COURSE REVIEW**

1. Law 19 – Law and Computers

**FINE ARTS**

**COURSE REVIEW; CHANGES IN COURSE DISCIPLINE, CATALOG DESCRIPTION, COURSE NUMBER UPDATE, CONDITIONS OF ENROLLMENT UPDATE (Prerequisite, Corequisite, Recommended Preparation, or Enrollment Limitation)**

1. Art 141(formerly Art 141abcd) – Digital Art

*Current Status/Proposed Changes*

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**Note: All course number changes are effective fall 2013. Course discipline changes become effective immediately. Transfer degrees will be implemented upon Chancellor's Office approval.**

Course Discipline: ~~Art~~ Multimedia

Recommended Preparation: ~~one semester of Art 10AB 110 or Art 37AB 130~~ with a minimum grade of C and eligibility for English 84 and Working knowledge of the computer and operating system

This course provides students with a foundation in the two basic types of graphics software, vector (drawing) and raster (painting/photography). Topics include integration of traditional design, with a focus on the principles of two-dimensional design color, and compositional principles with contemporary digital tools. Students will work on a variety of digital projects involving drawing, design, typography, and photographic manipulation.

*Recommendation*

Course Discipline: Multimedia

Recommended Preparation: Art 110 or Art 130 with a minimum grade of C and eligibility for English 84 and Working knowledge of the computer and operating system

This course provides students with a foundation in the two basic types of graphics software, vector (drawing) and raster (painting/photography). Topics include integration of traditional design, color, and compositional principles with contemporary digital tools. Students will work on a variety of digital projects involving drawing, design, typography, and photographic manipulation.

**COURSE REVIEW; CHANGES IN COURSE DISCIPLINE, CONDITIONS OF ENROLLMENT (Prerequisite, Corequisite, Recommended Preparation, or Enrollment Limitation)**

1. Art 142 (formerly Art 142abcd)– Digital Photography  
*Current Status/Proposed Changes*  
Course Disciplines: ~~Art~~ Multimedia

Prerequisite: Art 141 ~~One semester of Art 141ABCD or Art 151AB~~ with a minimum grade of C

Recommended Preparation: Art 150 or Photography 51

*Recommendation*

Course Disciplines: Multimedia

Prerequisite: Art 141 with a minimum grade of C

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**Note: All course number changes are effective fall 2013. Course discipline changes become effective immediately. Transfer degrees will be implemented upon Chancellor's Office approval.**

Recommended Preparation: Art 150 or Photography 51

2. Art 143 (formerly Art 143abcd) – Digital Design and Publishing

*Current Status/Proposed Changes*

Course Disciplines: ~~Art~~ Graphic Arts

Prerequisite: ~~one semester of Art 141ABCD~~ Art 141 or Art 131 with a minimum grade of C or equivalent experience

~~Recommended Preparation: Art 41AB~~

*Recommendation*

Course Disciplines: Graphic Arts

Prerequisite: Art 141 or Art 131 with a minimum grade of C or equivalent experience

3. Art 145 (formerly Art 145abcd) – Multimedia Design

*Current Status/Proposed Changes*

Course Disciplines: ~~Art~~ Multimedia

Prerequisite: ~~One semester of Art 141ABCD~~ Art 141 with a minimum grade of C or equivalent experience

Recommended Preparation: ~~Art 142ABCD and Art 144ABCD~~ Art 146 or Basic knowledge of web design

*Recommendation*

Course Disciplines: Multimedia

Prerequisite: Art 141 with a minimum grade of C

Recommended Preparation: Art 146 or Basic knowledge of web design

4. Art 146 (formerly Art 146abcd) – Designing for the World Wide Web

*Current Status/Proposed Changes*

Course Disciplines: ~~Art~~ Multimedia

**Note: All course number changes are effective fall 2013. Course discipline changes become effective immediately. Transfer degrees will be implemented upon Chancellor's Office approval.**

Prerequisite: ~~one semester of Art 141ABCD~~ Art 141 with a minimum grade of C or equivalent experience

