SANTA MONICA COLLEGE
ACADEMIC
SENATE
1900 Pico Boulevard
Santa Monica, CA 90405
310.434.4611

CURRICULUM COMMITTEE ❙ AGENDA

Wednesday, March 19, 2014 ❙ 3:00 p.m.
Loft Conference Room – Drescher Hall 300-E

Members:

Guido Davis Del Piccolo, *Chair*	Ida Danzey	Randal Lawson	James Pacchioli
Georgia Lorenz, *Vice Chair*	Sandra Hutchinson	Helen LeDonne	Elaine Roque
Brenda Antrim	Maral Hyeler	Karen Legg	Jeffery Shimizu
Teri Bernstein	Josh Kanin	Walt Louie	David Shirinyan
Sang Chi	Hasun Khan	Walter Meyer	Toni Trives
	William Konya	Estela Narrie	Alex Van Dertol

Interested Parties:

Jamey Anderson	Jonathan Cohanne	Mona Martin	Linda Sinclair
Maria Bonin	Kiersten Elliott	Steven Myrow	Madeleine Sundberg
Patricia Burson	Tina Fleming	Katharine Muller	Sal Veas
		Robin Ramsdell	Chris Young

Ex-Officio Members:

Eve Adler	Ty Moura

A G E N D A

(Items for action are listed alphabetically; items for information are listed numerically)

I. Call to order

II. Public Comments*

III. Approval of Minutes……...……3

IV. Chair's report:

V. Information items:

(Course Updates)

1. CHEM 9: Everyday Chemistry
2. CHEM 10: Introductory General Chemistry
3. CHEM 21: Organic Chemistry I
4. CHEM 22: Organic Chemistry II
5. CHEM 24: Organic Chemistry II Laboratory
6. PHYSCS 6: General Physics I with Lab
7. PHYSCS 7: General Physics II with Lab
8. PHYSCS 12: Introductory Physics Non-Lab
9. PHYSCS 21: Mechanics With Lab
10. PHYSCS 22: Electricity And Magnetism with Lab

**Five minutes is allotted to any member of the public who wishes to address the Curriculum Committee on a specific agenda item, for general public comments, or non-agenda items.*

VI. Action items:

(Consent Agenda)

a. PHOTO 43: Portfolio Development (reduction in hours; change in prerequisites)……8

(Global Citizenship)

b. CHEM 9: Everyday Chemistry……..14

(New Department Certificate)

c. Energy Efficiency Specialist……20

(New Program)

d. Associate in Science for Transfer (AS-T), Kinesiology……..21

VII. New Business:

e. Assessment Best Practices……22
f. 508 Compliance Information Session

VIII. Adjournment

Please advise Guido Davis Del Piccolo (x. 3561), Georgia Lorenz (x. 4277) or Grace Smith (x. 4454) if you are unable to attend this meeting.

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CURRICULUM COMMITTEE | MINUTES

Wednesday, March 5, 2014 | 3:00 p.m.
Loft Conference Room – Drescher Hall 300-E

Members Present:

Guido Davis Del Piccolo, *Chair*	Ida Danzey	Randal Lawson	James Pacchioli
Georgia Lorenz, *Vice Chair*	Sandra Hutchinson	Karen Legg	Elaine Roque
Brenda Antrim	Josh Kanin	Walt Louie	Jeffery Shimizu
Teri Bernstein	Hasun Khan	Walter Meyer	David Shirinyan
Sang Chi	William Konya	Estela Narrie	Toni Trives

Members Absent:

Maral Hyeler	Helen LeDonne	Alex Van Dertol

Others Present:

Simon Balm	Salvador Carrasco	Gary Fouts	Howard Stahl
Fariba Bolandhemat	Vicki Drake	Michael Schwartz	

M I N U T E S

(Items for action are listed alphabetically; items for information are listed numerically)

I. Call to order:
The meeting was called to order at 3:05pm

II. Public Comments*:
None.

III. Approval of Minutes:
- The minutes of December 4, 2013 were approved as presented with the following amendment:
  - Karen **Legg**, not Karen Gunn moved to approve item V. no. 5

IV. Chair's report:
- On February 18, 2014, the Academic Senate approved all the courses approved by the Curriculum Committee on December 4, 2013.
- The Chair welcomed William Konya, Math Department representative.

