

**EL CAMINO COLLEGE
MINUTES OF THE COLLEGE CURRICULUM COMMITTEE
OCTOBER 13, 2009**

Present: F. Arce, J. Davidson, S. Gates, A. Himsel, R. Hughes, L. Kjeseth, M. Lipe, V. Lloyd, B. Jaffe, E. Martinez, M. Odanaka, V. Rayford, J. Sims, J. Thompson

Members Absent : S. Panski

Ex-Officio Members Present: Q. Chapman, L. Suekawa, J. Young

Ex-Officio Members Absent: C. Brinkman, M. Hall, J. Harmon, R. Smith, Student Reps

Also Present: W. Doyle, C. Fitzsimons, K. O'Brien, T. Palos, J. Shankweiler

CALL TO ORDER

Chair Kjeseth called the College Curriculum Committee (CCC) meeting to order at 2:33 p.m.

APPROVAL OF MINUTES

The minutes from the September 22nd CCC meeting were approved by the committee via email.

CHAIR'S REPORT

- Chair Kjeseth advised the committee that the response rate was lower than expected for the full review proposals being presented today.
- Chair Kjeseth stated the importance of both types of review and urged the committee to continue to put forth a diligent effort in their review.
- He advised committee members to mark with red colored pencils (provided for them today) any grammatical errors that should be corrected. Corrections to the new course proposals should be turned into Q. Chapman for review.
- Chair Kjeseth welcomed B. Jaffe to the committee who is replacing V. Rapp. He expressed his gratitude to V. Rapp for his service on the committee.
- He informed the committee that all divisions are on track to have all of their out-of-compliance courses reviewed this fall. The spring semester should be reserved for other courses that are coming up for review this academic year.
- Chair Kjeseth stated that he needed to finalize the structure of the reports that will be generated in CurricUNET. He encouraged the committee to send him lists with types of queries or reports they would like to see from our course data.

VICE PRESIDENT – ACADEMIC AFFAIRS' REPORT

- F. Arce thanked everyone for all of their diligent work again. He stated that the accreditation report is scheduled to go to the commission tomorrow.
- F. Arce also announced the Council of Deans committee representative replacement, B. Jaffe, and acknowledged V. Rapp for her many years of service on the committee.

CURRICULUM REVIEW

Fine Arts Proposals

- C. Fitzsimons, Dean of Fine Arts, distributed errata sheets to the committee for new course proposals – Film/Video 51 and Music 17. She also introduced faculty members from the division, William Doyle and Kevin O'Brien.
- C. Fitzsimons began with Music 17 and discussed each section where revisions were made to the new course proposal and the course outline of record.
- She continued with Film/Video 51. K. O'Brien accepted the recommendation from the committee and made a minor change to the catalog description.
- C. Fitzsimons advised the committee that revisions to the Film/Video major will not be presented at this time. The department will continue to review the course requirements in the major and bring the proposal to the committee at a later date.
- Chair Kjeseth asked for a motion to approve the new courses as stand-alone courses, the conditions of enrollment, and the distance education course version (Music 17). M. Lipe moved, J. Davidson seconded, and the motion carried.

Natural Sciences Proposals

- J. Shankweiler, Dean of Natural Sciences, distributed an errata sheet and introduced T. Palos from the Life Sciences department.
- She informed the committee that the department has been awarded STEM grant funds and this course is one of the first courses developed as a result of the grant.
- She began with a review of Biology 104 which is a lab only support course for Biology 101. J. Shankweiler discussed each section where revisions were made. Q. Chapman revised the prerequisite statement for logic purposes.
- Chair Kjeseth asked T. Palos to explain to the committee the purpose of the new course proposal and the plan for future courses that will be components of the STEM grant. T. Palos provided the following information:
 - Students have requested a lab course to supplement the instruction received in the lecture course.
 - The lecture and lab's are not combined because the need for a lecture/laboratory combination course is not present. Students may only need to fulfill lecture or lab and this course fills that need.
 - The lab only arrangement will appeal to a variety of students in our service population.
 - With the grant funds, these courses will be available to students.
 - The new courses will provide students with research experience and a competitive advantage when transferring to four-year institutions.
- Chair Kjeseth asked for a motion to approve the new course as a stand-alone and the conditions of enrollment. V. Lloyd moved, M. Lipe second, and the motion carried.