Recommended Preparation: ~~Art 142ABCD AND either Art 39AB or Art 143ABCD~~ Art 131 or Art 142

*Recommendation*

Course Disciplines: Multimedia

Prerequisite: Art 141 with a minimum grade of C

Recommended Preparation: Art 131 or Art 142

**COURSE REVIEW; CHANGES IN COURSE DISCIPLINE, COURSE NUMBER UPDATE, CONDITIONS OF ENROLLMENT (Prerequisite, Corequisite, Recommended Preparation, or Enrollment Limitation)**

1. Art 144 (formerly Art 144abcd) – Three-Dimensional Computer Animation  
*Current Status/Proposed Changes*  
Course Disciplines: ~~Art~~ Multimedia

Prerequisite: ~~one semester of Art 141~~ with a minimum grade of C or equivalent

Recommended Preparation: Art 110 ~~10AB~~

*Recommendation*

Course Disciplines: Multimedia

Prerequisite: Art 141 with a minimum grade of C

Recommended Preparation: Art 110

2. Art 147 (formerly Art 147abcd) – Motion Graphics  
*Current Status/Proposed Changes*  
Course Disciplines: ~~Art~~ Multimedia

Prerequisite: ~~one semester of Art 141ABCD~~ Art 141 with a minimum grade of C or equivalent

Recommended Preparation: Art 142 ~~Art 142ABCD~~

**Note: All course number changes are effective fall 2013. Course discipline changes become effective immediately. Transfer degrees will be implemented upon Chancellor's Office approval.**

*Recommendation*

Course Disciplines: Multimedia

Prerequisite: Art 141 with a minimum grade of C or equivalent

Recommended Preparation: Art 142

**COURSE REVIEW; CATALOG DESCRIPTION**

1. Art 150 – The Art of Photography

*Current Status/Proposed Changes*

This course is a survey of photography as an art form which includes the evolution of photography as art. The course will also cover the aesthetic and cultural impact of photography as art. Also included is an examination of the techniques and methods of traditional and digital photography. Students will learn camera functions and develop their ability to analyze, evaluate, and compose photographs.

Note: This course is the same as Photography 150. Course credit is limited to Art 150 or Photography 150.

*Recommendation*

This course is a survey of photography as an art form which includes the evolution of photography as art. The course will also cover the aesthetic and cultural impact of photography as art. Also included is an examination of the techniques and methods of traditional and digital photography. Students will learn camera functions and develop their ability to analyze, evaluate, and compose photographs.

Note: This course is the same as Photography 150. Course credit is limited to Art 150 or Photography 150.

2. Photography 150 – The Art of Photography

*Current Status/Proposed Changes*

This course is a survey of photography as an art form which includes the evolution of photography as art. The course will also cover the aesthetic and cultural impact of photography as art. Also included is an examination of the techniques and methods of traditional and digital photography. Students will learn camera functions and develop their ability to analyze, evaluate, and compose photographs.

Note: This course is the same as Art150. Course credit is limited to ~~Art~~ Photography 150 or Photography Art 150.

**Note: All course number changes are effective fall 2013. Course discipline changes become effective immediately. Transfer degrees will be implemented upon Chancellor's Office approval.**



*Recommendation*

This course is a survey of photography as an art form which includes the evolution of photography as art. The course will also cover the aesthetic and cultural impact of photography as art. Also included is an examination of the techniques and methods of traditional and digital photography. Students will learn camera functions and develop their ability to analyze, evaluate, and compose photographs.

Note: This course is the same as Art150. Course credit is limited to Photography 150 or Art 150.