V. Information items:

(Course Updates)

1. ASTRON 1: Stellar Astronomy
   (Item no. 2 Film 32 and Item no. 3 Film 33 moved to "Consent Agenda")

**Five minutes is allotted to any member of the public who wishes to address the Curriculum Committee on a specific agenda item, for general public comments, or non-agenda items.*

(SLO Updates)

2. PHOTO 1: Introduction To Photography
3. PHOTO 2: Basic Photography Lab Techniques
4. PHOTO 30: Techniques of Lighting: Introduction
5. PHOTO 31: Photographing People: Introduction
6. PHOTO 32: Lighting for People 2
7. PHOTO 33: Techniques of Lighting: Product
8. PHOTO 37: Advanced Black And White Printing Technique
9. PHOTO 39: Beginning Photoshop
10. PHOTO 40: Digital Capture
11. PHOTO 5: Digital Asset Management, Modification, & Output
12. PHOTO 50: Basic Color Printing
13. PHOTO 52: History of Photography

VI. Action items:

(Consent Agenda)

14. **FILM 32: Advanced Digital Filmmaking**
15. **FILM 33: Directing The Short Film**

(Film 32 and 33 were pulled from "Information items" to "Consent Agenda" as committee approval is required for the addition of corequisites of Film 32L and Film 33L, respectively, to these courses.)

Motion Made by: David Shirinyan **Seconded by:** Teri Bernstein
The motion passed unanimously.

a. **Enforcement of ~~ANATMY 1: Human Anatomy and~~ PHYS 3: Human Physiology as prerequisites for NURSNG 17: Pharmacological Aspects of Nursing –** presented by Ida Danzey**:** After an extensive discussion, it was decided that only PHYS 3: Human Physiology would be computer enforced,.

Motion Made by: Estela Narrie **Seconded by:** Toni Trives
Yeses: 18
Noes: 1(David Shirinyan)
Abstentions: 0

(New Courses)

b. **ASTRON 8: Introduction to Astrophysics –** presented by Simon Balm, Gary Fouts and Michael Schwartz.

Motion Made by: Brenda Antrim **Seconded by:** Randal Lawson
The motion passed unanimously.

Prerequisite (Math 2):
Motion Made by: Teri Bernstein **Seconded by:** Randal Lawson
The motion passed unanimously.

c. **ASTRON 9: Intermediate Astrophysics with Calculus (sent back to department)**
The Curriculum Committee decided to send back ASTRON 9 to the department, with the agreement of the department representatives present, as the course in its present form is not equivalent to the lower-level UC Astronomy course(s). The department will meet with

the Articulation officer and the Physics department to discuss adding additional prerequisites of Physics 21, 22, 23 and Math 8.

d. CS 83R: Server-Side Ruby Web Programming – presented by Howard Stahl.
Jeff Shimizu voted to approve CS 83R with the following changes:

- The course does not apply to CSU GE Area B
- All references to a prerequisite of CS 56 need to be changed to CS 55

Motion Made by: Jeff Shimizu **Seconded by:** Elaine Roque
The motion passed unanimously.

(Prerequisites: CS 15/CS 52/CS 53A/CS 55 and CS 60 and CS 80)

Motion Made by: Teri Bernstein **Seconded by:** David Shirinyan
The motion passed unanimously.

e. FILM 32L: Advanced Digital Filmmaking Lab – presented by Salvador Carrasco.
Karen Legg moved to approve Film 32L with the following changes:

- The course will transfer to CSU

Motion Made by: Karen Legg **Seconded by:** Walt Louie
The motion passed unanimously.

f. FILM 33L: Directing the Short Film Lab– presented by Salvador Carrasco.
Karen Legg moved to approve Film 33L with the following changes:

- The course will transfer to CSU

Motion Made by: Karen Legg **Seconded by:** Walt Louie
The motion passed unanimously.

g. FILM 50: Production Sound - presented by Salvador Carrasco.
Randal Lawson moved to approve Film 50 with the following changes:

- Remove equivalency information from "Minimum Qualifications"

Motion Made by: Randal Lawson **Seconded by:** Brenda Antrim
The motion passed unanimously.

h. KIN PE 14C: Advanced Cross Country – presented by Elaine Roque.

Motion Made by: David Shirinyan **Seconded by:** Karen Legg
The motion passed unanimously.