CONSENT AGENDA PROPOSALS

- Chair Kjeseth turned the committee's attention to today's Consent Agenda. There 41 course proposals on today's agenda – Behavioral and Social Sciences (3), Fine Arts (2), Health Sciences and Athletics (8), Humanities (8), Industry and Technology (16), Mathematical Sciences (2), and Natural Sciences (2).
- After reivew, Chair Kjeseth called for a motion to approve the Consent Agenda proposals, including the conditions of enrollment, and distance education updates. V. Lloyed moved, S. Gates seconded, and the motion carried.

HANDOUTS

- Chair Kjeseth asked Q. Chapman to explain the Curriculum Handbook handouts. Each reprsenatiave was given Section V updates for their College Curriculum Handbook.
- It was also noted that corrections are needed to p. 221 Curriculum Directory. M. Odanaka and M. Lipe provided corrections.
- Q. Chapman advised that the directory will be updated and forwarded to all members via email.
- New cover pages for the revised Program and Course Approval Handbook were also given to the committee. Three committee members do not have handbooks. Q. Chapman will send handbooks via campus mail.

CURRICUNET PRESENTATION

- Chair Kjeseth conducted a demonstration of the the new El Camino College CurricUNET site.
- The demonstration included samples of Input functions/ data input and new course proposal (entry fields).
- The committee discussed SLOs – Chair Kjeseth stated that although SLOs will be part of the course, but not subject to CCC approval.
- Exact dates for CurricUNET training for campus users has not yet been determined.

ADJOURNMENT

Chair Kjeseth asked for a motion to adjourn the meeting. M. Lipe moved, B. Jaffe seconded, and the motion carried. The meeting was adjourned at 4:10 p.m.

**EL CAMINO COLLEGE
COLLEGE CURRICULUM COMMITTEE**

**Proposed Curriculum Changes
October 13, 2009**

BEHAVIORAL AND SOCIAL SCIENCES DIVISION

COURSE REVIEW

1. Anthropology 99abc – Independent Study
2. Economics 99abc – Independent Study
3. Psychology 99abc – Independent Study

FINE ARTS DIVISION

COURSE REVIEW

1. Art 99abc – Independent Study
2. Dance 99abc – Independent Study

NEW COURSES

1. Film/Video 51 – Film and Popular Music in Post-World War II America
Units: 3 Lecture: 3 hours Faculty Load: 20.00%
Recommended Preparation: eligibility for English 1A
Credit, degree applicable; Transfer CSU; Proposed Transfer UC
This course surveys the intersection of popular cinema with popular music in American culture and society since World War II. It focuses on the historical, aesthetic, social-political, economic, and technological developments that have shaped the evolution of both popular music and film. Emphasis is placed on how these art forms reflect and impact the cultural and social issues of their times.
2. Music 17 – Music of the Beatles
Units: 3 Lecture: 3 hours Faculty Load: 20.00%
Recommended Preparation: eligibility for English 1A
Credit, degree applicable; Transfer CSU; Proposed Transfer UC
This course surveys musical styles of the Beatles from 1957-1970. It focuses on the historical, aesthetic, social-political, economic, and technological developments that have shaped the evolution of popular music. Emphasis is placed on identifying the

Beatles' various musical periods, stylistic practices in compositions and concerts, and reflections of and impacts on the cultural and social issues of their time.