**COURSE REVIEW; CHANGES IN COURSE NUMBER UPDATE, CONDITIONS OF ENROLLMENT (Prerequisite, Corequisite, Recommended Preparation, or Enrollment Limitation)**

1. Art 224 (formerly Art 24ab) – Life Painting I  
*Current Status/Proposed Changes*  
 Prerequisite: ~~one semester of Art 22AB~~ Art 222 and ~~17AB~~ 217 with minimum grade of C

*Recommendation*

Prerequisite: Art 222 and 217 with minimum grade of C

**COURSE REVIEW**

1. Art 225 (formerly Art 25abcd) – Life Painting II
2. Film 4 – Story Development

**INDUSTRY AND TECHNOLOGY**

**CHANGE IN MAJOR; CHANGES IN COURSE REQUIREMENTS, UNITS**

1. Welding A.S. Degree  
*Current Status/Proposed Changes*  

<b>Major Requirements</b>		<b>Units</b>
Complete a minimum of <del>24</del> 25 units from:		
<del>WELD 2ABC</del>	<del>Basic Welding Technology</del>	<del>8</del>
<del>WELD 21</del>	<del>Basic Shielded Metal Arc Welding (SMAW)</del>	<del>3</del>
<del>WELD 40ABCD</del>	<del>Gas Tungsten Arc Welding (GTAW), Gas Metal Arc Welding (GMAW)</del>	<del>3</del>
<del>WELD 45AB</del>	<del>Structural Fabrication</del>	<del>5</del>

Note: All course number changes are effective fall 2013. Course discipline changes become effective immediately. Transfer degrees will be implemented upon Chancellor’s Office approval.

<u>WELD 1</u>	<u>Introduction to Welding Process</u>	<u>8</u>
or		
<u>WELD 21</u>	<u>Basic Shielded Metal Arc Welding (SMAW)</u>	<u>3</u>
and		
<u>WELD 5</u>	<u>Basic Welding Technology</u>	<u>8</u>
<u>WELD 40</u>	<u>Gas Tungsten Arc Welding (GTAW)</u>	<u>3</u>
<u>WELD 45</u>	<u>Structural Fabrication</u>	<u>5</u>

**Total Units: ~~24-25~~ 19-24**

Recommended Electives:

<del>WELD 23ABC</del>	<del>Advanced Arc Welding Specialty Lab</del>
<del>WELD 28AB</del>	<del>American Welding Society (AWS) D.1 Certification Test Preparation</del>
<del>MTT 16AB</del>	<del>General Metals (one semester)</del>
<del>MATH 12</del>	<del>Basic Arithmetic Skills</del>
<u>WELD 15</u>	<u>Basic Welding for Allied Fields</u>
<u>WELD 23</u>	<u>Advanced Arc Welding Specialty Lab</u>

<u>WELD 28</u>	<u>American Welding Society (AWS) D.1 Certification Test Preparation</u>
<u>CADD 5</u>	<u>Introduction to Mechanical Drafting</u>
<u>MTT 16</u>	<u>General Metals</u>

*Recommendation*

<b>Major Requirements</b>		<b>Units</b>
WELD 1	Introduction to Welding Process	8
or		
WELD 21	Basic Shielded Metal Arc Welding (SMAW)	3
and		
WELD 5	Basic Welding Technology	8
WELD 40	Gas Tungsten Arc Welding (GTAW)	3
WELD 45	Structural Fabrication	5

**Total Units: 19-24**

**Note: All course number changes are effective fall 2013. Course discipline changes become effective immediately. Transfer degrees will be implemented upon Chancellor's Office approval.**

Recommended Electives:

WELD 15	Basic Welding for Allied Fields
WELD 23	Advanced Arc Welding Specialty Lab
WELD 28	American Welding Society (AWS) D.1 Certification Test Preparation
CADD 5	Introduction to Mechanical Drafting
MTT 16	General Metals

**CHANGE IN CERTIFICATE OF ACHIEVEMENT; COURSE REQUIREMENTS, UNITS**

1. Welding Certificate of Achievement

*Current Status/Proposed Changes*

**Certificate Requirements** **Units**

Complete ~~24-25~~ units from:

WELD 2ABC	Basic Welding Technology	8
WELD 21	Basic Shielded Metal Arc Welding (SMAW)	3
WELD 40ABCD	Gas Tungsten Arc Welding (GTAW), Gas Metal Arc Welding (GMAW)	3
WELD 45AB	Structural Fabrication	5