(Distance Education)

i. ASTRON 1: Stellar Astronomy – presented by Simon Balm.
Elaine Roque moved to approve ASTRON 1 (DE) with the following edits:

- Library has adequate materials to support course
- Delete SLO #3 (technical error)

Motion Made by: Elaine Roque **Seconded by:** Teri Bernstein
The motion passed unanimously.

j. CS 83R: Server-Side Ruby Web Programming – presented by Howard Stahl.

Motion Made by: Randal Lawson **Seconded by:** Brenda Antrim
The motion passed unanimously.

(New Degree)

k. Film Production: Associate in Science (AS) and Certificate of Achievement – presented by Salvador Carrasco.
A revised version of the degree was presented to the Committee for its consideration (see Appendix-A)

Motion Made by: Jeff Shimizu **Seconded by:** Toni Trives
The motion passed unanimously.

VII. New Business:

16. **Assessment Best Practices:** In the interest of time, this item was postponed for consideration at the next meeting of March 19, 2014.

17. **Academic Senate Bylaw Revision for Curriculum Committee –** presented by the Chair. The proposed addition to Senate Bylaws Appendix A was approved with some minor grammatical edits,

Motion Made by: Brenda Antrim **Seconded by:** Estela Narrie
The motion passed unanimously.

VIII. Adjournment:

The meeting was adjourned at 5:17pm.

APPENDIX-2

Film Production (VERSION 2)
Associate in Science (AS) / Certificate of Achievement

The program in Film Production will provide hands-on instruction in filmmaking/digital video production. This encompasses creative and logistical production, directing, editing, cinematography, and audio, as well as techniques for making specific types of films and/or videos, and the planning and management of film/video operations. All of the production classes infuse theory into and through the course products.

This Certificate of Achievement involves satisfactory completion of the area of emphasis (articulated below). This Associate degree involves satisfactory completion of a minimum of 60 semester units with a C average or higher, including the semester units of the area of of emphasis (articulated below), fulfillment of the Global Citizenship requirement, and fulfillment of all Santa Monica College general education requirements, CSU GE, or IGETC. At least 50% of the area of emphasis units must be completed at Santa Monica College. Each course in the area of emphasis must be completed with a grade of C or higher. Additional graduation requirements for the Associate degree are available at the Transfer/Counseling Center and online at www.smc.edu/articulation.

Catalog rights dictate that a student may satisfy the requirements of a degree or certificate by completing the general education and area of emphasis requirements in effect at any time of the student's continuous enrollment. Continuous enrollment is defined as enrollment in consecutive Fall and Spring semesters until completion.

Area of Emphasis

Foundation Courses (12 units required):		**Units**
FILM 1	Film Appreciation Introduction To Cinema	3
	or	
FILM 2	History Of Motion Pictures	3
FILM 20	Beginning Scriptwriting	3
FILM 30	Production Planning For Film And Video	3
FILM 31	Introduction To Digital Filmmaking	3

Directing Courses (6-9 units required):		**Units**
FILM 32 (if taken prior to Fall 2014)	Advanced Digital Filmmaking	3
	or	
FILM 32 (if taken Fall 2014 or later)	Advanced Digital Filmmaking	3
	and	
FILM 32L	Advanced Digital Filmmaking Lab	1
FILM 33 (if taken prior to Fall 2014)	Directing The Short Film	3
	or	
FILM 33 (if taken Fall 2014 or later)	Directing The Short Film	3
	and	
FILM 33L	Directing the Short Film Lab	2

Specialized Courses (6 units required)		**Units**
FILM 40	Cinematography	3
FILM 50	Production Sound	3
ET 31A	Digital Video Fundamentals	3

Elective Courses (minimum of 6 units required):		**Units**
FILM 7	American Cinema Crossing Cultures	3
FILM 21	Advanced Scriptwriting	3
AHIS 11	Art Appreciation Introduction To Global Visual Culture	3
ET 31B	Digital Video Editing	3
ET 40	Digital Audio Fundamentals	3
ET 60	Post Production Project	3

Total Units for Area of Emphasis: 30 - 33

Santa Monica College
Update (NON-Substantial Changes)
Expanded Course Outline for PHOTO 43 - Portfolio Development