NEW DISTANCE EDUCATION COURSE

1. Music 17 – Music of the Beatles (Online)

HEALTH SCIENCES AND ATHLETICS DIVISION

COURSE REVIEW; CHANGES IN NUMBER, UNITS, CSU GENERAL EDUCATION REQUIREMENT

Current Status/Proposed Change

1. Physical Education 70abc – Men's Intercollegiate Soccer Team
Units: 2 3
Proposed CSU General Education Requirement – Area E

Recommendation:

Physical Education 70abc – Men's Intercollegiate Soccer Team
Units: 3
Proposed CSU General Education Requirement – Area E

COURSE REVIEW; CSU GENERAL EDUCATION REQUIREMENT

1. Physical Education 71abc – Off-Season Training for Men's Intercollegiate Soccer Team
Current Status/Proposed Change
Proposed CSU General Education Requirement – Area E

Recommendation:

Proposed CSU General Education Requirement – Area E

COURSE REVIEW; CHANGES IN NUMBER, TRANSFER STATUS, A.A./A.S. GENERAL EDUCATION REQUIREMENT, CSU GENERAL EDUCATION REQUIREMENT

Current Status/Proposed Change

1. Physical Education 233abc – Pep Squad
Proposed UC Transfer
Proposed CSU General Education Requirement – Area E
AA/AS General Education Requirement – Area 5

Recommendation:

Physical Education 233abc – Pep Squad
Proposed UC Transfer
Proposed CSU General Education Requirement – Area E
AA/AS General Education Requirement – Area 5

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

1. Physical Education 234abcd – Off-Season Training for Pep Squad

Current Status/Proposed Change

Enrollment limitation: tryout

~~This course is designed as off-season training for aspiring cheerleaders and is not limited to current returning members of the pep cheerleading squad. Students are trained in cheer, dance and stunting. This course is a requirement for cheerleaders participating in the competition squad. Students will work on skill development in cheer, dance and stunting. Strength training and cardiovascular conditioning will also be implemented.~~

~~Note: This course is offered spring semester and summer session only.~~

Proposed CSU General Education Requirement – Area E

Recommendation:

Enrollment limitation: tryout

This course is designed as off-season training for returning members of the cheerleading squad. This course is a requirement for cheerleaders participating in the competition squad. Students will work on skill development in cheer, dance and stunting. Strength training and cardiovascular conditioning will also be implemented.

Proposed CSU General Education Requirement – Area E

**COURSE REVIEW; CHANGES IN CATALOG DESCRIPTION, CSU
GENERAL EDUCATION REQUIREMENT**

1. Physical Education 256abcd – Yoga for Health and Fitness

Current Status/Proposed Change

~~This course is designed to improve both strength fitness and flexibility health through mind and body integration. The course presents the asanas (yYoga postures) (asanas) are woven together to provide a workout that does not emphasize targets the body, but does not emphasize any religion, or philosophy, or a particular type of meditation. Breathing while performing the asanas will be emphasized is stressed. Various styles of Hatha Yoga will be studied and practiced introduced.~~

This course will give the student both the knowledge and the practice to move toward improved health, and greater fitness and mind and body awareness.

Proposed CSU General Education Requirement – Area E

Recommendation:

This course is designed to improve both fitness and health through mind and body integration. Yoga postures (asanas) are woven together to provide a workout that targets the body, but does not emphasize any religion, or philosophy. Breathing while performing the asanas is stressed. Various styles of Hatha Yoga will be introduced. This course will give the student both the knowledge and the practice to move toward improved health, fitness and mind and body awareness.

