

# CDEV 122 Math and Science for Young Children

**Instructor:** D. Scott Sheppard  
**Class Code:** 20387  
**Academic Term:** Spring 2014  
**Class Time:** Tuesday/ Thursday 10:15-11:20  
**Phone:** (760) 355-6397  
**Room:** 413  
**Office Hours:** **M: 1:30-2:30, T: 5:00-6:00, W: 1:30-2:30, Th.: 5:00-6:00**

**Text:** *Math and Science for Young Children, 7th ed.*  
**Author:** Charlesworth, Rosalind and Lind, Karen

## **Course Description:**

Developing a science curriculum aimed at introducing the young child to physical science, simple chemistry and biological science concepts. Developing a math curriculum introducing number and math concepts. Emphasis is placed on developing an age appropriate science and math curriculum and planning a science environment that is meaningful and exciting for the young child. (Formerly CFCS 122) (CSU)

## **Course Objectives and Minimum Standards for a Grade of "C":**

Objectives:

Upon satisfactory completion of the course student will be able to:

1. Develop a science curriculum introducing young children to physical and simple chemistry, and biological science concepts.
2. Create and demonstrate science and math activities.
3. Develop a math curriculum introducing number and math concepts that are developmentally appropriate for young children.
4. Develop math and science areas in a preschool setting.

## **Student Learning Outcomes:**

Upon satisfactory completion of the course student will be able to:

1. Identify and create, critique, and refute oral and written arguments
2. Identify and create developmentally appropriate science and math curriculum
3. Demonstrate knowledge on child centered math science areas.

## **Methods of Evaluation:**

Grades will be based upon class participation, attendance and completion of assignments, pop quizzes, quizzes, and tests throughout the semester. All material presented in the text, study guide, videos, and handouts will be part of the evaluation process.

All assignments should be typed or written legibly in blue or black ink.

No assignments or projects will be accepted late. They are due on the date assigned. Every student has the same chance to prepare for quizzes and tests. If you miss a quiz and have extra time to study, it is unfair to those students who took the quiz on time. In order to make up a test, quiz or assignment you must show proof for the absence (doctor's note, hospitalization paperwork, etc.) and it must be approved by the instructor. Regardless of the reason for a missed quiz, all missed quizzes and tests must be made up within a week of when your class took that quiz. Make-ups are at my office during my office hours.

Please make sure you are here when tests are scheduled. If you are not here for a scheduled test, you will receive no points for the test. A missed assignment or test is considered an "F" and no points will be given. Plan your schedule to allow for ample study time so you will be prepared. There is no penalty for taking a quiz or test *before* the scheduled time.

### **Grading Policy**

"When grades are given for any course of instruction taught in a community college district, the grade given to each student shall be the grade determined by the faculty member of the course, and the determination of the student's grade by the instructor, in the absence of mistake, fraud, bad faith or incompetency, shall be final." *California Education Code, Section 76224(a)*

Everyone in each class can earn an "A" grade. There is no set number or percentage that limits how many A's can be earned in each class.

All assignments have a rubric by which the student can view what is required to receive the highest grade on that assignment.

### **Disabled Student Programs and Services (DSP&S)**

Any student with a documented disability who may need educational accommodations should notify the instructor or the Disabled Student Programs and Services (DSP&S) office as soon as possible.

DSP&S Room 2117 Health Sciences Building (760) 355-6312

### **Attendance & Class Policies:**

Regular attendance in all classes is expected of all students enrolled. Instructors are expected to take a student's attendance record into account in computing grades. A student may be excluded from further attendance in a class during a semester when absences after the close of registration have exceeded the number of class hours which the class meets per week.

An instructor will drop any student judged to be a disturbing element in class or lab.

Beepers and cellular phones should be turned off while class is in session.

It is the student's responsibility to complete a drop request if they are withdrawing from the class.

It is also the student's responsibility to make an appointment with the instructor if they have concerns about their progress in the course.

You should be prepared when you come to class to be an active participant in the learning process. Learning doesn't occur in a vacuum, it occurs through interaction with others.

Cheating and plagiarism (using someone else's ideas or writing without acknowledgement or permission, or passing off someone else's work as your own) can result in any one of a variety of sanctions and will receive a zero on the assignment or test.

The instructor has the right to ask any student to leave who is disrupting the education of others.

The use of cellular telephones, smart phones, beepers, alarm watches, etc. is not permitted in class. Please be sure to turn off such devices upon arriving to class. Please contact the instructor about any special circumstances that might make it difficult for you to comply with this rule.

No food or drink is allowed in any classroom

**Schedule: CDEV 122 / Spring 2014**

Week		Due
Week 1 1/22	intro	
Week 2 1/27-1/29	Unit 1 & 2	
Week 3 2/3-2/5	Unit 3 and 4	Conservation 2/5
Week 4 2/10-2/12	Units 5,6,7	Quiz 2/12
Week 5 2/17 : off 2/19	Unit 8	
Week 6 2/24-2/26	Units 9,10 & 11	Concept/math 2/26
Week 7 3/3-3/5	Units 12 & 13	
Week 8 3/10-3/12	Unit 14 & 15	Quiz 3/12
Week 9 3/17-3/19	Unit 16/17/18	
Week 10 3/24-3/26	Units 19,20	Cooking activity 3/26
Week 11 3/31-4/2	Unit 21/22	
Week 12 4/7 -4/9	Unit 23/24	Quiz 4/9
Week 13 4/14-4/16	Units 39,	Begin IC presentations
4/21-4/23	Spring break	
Week 14 4/28-4/30	Unit 40,	
Week 15 5/5-5/7	Unit 41	
Week 16 5/12		Final Exam

**Assignments:**

3 Quizzes at 25pts =	5 pts
Conservation experiment	10 pts
*Concept/Math activity =	20 pts
Team project/ presentation=	20 pts
Cooking activity/ presentation =	30 pts
*Integrated curriculum / presentation =	50 pts
Child center visit/Area Plan	25 pts
Final =	30 pts
<b>Total pts =260</b>	

**\* For CDEV 200 Portfolio: Assignment meets PLO's 2,5 and 7**

A=90%-100%

B=80%-89%

C=70%-79%

D=60%-69%

F= 59% and below