Course Cover	
Discipline	PHOTO-PHOTOGRAPHY
Course Number	43
Full Course Title	Portfolio Development
Catalog Course Description	This course addresses the process of building a photographic portfolio that meets the current professional industry standards for presenting work to potential employers and clients. Emphasis is placed on developing a personal style that displays a comprehensive understanding of photographic methods, genres, and presentation.
Rationale	
Rationale	Photo 43 has evolved away from a course that needs dedicated studio time. Students are photographing for and building their first portfolio, that will act as their resume in the working world of professional photography. Students are allowed to choose the specific photographic topic of their choice, and many projects don't require a studio for shooting. With the current structure of Photo 43, the 3-hour weekly lab time is often used as extended lecture time rather than an actual lab.
Proposal Information	
Proposed Start	Year: 2014 Semester: Fall
Proposed for Distance Ed	No
Proposed for Global Citizenship	No
Course Unit/Hours	
Variable Hour Exist	NO
Credit Hours	Min: 3.00
Weekly Lecture Hours	Min: 3.00 (Sem: 54)
Weekly Laboratory Hours	Min: 0
Weekly Arranged Hours	Min:
Total	54.00

Semester Instructional Hours	
Load Factor	1.00
Load Factor Rationale	Class will be three hours of lecture with no lab hours
Repeatability	May be repeated 0 time(s)
Grading Methods	Letter Grade or P/NP

Program Applicability	
Designation	Credit - Degree Applicable
Proposed For	**AA Degree** -Photography **Certificate of Achievement** -Photography

Pre/Corequisites & Advisories

Prerequisite
PHOTO 31

Prerequisite
PHOTO 33

Prerequisite
PHOTO 39

Course Objectives

Upon satisfactory completion of the course, students will be able to:
1. Produce and present a professional portfolio that meets department expectations and industry standards.
2. Create marketing materials and promotional strategies to support print portfolio.
3. Demonstrate knowledge of industry trends and professional practices related to professional photography
4. Communicate professionally using visual and verbal presentation skills.

Course Content

25%	Explore and apply professional level of lighting techniques
15%	Develop and produce invoices, promotional marketing pieces, and business cards
25%	Discuss maturing visual awareness in students' work
35%	Produce a cohesive series of portfolio images that reflect current trends in commercial photography, while reflecting the student's personal artistic vision

Total: 100%	
Methods of Presentation	
Opt Heading	
Methods	Critique Lecture and Discussion Visiting Lecturers
Methods of Evaluation	
Methods	• 10% - Class Participation Critiques and discussions • 65% - Portfolios Produce a portfolio meeting professional standards to be used as as a tool for securing employment • 10% - Projects Produce marketing materials • 15% - Research Projects Research current trends in commercial photography • 100% - Total
Appropriate Textbooks	
Textbooks such as the following are appropriate:	
Formatting Style	APA
Textbooks	
1. Susan Carr. *The ASMP Guide to New Markets in Photography*, ed. Allworth Press, 2012, ISBN: 1581159218.	
2. American Society of Media Photographers. *ASMP Professional Business Practices in Photography*, 7th ed. Allworth Press, 2008, ISBN: 1581154976.	
3. Larry VOlk. *No Plastic Sleeves: The Complete Portfolio Guide for Photographers and Designers*, ed. Focal Press, 2010, ISBN: 0240810902.	
Assignments	
Sample Assignment	
The 5+5 Journal Every week of the semester, you are to document a list of 5 things you did outside this class, and its assignments, to make yourself a better photographer. Things such as read a book on creativity, went to a gallery show, read a biography on a photographer, took a workshop, tried a new photographic technique, called up a photographer and set up a studio visit, went to an APA or ASMP meeting, etc. The second 5 are a list of places you researched that you can market your work. It could be a gallery, a magazine, an Ad Agency, client direct, etc. **These must be potential clients** who could actually use your style of work. The more thorough you are the better this information will be for you to use in the future. Vehicles such as Facebook or sourcebooks are NOT potential clients. Research places that have a potential use for your	

images rather than advertising methods.

This assignment is to be neatly typed, printed, and organized in a 3-ring binder. Hand written submissions will NOT be accepted. DO NOT wait until the last minute. The information going into this journal should be on the forefront of your mind.