Proposed CSU General Education Requirement – Area E

COURSE REVIEW; CHANGE IN CATALOG DESCRIPTION

1. Sign Language/Interpreter Training 19 – Advanced Interpreting: Sign to Voice
Current Status/Proposed Change

~~This course is designed primarily for the~~ focuses on development of ~~Reverse Interpreting Skills (Sign to Voice); Reverse interpreting consists of conversion of manual sign language systems into spoken language. Students will develop skills necessary for simultaneous delivery of sign to voice translating and sign to voice interpretation skills. Specific techniques in linguistic and cultural mediation, style variations, and team interpreting. This class will enhance understanding, reading and verbal presentation of American Sign Language and other modes of manual communication. will be learned. Topics will include the interpreting process, self analysis, and ethical conduct.~~

Recommendation:

This course focuses on development of sign to voice interpretation skills. Specific techniques in linguistic and cultural mediation, style variations, and team interpreting will be learned. Topics will include the interpreting process, self analysis, and ethical conduct.

2. Sign Language/Interpreter Training 22 – Educational Interpreting
Current Status/Proposed Change

This course will help prepare students for interpreting in the educational field. ~~It will prepare students for the roles need to function in the K-12 setting as well as enhance their knowledge of technical and academic sign language vocabulary for high school and college. This course is strongly recommended~~ Focus will be on transliterating and interpreting skills, roles and ethics unique to educational settings, classroom accessibility, and enhancement of academic sign vocabulary. This course is appropriate for students interested in interpreting for schools, vocational programs, colleges, and universities.

Recommendation:

This course will help prepare students for interpreting in the educational field. Focus will be on transliterating and interpreting skills, roles and ethics unique to

educational settings, classroom accessibility, and enhancement of academic sign vocabulary. This course is appropriate for students interested in interpreting for schools, vocational programs, colleges, and universities.

3. Sign Language/Interpreter Training 101abcd – Individualized American Sign Language Laboratory

Current Status/Proposed Change

~~This laboratory course is designed to provide individualized instruction in a laboratory setting using self-paced prescriptive course work and videotapes. This course will also provide additional receptive and expressive practice in American Sign Language.~~ provides opportunities for practice and further development of American Sign Language (ASL) skills. Self-paced study allows students to improve both signing and comprehension skills. Interactive exercises and visual media will be utilized to reinforce vocabulary and syntax.

Note: Pass/no pass only

Recommendation:

This laboratory course provides opportunities for practice and further development of American Sign Language (ASL) skills. Self-paced study allows students to improve both signing and comprehension skills. Interactive exercises and visual media will be utilized to reinforce vocabulary and syntax.

Note: Pass/no pass only

HUMANITIES DIVISION

COURSE REVIEW

1. Chinese 99abc – Independent Study
2. English 10 – Introduction to Poetry

COURSE REVIEW; DISTANCE EDUCATION UPDATE; CHANGE IN CATALOG DESCRIPTION

1. Academic Strategies 60 – Strategies for Success in Distance Education

Current Status/Proposed Change

The goal of this course is to prepare students for taking distance education classes. This course covers the basics of taking an interactive, asynchronous distance education course via the Internet or other computer- and instructional television based systems. Use of e-mail, online class interactions such as discussion groups, World Wide Web access, equipment needs and differences between online and onsite courses will be covered.

Recommendation:

The goal of this course is to prepare students for taking distance education classes. This course covers the basics of taking an interactive, asynchronous distance education course via the Internet or other computer-based systems. Use of e-mail, online class interactions such as discussion groups, World Wide Web access, equipment needs and differences between online and onsite courses will be covered.

COURSE REVIEW; CHANGES IN TRANSFER STATUS, CATALOG DESCRIPTION, IGETC GENERAL EDUCATION REQUIREMENT

1. English 27 – Children’s Literature

Current Status/Proposed Change

~~This course introduces students to surveys the historical and cultural development of children’s literature, including classic and contemporary works. Literary and artistic qualities are examined with respect to historical and includes critical approaches and the examination of shared themes that cross cultural and geographical boundaries. Students read both classic and contemporary perspectives. Books for preschoolers to adolescents are read and analyzed works spanning cultures and time periods and reflect on the significance of a genre written specifically for children.~~

Proposed UC Transfer

Proposed IGETC General Education Requirement – Area 3B

Recommendation:

This course surveys the historical and cultural development of children’s literature; and includes critical approaches and the examination of shared themes that cross cultural and geographical boundaries. Students read both classic and contemporary works spanning cultures and time periods and reflect on the significance of a genre written specifically for children.