<u>WELD 1</u>	<u>Introduction to Welding Process</u>	<u>8</u>
or		
<u>WELD 21</u>	<u>Basic Shielded Metal Arc Welding (SMAW)</u>	<u>3</u>
and		
<u>WELD 5</u>	<u>Basic Welding Technology</u>	<u>8</u>
<u>WELD 40</u>	<u>Gas Tungsten Arc Welding (GTAW)</u>	<u>3</u>
<u>WELD 45</u>	<u>Structural Fabrication</u>	<u>5</u>

**Total Units: ~~32-34~~ 19-24**

**complete ~~8-9~~ units from:**

WELD 23ABC	Advanced Arc Welding Specialty Lab	2
WELD 28AB	American Welding Society (AWS) D1.1 Certification Test Preparation	3
CADD 5	Introduction to Mechanical Drafting	3
MTT 16AB	General Metals	3
MATH 12	Basic Arithmetic Skills	3
ENGL A	Writing the College Essay	3

or

**Note: All course number changes are effective fall 2013. Course discipline changes become effective immediately. Transfer degrees will be implemented upon Chancellor's Office approval.**

~~qualifying score for English 1A on English Placement Test  
(one semester of MTT 16AB may be counted for the certificate)~~

*Recommendation*

<b>Major Requirements</b>		<b>Units</b>
WELD 1	Introduction to Welding Process	8
or		
WELD 21	Basic Shielded Metal Arc Welding (SMAW)	3
and		
WELD 5	Basic Welding Technology	8
WELD 40	Gas Tungsten Arc Welding (GTAW)	3
WELD 45	Structural Fabrication	5

**Total Units: 19-24**

**COURSE REVIEW; CHANGE IN CATALOG DESCRIPTION**

1. Administration of Justice 49 – Laws of Arrest and Firearms - Penal Code 832

*Current Status/Proposed Changes*

This ~~class is designed~~ course is designed to meet the minimum requirements for training as required by Penal Code Section 832 and certified by the California Commission on Peace Officer Standards and Training (P.O.S.T.). The course is certified by P.O.S.T. in the areas of laws of arrest, ~~and~~ ethical use of force, ~~arrest and control~~ methods, and ~~control and~~ firearms training. The course has ~~45~~ 38 hours of lecture covering the California laws of arrest and firearms, ~~9~~ 10 hours of training in arrest ~~methods~~ and control methods, and ~~18~~ 24 hours of training in the use of firearms, for a total of 72 hours. The course will cover the basic fundamentals of the laws of arrest; arrest and control methods, and controls; ~~and~~ the basic principles of firearms training, ~~which that~~ that will enhance an individual's ability to meet the State's minimum requirements for employment in a law enforcement or allied agency.

Note: Letter grade or pass/no pass option.

Note: Students pay fees for this course for Department of Justice background check and clearance, firing range, ammunition and targets.

*Recommendation*

This course is designed to meet the minimum requirements for training as required by Penal Code Section 832 and certified by the California Commission on Peace

**Note: All course number changes are effective fall 2013. Course discipline changes become effective immediately. Transfer degrees will be implemented upon Chancellor's Office approval.**

Officer Standards and Training (P.O.S.T.). The course is certified by P.O.S.T. in the areas of laws of arrest, ethical use of force, arrest and control methods, and firearms training. The course has 38 hours of lecture covering California laws of arrest and firearms, 10 hours of training in arrest and control methods, and 24 hours of training in the use of firearms, for a total of 72 hours. The course will cover the basic fundamentals of the laws of arrest, arrest and control methods, and the basic principles of firearms training that will enhance an individual's ability to meet the State's minimum requirements for employment in a law enforcement or allied agency.

Note: Letter grade or pass/no pass option.

Note: Students pay fees for this course for Department of Justice background check and clearance, firing range, ammunition and targets.

### **COURSE REVIEW; CHANGE IN CATALOG DESCRIPTION**

1. Fashion 10 ((formerly Fashion 10ab) – Clothing Construction I

*Current Status/Proposed Changes*

This course provides the analysis and application of basic clothing construction techniques used on woven and knit garments emphasizing pattern and fabric selection, seam and garment construction, and finishing. Students will be trained on the proper use and care of the sewing and overlock machines. Students will construct several garments. Consumer decision-making is emphasized.