Student Learning Outcomes
1. Produce and present a professional portfolio that meets department expectations and industry standards.
2. Create marketing materials and promotional strategies to support print portfolio.
3. Demonstrate knowledge of industry trends and professional practices related to professional photography.
4. Communicate professionally using visual and verbal presentation skills.

Minimum Qualification	
Minimum Qualifications:	Photographic Technology/ Commercial Photography

Library	
List of suggested materials has been given to librarian?	No
Library has adequate materials to support course?	Yes
Additional Comments/Information	

Attached Files
Prerequisite Worksheet (Photo 30, 31, 33)

Prerequisite / Corequisite Checklist and Worksheet

Photography 43: Portfolio Development

Prerequisite: Photo 31: Lighting for People 1 and **Photo 33**: Techniques of Lighting: Product

SECTION 1 - CONTENT REVIEW: If any criterion is not met, the prerequisite will be disallowed.

Criterion	Met	Not Met
1. Faculty with appropriate expertise have been involved in the determination of the prerequisite, corequisite or advisory.	X	
2. The department in which the course is (will be) taught has considered course objectives in accordance with accreditation standards.	X	
3. Selection of this prerequisite, corequisite or advisory is based on tests, the type and number of examinations, and grading criteria.	X	
4. Selection of this prerequisite, corequisite or advisory is based on a detailed course syllabus and outline of record, related instructional materials and course format.	X	
5. The body of knowledge and/or skills which are necessary for success before and/or concurrent with enrollment have been specified in writing.	X	
6. The course materials presented in this prerequisite or corequisite have been reviewed and determined to teach knowledge or skills needed for success in the course requiring this prerequisite.	X	
7. The body of knowledge and/or skills necessary for success in the course have been matched with the knowledge and skills developed by the prerequisite, corequisite or advisory.	X	
8. The body of knowledge and/or skills taught in the prerequisite are not an instructional unit of the course requiring the prerequisite.	X	
9. Written documentation that steps 1 to 8 above have been taken is readily available in departmental files.	X	

SECTION II - ADDITIONAL LEVEL OF SCRUTINY:

In addition to the affirmation of content review listed in section I, an additional level of scrutiny is also required. The level of scrutiny depends on which type of prerequisite is involved. There are six types and each is listed below. Please identify which one is being used to justify the proposed prerequisite. The additional level of scrutiny corresponding to each type of prerequisite is identified below.

x Type 2: Sequential within and across disciplines (e.g., Physics 7, 8, 9, …)

Complete the Prerequisite Worksheet

Type 5: Health and Safety

Students who lack the prerequisite might endanger themselves, other students or staff. Explain:

X Students in Photo 43 essentially have access to any of the school's equipment that is available for check out. Students are trained on that equipment a little bit at a time beginning in **Photo 30**, then **Photo 31** and **Photo 33** (both of which have Photo 30 as a prerequisite). It's imperative that they complete those courses and receive the proper technical/safety training on expensive, college-owned studio equipment prior to having privileged access that is afforded the students in Photo 43 for the purposes of building their portfolios. Without these prerequisites in place, a student who has never taken a photo class at SMC could check out $20,000 worth of equipment without ever receiving the proper training.

modified 09/26/2012

Prerequisite Worksheet

ENTRANCE SKILLS FOR **Photo 43**

(What the student needs to be able to do or understand BEFORE entering the course in order to be successful)

A)	Demonstrate skills in lighting technique for individuals and groups, both in the studio and on location.
B)	Demonstrate the proper handling of high powered studio equipment while safely utilizing college-owned studio strobes outdoors.
C)	Ability to safely use college-owned, costly medium format digital camera back systems.
D)	Ability to perform professional methods of digital workflow using latest capture software and camera hardware.

EXIT SKILLS FOR **Photo 30, 31, and 33**

(What the student has the demonstrated ability to do or understand AFTER successful completion of this course)

1.	Demonstrate the ability to safely utilize high powered, studio strobes outdoors.
2.	Students will demonstrate the ability to safely use college-owned, professional level medium format digital camera backs
3.	Students will demonstrate the ability to effectively utilize professional standards for a digital workflow using current image capture software