Proposed UC Transfer

Proposed IGETC General Education Requirement – Area 3B

COURSE REVIEW; CHANGES IN NUMBER, DESCRIPTIVE TITLE, CATALOG DESCRIPTION

Current Status/Proposed Change

1. English 38ab – ~~Screen~~ Creative Writing: ~~Workshop~~ Screenwriting

~~In This course is a workshop in creating students learn the skills necessary to create original feature film screenplays. From analyzing film scripts by professional writers, students learn essential techniques on screenplay writing. The course also provides information on how to begin a career in the film industry, including how to find an agent and how to tailor a script for the marketplace. Themes, character, plot, and dialogue are discussed and developed by means of writing exercises. Script format and story structure are analyzed by reading feature film scripts and discussing produced film stories.~~

Recommendation:

English 38ab – Creative Writing: Screenwriting

In this course students learn the skills necessary to create original feature film screenplays. Themes, character, plot, and dialogue are discussed and developed by means of writing exercises. Script format and story structure are analyzed by reading feature film scripts and discussing produced film stories.

COURSE REVIEW; CHANGE IN CATALOG DESCRIPTION

1. English 41A – Survey of Film: 1895 - 1950

Current Status/Proposed Change

This course focuses on ~~viewing~~, screening, discussing, analyzing, and writing about film as a narrative reflective of its time and culture. Students study representative film masterpieces from the late 19th century to 1950, the age of television, by viewing films or portions of films. An emphasis is placed on ~~analyzing and writing about the~~ ideas and values portrayed in the films with regards to how they reflect the concerns of particular nationalities and time periods. Students also analyze the growth and transformation of various artistic techniques used by the filmmakers.

Recommendation:

This course focuses on screening, discussing, analyzing, and writing about film as a narrative reflective of its time and culture. Students study representative film masterpieces from the late 19th century to 1950, the age of television, by viewing films or portions of films. An emphasis is placed on ideas and values portrayed in the films with regards to how they reflect the concerns of particular nationalities and time periods. Students also analyze the growth and transformation of various artistic techniques used by the filmmakers.

2. English 41B – Survey of Film: 1950 - Present

Current Status/Proposed Change

This course focuses on ~~viewing~~, screening, analyzing, and writing about film as a narrative reflective of its time and culture. Students study representative film masterpieces from 1950 to the present by viewing films or portions of films. An emphasis is placed on ~~analyzing and writing about the~~ ideas and values portrayed in the films with regards to how they reflect the concerns of particular nationalities and time periods. Students also analyze the growth and transformation of various artistic techniques used by the filmmakers, as well as trends in major transnational filmmaking and media conglomeration.

Recommendation:

This course focuses on screening, analyzing and writing about film as a narrative reflective of its time and culture. Students study representative film masterpieces from 1950 to the present by viewing films or portions of films. An emphasis is placed on ideas and values portrayed in the films with regards to how they reflect the concerns of particular nationalities and time periods. Students also analyze the growth and transformation of various artistic techniques used by the filmmakers, as well as trends in major transnational filmmaking and media conglomeration.

**COURSE REVIEW; CHANGES IN CONDITIONS OF ENROLLMENT
(Prerequisite, Corequisite, Recommended Preparation, or Enrollment Limitation),
CATALOG DESCRIPTION, A.A./A.S. GENERAL EDUCATION
REQUIREMENT, IGETC GENERAL EDUCATION REQUIREMENT**

1. Japanese 25 – Cultural Aspects of the Japanese Language

Current Status/Proposed Change

Recommended Preparation: eligibility for English 84 1A

This course provides a study of the cultural aspects of the Japanese language, including the origin of the Japanese people and their language, art, religion, philosophy, and geography. The anthropological and sociological characteristics relating to the language and a comparison of Japanese and Western languages and cultures are also covered. This course is taught in English.