*Recommendation*

This course provides the analysis and application of basic clothing construction techniques used on woven and knit garments emphasizing pattern and fabric selection, seam and garment construction, and finishing. Students will be trained on the proper use and care of the sewing and overlock machines. Students will construct several garments. Consumer decision-making is emphasized.

### **COURSE REVIEW; CHANGES IN CATALOG DESCRIPTION, CONDITIONS OF ENROLLMENT (Prerequisite, Corequisite, Recommended Preparation, or Enrollment Limitation)**

1. Fashion 29 (formerly Fashion 29ab) – Computer Pattern Design or Patternmaking

*Current Status/Proposed Changes*

Prerequisite: ~~Fashion 3~~ Fashion 26A with a minimum grade of C or equivalent

**Note: All course number changes are effective fall 2013. Course discipline changes become effective immediately. Transfer degrees will be implemented upon Chancellor's Office approval.**

This course covers the application of computer pattern aided design Gerber AccuMark software. Students will draft and manipulate basic blocks and garment styles. Students will work in teams to simulate the work environment.

Note: Letter grade or pass/no pass option

*Recommendation*

Prerequisite: Fashion 26A with a minimum grade of C or equivalent

This course covers the application of computer pattern aided design software. Students will draft and manipulate basic blocks and garment styles. Students will work in teams to simulate the work environment.

Note: Letter grade or pass/no pass option

## MATHEMATICAL SCIENCES

### COURSE REVIEW; DISTANCE EDUCATION UPDATE

1. Mathematics 73 – Intermediate Algebra for General Education

### COURSE REVIEW; CHANGE IN CONDITIONS OF ENROLLMENT (Prerequisite, Corequisite, Recommended Preparation, or Enrollment Limitation)

1. Mathematics 111 – Mathematics for Elementary School Teachers-Geometry, Probability & Statistics

*Current Status/Proposed Changes*

Prerequisite: Mathematics 60 with a minimum grade of C or equivalent and

Mathematics 67

or

Mathematics 73

or

Mathematics 80 with a minimum grade of C in prerequisite or equivalent

*Recommendation*

Prerequisite: Mathematics 60 with a minimum grade of C or equivalent and

Mathematics 67

or

Mathematics 73

or

Mathematics 80 with a minimum grade of C in prerequisite or equivalent

**Note: All course number changes are effective fall 2013. Course discipline changes become effective immediately. Transfer degrees will be implemented upon Chancellor's Office approval.**

**COURSE REVIEW; CHANGES IN CONDITIONS OF ENROLLMENT  
(Prerequisite, Corequisite, Recommended Preparation, or Enrollment Limitation),  
DISTANCE EDUCATION UPDATE**

1. Mathematics 120 – Nature of Mathematics

*Current Status/Proposed Changes*

Prerequisite: Mathematics 67 or Mathematics 73 or Mathematics 80 with a minimum grade of C in prerequisite or qualification by testing (El Camino College Mathematics Placement Test) and assessment

*Recommendation*

Prerequisite: Mathematics 67 or Mathematics 73 or Mathematics 80 with a minimum grade of C in prerequisite or qualification by testing (El Camino College Mathematics Placement Test) and assessment

**COURSE REVIEW; CHANGE IN CATALOG DESCRIPTION**

1. Mathematics 191 – Single Variable Calculus and Analytic Geometry II

*Current Status/Proposed Changes*

This course includes a study of methods of integration; applications of integration; improper integrals; numerical integration; infinite sequences, series and power series, parametric equations, and polar coordinates ~~and conic sections~~.

*Recommendation*

This course includes a study of methods of integration, applications of integration, improper integrals, numerical integration, infinite sequences, series and power series, parametric equations, and polar coordinates.

**NATURAL SCIENCES**

**COURSE REVIEW**

1. Biology 101 – Principles of Biology I
2. Biology 102 – Principles of Biology II

**Note: All course number changes are effective fall 2013. Course discipline changes become effective immediately. Transfer degrees will be implemented upon Chancellor's Office approval.**