	ENTRANCE SKILLS FOR (Photo 43)								
EXIT SKILLS FOR (Photo 30, 31, 33)		A	B	C	D	E	F	G	H
	1	x	x						
	2			x					
	3				x				
	4								
	5								
	6								
	7								
	8								

modified 09/26/2012

Santa Monica College

Course Outline For
CHEMISTRY 9, Everyday Chemistry

Course Title: Everyday Chemistry			Units: 5
Total Instructional Hours (usually 18 per unit):	126		
Hours per week (full semester equivalent) in Lecture:	5	In-Class Lab: 2	Arranged: 0

Date Submitted:	May 2011
Date Updated:	February 2014
Transferability:	Transfers to UC Transfers to CSU
IGETC Area:	• IGETC Area 5: Physical and Biological Sciences (mark all that apply) o 5A: Physical Science o 5C: Physical or Biological Science LABORATORY
CSU GE Area:	• CSU GE Area B: Scientific Inquiry and Quantitative Reasoning (mark all that apply) o B1 - Physical Science o B3 - Laboratory Sciences
SMC GE Area:	• GENERAL EDUCATION PATTERN (SMC GE) o Area I: Natural Science
Degree Applicability:	Credit - Degree Applicable
Prerequisite(s):	None
Pre/Corequisite(s):	None
Corequisite(s):	None
Skills Advisory(s):	eligibility for Math 31

I. Catalog Description

This course fulfills the general education requirements for a laboratory science course. Students who successfully complete this course will understand basic chemical principles and how these principles relate to the Earth's natural systems and cycles, with emphasis on humanity's impact on Earth's natural environments. Students will gain a scientific understanding of the impact of human activity on natural systems and sustainability. Students will also learn common laboratory techniques, including the safe handling of chemicals and the proper use of laboratory equipment, as they analyze environmental problems and solutions. Course Note: This course does not fulfill the prerequisite for Chemistry 11.

II. Examples of Appropriate Text or Other Required Reading: (include all publication dates; for transferable courses at least one text should have been published within the last five years)

1. Chemistry in Context, 7th, American Chemical Society, McGraw Hill © 2012, ISBN: 0077692454
2. Chemistry 9 Online Laboratory Manual developed by the faculty of SMC.

III. Course Objectives

Upon completion of this course, the student will be able to:

Lecture

1. Explain the Scientific Method and apply it to current scientific issues that pertain to the global human environment.
2. Employ significant figures in measurements and in calculations involving scenarios from environmental issues.
3. Use the metric system and SI units when solving unit conversion word problems related to environmental issues.
4. Describe the periodic trends of elements using the Periodic Table to build an understanding of how matter exists and changes on Earth.
5. Compare and contrast various intermolecular forces as they pertain to the behavior of matter and use these concepts to explain how these factors enable and influence human life.
6. Convert formulas and names, using the Stock and Classical systems, for common acids, bases, salts, and binary covalent compounds used in the sustainability of life on Earth.
7. Write and balance chemical equations and classify chemical reactions, including reactions that occur both naturally and via human intervention.
8. Draw Lewis structures for simple covalent compounds, focusing on molecules that significantly impact the environment.
9. Describe the properties of acids as related to acid rain with analysis of human activity and its impact on Earth and society.
10. Perform basic and limiting reagent stoichiometric calculations involving reactions occurring in aqueous solution, emphasizing reactions related to the water we drink and the concepts of Green Chemistry.
11. Apply knowledge of basic chemistry to identify common household products, industrial polymers, and poisons and relate it to practical application of technologies that analyze environmental problems and solutions.

Lab

1. Make reliable observations and record these observations systematically.
2. Identify and properly use common laboratory equipment and glassware.
3. Demonstrate correct safety protocols and ability to follow lab procedures.

IV. Methods of Presentation:

Lab , Lecture and Discussion

V. Course Content

% of course	Topic
9%	Chemistry for a Sustainable Future and the Ecological Footprint for Citizens of the Earth
5%	Local and Global Air Quality as related to Primary and Secondary Pollutants
5%	Atomic Structure and Matter on Planet Earth
5%	Nuclear Chemistry and its Long-Term Implications for the Planet's Livability
10%	Chemical Bonds, Lewis Structures and Molecular Shapes and their importance in the mechanisms of the Green House Effect and Global Climate Change
8%	Mass and Volume Relationships in Analysis of Environmental Problems such as CO_2 Emissions
8%	Acid and Base Analyses as Related to Earth Natural Systems and Cycles
7%	Oxidation and Reduction Reaction and the Implications to Economies
7%	Organic Chemistry and it's Manipulation towards a Sustainable Earth
5%	Polymers and the Long Term Effect on the Planet
5%	Energy as Related to Natural Cycles and Sustainable Systems
9%	Biochemistry and Genetic Engineering
5%	Food and a Sustainable Ecosystem
5%	Household Chemicals and Surrounding Ecosystem
3%	Fitness and Health and Genetic Engineering
4%	Drugs and Poisons in the Environment
100%	Total