~~Note: Course is conducted in English~~

A.A./A.S. General Education Degree – Section A, 3. Humanities

Proposed IGETC General Education Requirement – Area 3B

Recommendation:

Recommended Preparation: eligibility for English 1A

This course provides a study of the cultural aspects of the Japanese language, including the origin of the Japanese people and their language, art, religion, philosophy, and geography. The anthropological and sociological characteristics relating to the language and a comparison of Japanese and Western languages and cultures are also covered. This course is taught in English.

A.A./A.S. General Education Degree – Section A, 3. Humanities

Proposed IGETC General Education Requirement – Area 3B

INDUSTRY AND TECHNOLOGY DIVISION

COURSE REVIEW

1. Fashion 31 – History of Costume
2. Fashion 36 – Advanced Apparel Pattern Making and Draping Design

3. Fire and Emergency Technology 2 – Fire Prevention Technology
4. Fire and Emergency Technology 5 – Fire Behavior and Combustion
5. Machine Tool Technology 10A – Introduction to CAD/CAM
6. Machine Tool Technology 16ab – General Metals
7. Machine Tool Technology 40 – Machine Shop Calculations

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

1. Electronics and Computer Hardware Technology 192 – Robotics and Machine Control

Current Status/Proposed Change

Recommended Preparation: Electronics and Computer Hardware Technology ~~420~~
~~and 11~~ or 130 or equivalent

Recommendation:

Recommended Preparation: Electronics and Computer Hardware Technology 11 or 130 or equivalent

2. Fashion 26A – Basic Design and Patternmaking

Current Status/Proposed Change

Prerequisite: one semester of Fashion 11ab ~~11ab~~ 10ab with a minimum grade of C or concurrent enrollment

Recommended Preparation: Mathematics 40 or Mathematics 43; eligibility for English 84

Recommendation:

Prerequisite: one semester of Fashion 10ab with a minimum grade of C or concurrent enrollment

Recommended Preparation: Mathematics 40 or Mathematics 43; eligibility for English 84

3. Machine Tool Technology 10B – Computer Numerical Control Programming

Current Status/Proposed Change

Prerequisite: Machine Tool Technology 10A or equivalent; Machine Tool Technology 40 or equivalent; and Machine Tool Technology ~~13A~~ ~~or 46~~ or 101abcd or equivalent with a minimum grade of C in prerequisite

Recommendation:

Prerequisite: Machine Tool Technology 10A or equivalent; Machine Tool Technology 40 or equivalent; and Machine Tool Technology 46 or 101abcd or equivalent with a minimum grade of C in prerequisite

4. Machine Tool Technology 10J – Numerical Computer Graphics Programming

Current Status/Proposed Change

Recommended Preparation: Machine Tool Technology 10A, Machine Tool Technology ~~43A~~, 101abcd, Machine Tool Technology 40 or equivalent

Recommendation:

Recommended Preparation: Machine Tool Technology 10A, Machine Tool Technology 40, Machine Tool Technology 101abcd or equivalent

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

1. Fire and Emergency Technology 15 – Fire Academy

Current Status/Proposed Change

Units: ~~14.5~~-12

Prerequisite:

1. Fire and Emergency Technology 1 with a minimum grade of C or equivalent;
2. Fire and Emergency Technology 140 and 141 (Emergency Medical Training) with a minimum grade of ~~C~~ B in each or equivalent or possession of valid certification as an Emergency Medical Technician;
3. ~~Physical Education 8~~ Fire Fighter Physical Agility Test (FPAT or CPAT)

~~Enrollment Limitation:~~

4. Pass a physical examination according to the National Fire Protection Association (NFPA) Standard #1582
5. Possess a valid California Driver's License

Recommendation:

Units: 12

Prerequisite:

1. Fire and Emergency Technology 1 with a minimum grade of C or equivalent;
2. Fire and Emergency Technology 140 and 141 (Emergency Medical Training) with a minimum grade of B in each or equivalent or possession of valid certification as an Emergency Medical Technician;
3. Fire Fighter Physical Agility Test (FPAT or CPAT)
4. Pass a physical examination according to the National Fire Protection Association (NFPA) Standard #1582
5. Possess a valid California Driver's License

COURSE REVIEW; CHANGE IN CATALOG DESCRIPTION

1. Fashion 1 – Career Opportunities in Fashion

Current Status/Proposed Change

This course surveys career opportunities in the fashion industry including fashion design and fashion merchandising. Students will explore ~~the uniqueness of both themselves and the industry in all of its complexity through classroom exercises and visits in the field~~ career choice possibilities in terms of their personality traits and will study the characteristics, technology and global inter-relationships of segments of the fashion industry through readings, classroom exercises and industry contacts. Students will prepare for job search including preparation of a resume, cover letter and business cards.

Recommendation:

This course surveys career opportunities in the fashion industry including fashion design and fashion merchandising. Students will explore career choice possibilities in terms of their personality traits and will study the characteristics, technology and global inter-relationships of segments of the fashion industry through readings, classroom exercises and industry contacts. Students will prepare for job search including preparation of a resume, cover letter and business cards.

2. Manufacturing Technology 2 – Materials and Processes of Manufacturing

Current Status/Proposed Change

This course introduces students to materials ~~of manufacture,~~ used in manufacturing, their properties, characteristics, classification, and treatment. The manufacturing processes of material removal, fabrication, joining, surface preparation, casting, molding, forging, and extruding are also covered. The course will assist the student in preparing for certification as a ~~CMT (Certified Manufacturing Technologist)~~ (CMT) sponsored by the ~~SME (Society of Manufacturing Engineers)~~ (SME).

Recommendation:

This course introduces students to materials used in manufacturing, their properties, characteristics, classification, and treatment. The manufacturing processes of material removal, fabrication, joining, surface preparation, casting, molding, forging, and extruding are also covered. The course will assist the student in preparing for certification as a Certified Manufacturing Technologist (CMT) sponsored by the Society of Manufacturing Engineers (SME).

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

1. Fashion 14 – Pattern Grading

Current Status/Proposed Change

Prerequisite: Fashion 26A with a minimum grade of C or equivalent; Mathematics 40 or Mathematics 43 with a minimum grade of C or equivalent

~~This course covers~~ is an introduction to manual grading of patterns with reference to computer grading. The class will define tools, terminology and basic materials and skills necessary for the pattern grading process. This course covers sizing commercial and individual patterns for ~~the adult~~ a run of sizes.

Recommendation:

Prerequisite: Fashion 26A with a minimum grade of C or equivalent; Mathematics 40 or Mathematics 43 with a minimum grade of C or equivalent

This course is an introduction to manual grading of patterns with reference to computer grading. The class will define tools, terminology and basic materials and skills necessary for the pattern grading process. This course covers sizing commercial and individual patterns for a run of sizes.

2. Fashion 16ab – Fashion Illustrating

Current Status/Proposed Change

Prerequisite: one semester of Fashion 15ab with a minimum grade of C or equivalent

Recommended Preparation: one semester of Art 17ab or concurrent enrollment

~~The In this course, emphasizes drawing students utilize and refine drawing and rendering skills focusing on illustrations of the fashion figure in detailed proportion using different media. Projects will cover fabric rendering, advertising, illustration and preparing the student for various art materials. Students create a fashion illustration portfolio and develop presentation skills specific to creative fashion design. Emphasis is placed on developing apparel design by rendering designs with use of appropriate software for the apparel industry. Topics include fashion illustrations for specific categories of merchandise, group or line building conceptualization, apparel workroom illustration or technical flats, fabric rendering and fashion advertising illustration for specific target markets.~~

Recommendation:

Prerequisite: one semester of Fashion 15ab with a minimum grade of C or equivalent

Recommended Preparation: one semester of Art 17ab or concurrent enrollment

In this course, students utilize and refine drawing and rendering skills focusing on illustrations of the fashion figure using various art materials. Students create a fashion illustration portfolio and develop presentation skills specific to creative

fashion design. Topics include fashion illustrations for specific categories of merchandise, group or line building conceptualization, apparel workroom illustration or technical flats, fabric rendering and fashion advertising illustration for specific target markets.