Vb. Lab Content:

% of course	Topic
8%	Measurements in the Laboratory
8%	Paper Chromatography and Mixtures Lab
8%	Properties of Oxygen Gas Lab

8%	Detection and Absorption of Ultraviolet Light Lab
8%	Flame Tests and Atomic Spectra Lab
8%	Lewis Structures and Molecular Shapes Lab
8%	Electrical Conductivity of Aqueous Solutions Lab
8%	Acids, Bases and pH Lab
4%	Single Replacement Reactions and Batteries Lab
4%	Double Replacement Reactions Lab
4%	Synthetic Polymers and Plastics Lab
4%	Making Soap - Saponification Lab
4%	Energy Efficiency from Various Fuels Lab
4%	Geiger Counter Lab
4%	Titration Lab
4%	Kitchen Chemistry Lab
4%	Poisons and Drug Lab
100%	Total

VI. Methods of Evaluation: (Actual point distribution will vary from instructor to instructor but approximate values are shown.)

Percentage	Evaluation Method
50 %	Exams/Tests - 2-4 exams per semester
5 %	Homework
20 %	Lab Reports - 12-14 per semester
25 %	Final exam
100 %	Total

VII. Sample Assignments:

Assignment #1: Homework

In this course students are asked to write essays on how chemistry impacts Earth's natural environment. One essay prompt is as follows:

Write a 200 word essay describing your ecological footprint and its effect on a

sustainable life.

Assignment #2: Lab Work

After completing an experiment in which students determine the pH of various substances, students are asked to answer questions such as the following:

1. Explain why rain is naturally acidic, but not all rain is classified as “acid rain.”
2. Here are examples of what an individual might do to reduce acid rain. For each, explain the connection to producing acid rain.
   a. hang your laundry to dry it
   b. walk, bike or take public transportation to work and/or school

VIII. Student Learning Outcomes

1. When given a current event scenario about global warming, students will be able to analyze and discuss the data and potential solutions, using acid/base calculations and appropriate chemical formulas.
2. Students will be able to write an analysis about some of the current drugs and poisons readily available in society.

Santa Monica College
Update (NON-Substantial Changes)
Expanded Course Outline for CHEM 9 - Everyday Chemistry

Global Citizenship Application	
Global Citizenship Category	Ecological Literacy
Global Citizenship Sub-Categories	Scientific understanding of Earth's natural systems and cycles, emphasizing humanity's role as the planet's ecologically dominant species and how that affects the continuing viability of habitats for life on Earth. Analysis of human activity and its impact on Earth's natural environments, both local and global, and the shorter-and longer-term implications for the planet's livability and sustainability.
Citizenship Rationale	This course introduces the nonscience student to the substances that make up our planet, examining both naturally-occurring chemical processes and those initiated by humans, and analyzes their ecological impacts. This course enables students to appreciate the importance of chemistry and chemical principles in understanding and developing solutions to environmental challenges.
Attached Files	
No Files attached	

SANTA MONICA COLLEGE
PROGRAM OF STUDY

Energy Efficiency Specialist
Department Certificate

The Energy Efficiency Specialist Department Certificiate is designed to provide formal training for individuals who seek entry into the Energy Services field. Students will learn to conduct energy audits in residential buildings; establish energy efficiency benchmarks for commercial buildings and data center physical infrastructures; and help utilize resources more efficiently by reducing lighting, and lowering heating and cooling energy consumption in building systems and processes.

Students will learn to provide analyses and recommendations that will help suggest alternative energy sources, as well as unconventional lighting, cooling, space heating, and resource management procedures.

This Department Certificate involves satisfactory completion of the semester units of the area of emphasis (articulated below). At least 50% of the area of emphasis units must be completed at Santa Monica College. Each course in the area of emphasis must be completed with a grade of C or higher. Additional information for the Certificate is available at the Transfer/Counseling Center and online at www.smc.edu/articulation.

Catalog rights dictate that a student may satisfy the requirements of a degree or certificate by completing the general education and area of emphasis requirements in effect at any time of the student's continuous enrollment. Continuous enrollment is defined as enrollment in consecutive Fall and Spring semesters until completion.

Area of Emphasis

Core Courses		**Units**
ENERGY 1	Introduction to Energy Efficiency	3
ENERGY 2	Energy Efficiency 2: Residential Building Science	3
ENERGY 3	Commercial Building Science	4
PV 1	Introduction To Solar Energy Systems	3

Total Units for Area of Emphasis: 13

PID 188

Kinesiology
Associate in Science for Transfer (AS-T)

The Associate in Science in Kinesiology for Transfer (AS-T) involves the study of human development, anatomy, physiology, mechanics, and motor learning. Within each subdiscipline, students study stressors—both positive and negative—that govern human performance. In addition, discussions focus on exercise, nutrition, and techniques used to achieve health and wellness. These majors develop and integrate the concepts and principles from each subdiscipline to understand the complexity of the human body.

Upon completion of the Associate in Science in Kinesiology for Transfer (AS-T), students will have a strong academic foundation in the field and be prepared for upper division baccalaureate study. Completion of the degree indicates that the student will have satisfied the lower division requirements for transfer into kinesiology or similar major for many campuses in the California State University system.

Area of Emphasis

Required Core (11 units):		**Units**
ANATMY 1	Human Anatomy	4
PHYS 3	Human Physiology	4
PRO CR 10	Introduction To Kinesiology	3

Movement Based Courses: Select one (1) course from three (3) different areas (3 units minimum): **Units** 3

Aquatics:

KIN PE 48A, 48B, 48C, 48D, 49A, 49C, 49D, 50A, 50C, 51A, 51B,
VAR PE 48V, 48W, 50V, 50W

Combatives:

KIN PE 34A, 41W

Dance:

DANCE 14-63

Fitness:

KIN PE 2, 10, 11A, 11B, 11C, 11N, 13, 17, 19A, 19B, 19C, 19D, 19E, 58A, 58B, 58C,
VAR PE 60

Individual Sports:

KIN PE 14 15A, 16A, 16B, 25A, 25B, 25C, 37A, 37B, 53A, 53B, 54A, 54B, 54C, 54D, 56A,
VAR PE 14V, 14W, 54W, 56V, 56W

Team Sports:

KIN PE 7C, 9A, 9B, 9C, 9W, 21, 21C, 43A, 43C, 45A, 45C, 46, 57A, 57B, 57C, 59A, 59B, 59C,
VAR PE 9V, 9W, 20V, 21V, 43V, 43W, 45W, 57V, 57W

Support Courses: Select two (2) courses from the following (6 units minimum)		**Units**
BIOL 2	Human Biology	3
CHEM 10	Introductory General Chemistry **or**	5
CHEM 11	General Chemistry I	5
MATH 54	Elementary Statistics	4
PHYSCS 6	General Physics **or**	4
PHYSCS 8	General Physics 1 With Calculus	4
PRO CR 12	Emergency Care And Water Safety	3

Total Units for Area of Emphasis: 20

Proposal to add verbiage making explicit our current practice of limiting any one single assignment to no more than 30% of a student's grade.

Currently found in our Distance Education Application in "Assessment Best Practices":

> Assessments of various forms are conducted regularly, preferably on a weekly basis. The instructor updates grades in a timely manner. Assessments designed for this course utilize methodologies appropriate for online modality. The bulk of the grade for the course is based on students' ongoing assignments: essays, tests, discussions, group and individual projects. As per current Curriculum guidelines, no singular assessment should be worth more than 30% of the course grade.

Proposed for CurricUNET window and (forthcoming) "Best Practices in Course Outlines of Record":

> Please list the approximate value of each type of assignment category. No single assignment should carry more weight than 30% of a student's course grade. If any one category is more than 30%, please use the box to specify the number (or range) of single assignments that make up that category. (For example: Exams: 50%, 2-3 Exams.) While the Course Outline of Record does allow for some individual instructor flexibility in the weight of particular assessments, the maximum weight of any ONE single assessment should not be more than 30%. The Curriculum Committee will consider exceptions to this on a case-by-case basis (for example, performance or project based courses).