MATHEMATICAL SCIENCES DIVISION

COURSE REVIEW; CHANGE IN CATALOG DESCRIPTION

1. Mathematics 150 – Elementary Statistics with Probability

Current Status/Proposed Change

The focus of this course is the basic practice of statistics, including descriptive statistics, inferential statistics, and the role probability plays in statistical analysis. Students calculate and interpret ~~statistical parameters~~ various descriptive statistics using graphing calculators with statistical testing capabilities and statistical software, as well as by hand. Major topics include methods of data collection and simulation; measures of central tendency, variability, and relative position; graphical summaries of data; linear regression and correlation; distributions, including normal and binomial distributions; probability theory; and inferential statistical methods. Students choose, justify, use, and interpret the results of inferential techniques, such as confidence intervals, hypothesis tests, goodness of fit, analysis of variance, and nonparametric tests.

Recommendation:

The focus of this course is the basic practice of statistics, including descriptive statistics, inferential statistics, and the role probability plays in statistical analysis. Students calculate and interpret various descriptive statistics using graphing calculators with statistical testing capabilities and statistical software, as well as by hand. Major topics include methods of data collection and simulation; measures of central tendency, variability, and relative position; graphical summaries of data; linear regression and correlation; distributions, including normal and binomial distributions; probability theory; and inferential statistical methods. Students choose, justify, use, and interpret the results of inferential techniques, such as confidence intervals, hypothesis tests, goodness of fit, analysis of variance, and nonparametric tests.

2. Mathematics 270 – Differential Equations with Linear Algebra

Current Status/Proposed Change

This course consists of a study of first order ordinary differential equations, systems of linear equations, matrices, determinants, vector spaces, linear transformations, linear second-order ordinary differential equations, power series solutions, numerical methods, Laplace transforms, eigenvalues, eigenvectors, systems of linear differential equations and applications.

~~Note: Mathematics 270 was formerly numbered Mathematics 6B.~~

Recommendation:

This course consists of a study of first order ordinary differential equations, systems of linear equations, matrices, determinants, vector spaces, linear transformations, linear second-order ordinary differential equations, power series solutions, numerical methods, Laplace transforms, eigenvalues, eigenvectors, systems of linear differential equations and applications.

NATURAL SCIENCES DIVISION

COURSE REVIEW

1. Astronomy 99abc – Independent Study

COURSE REVIEW; CSU GENERAL EDUCATION REQUIREMENT

1. Physiology 31 – Human Physiology

Current Status/Proposed Change

Proposed CSU General Education Requirement – Area B2

Recommendation:

Proposed CSU General Education Requirement – Area B2

NEW COURSE

1. Biology 104 – Molecular Biology Laboratory

Units: 1.5 Lab: 3 hours Faculty Load: 15%

Prerequisite: Biology 103 with a minimum grade of C or equivalent or concurrent enrollment

Credit, degree applicable; Transfer CSU; Proposed Transfer UC

This course provides basic techniques in protein and nucleic acid experimentation. The content reinforces concepts presented in the Fundamentals of Molecular Biology course. Methodologies covered include protein purification and quantitation, determination of enzymatic activity, SDS-PAGE, Western Blotting, ELISA, DNA extraction and quantitation, agarose gel electrophoresis, DNA recombination, transformation of *E. coli*, clone selection and screening, PCR, and Southern Blotting.