

Basic Course Information

Semester:	Fall 2016	Instructor Name:	Cecile Richmond
Course Title & #:	Science and Math for Young Children CDEV 122	Email:	Cecile.richmond@imperial.edu
CRN #:	11123	Webpage (optional):	
Classroom:	202	Office #:	n/a
Class Dates:	8/16/16 to 12/06/16	Office Hours:	n/a
Class Days:	Tuesday	Office Phone #:	n/a
Class Times:	6:00pm to 8:15 pm	Emergency Contact:	760-235-5441 Cell #
Units:	2		

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. (CSU)

Student Learning Outcomes

Upon course completion, the successful student will have acquired new skills, knowledge, and or attitudes as demonstrated by being able to:

1. Investigate and critique developmentally appropriate science and math curriculum. (ILO1, ILO2, ILO4)
2. Demonstrate knowledge of and create child centered math and sciences areas. (ILO2, ILO4)
3. Create math and science activities that are child centered and developmentally appropriate. (ILO2, ILO4)

Course Objectives

Upon satisfactory completion of the course, students 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.

Textbooks & Other Resource Charlesworth, Rosalind and Lind, Karen s or Links

Math and Science for Young Children 7th. Charlesworth, Rosalind and Lind, Karen. *California Preschool Curriculum Frameworks Volumes 1 and 3.*

Course Requirements and Instructional Methods

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 to be determined upon scheduling. 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.

Out of Class Assignments: The Department of Education policy states that one (1) credit hour is the amount of student work that reasonably approximates not less than one hour of class time and two (2) hours of out-of-class time per week over the span of a semester. WASC has adopted a similar requirement.

Course Grading Based on Course Objectives

"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.

Attendance

- A student who fails to attend the first meeting of a class or does not complete the first mandatory activity of an online class will be dropped by the instructor as of the first official meeting of that class.

Should readmission be desired, the student's status will be the same as that of any other student who desires to add a class. It is the student's responsibility to drop or officially withdraw from the class. See [General Catalog](#) for details.

- Regular attendance in all classes is expected of all students. A student whose continuous, unexcused absences exceed the number of hours the class is scheduled to meet per week may be dropped. For online courses, students who fail to complete required activities for two consecutive weeks may be considered to have excessive absences and may be dropped.
- Absences attributed to the representation of the college at officially approved events (conferences, contests, and field trips) will be counted as 'excused' absences.

Classroom Etiquette

- Electronic Devices: Cell phones and electronic devices must be turned off and put away during class, unless otherwise directed by the instructor.
- Food and Drink are prohibited in all classrooms. Water bottles with lids/caps are the only exception. Additional restrictions will apply in labs. Please comply as directed by the instructor.
- Disruptive Students: Students who disrupt or interfere with a class may be sent out of the room and told to meet with the Campus Disciplinary Officer before returning to continue with coursework. Disciplinary procedures will be followed as outlined in the [General Catalog](#).
- Children in the classroom: Due to college rules and state laws, no one who is not enrolled in the class may attend, including children.

Online Netiquette

- What is netiquette? Netiquette is internet manners, online etiquette, and digital etiquette all rolled into one word. Basically, netiquette is a set of rules for behaving properly online.
- Students are to comply with the following rules of netiquette: (1) identify yourself, (2) include a subject line, (3) avoid sarcasm, (4) respect others' opinions and privacy, (5) acknowledge and return messages promptly, (6) copy with caution, (7) do not spam or junk mail, (8) be concise, (9) use appropriate language, (10) use appropriate emoticons (emotional icons) to help convey meaning, and (11) use appropriate intensifiers to help convey meaning [do not use ALL CAPS or multiple exclamation marks (!!!!)].

Academic Honesty

Academic honesty in the advancement of knowledge requires that all students and instructors respect the integrity of one another's work and recognize the important of acknowledging and safeguarding intellectual property.

There are many different forms of academic dishonesty. The following kinds of honesty violations and their definitions are not meant to be exhaustive. Rather, they are intended to serve as examples of unacceptable academic conduct.

- Plagiarism is taking and presenting as one's own the writings or ideas of others, without citing the source. You should understand the concept of plagiarism and keep it in mind when taking exams and preparing written materials. If you do not understand how to "cite a source" correctly, you must ask for help.

- **Cheating** is defined as fraud, deceit, or dishonesty in an academic assignment, or using or attempting to use materials, or assisting others in using materials that are prohibited or inappropriate in the context of the academic assignment in question.

Anyone caught cheating or plagiarizing will receive a zero (0) on the exam or assignment, and the instructor may report the incident to the Campus Disciplinary Officer, who may place related documentation in a file. Repeated acts of cheating may result in an F in the course and/or disciplinary action. Please refer to the [General Catalog](#) for more information on academic dishonesty or other misconduct. Acts of cheating include, but are not limited to, the following: (a) plagiarism; (b) copying or attempting to copy from others during an examination or on an assignment; (c) communicating test information with another person during an examination; (d) allowing others to do an assignment or portion of an assignment; (e) using a commercial term paper service.

Additional Student Services

Imperial Valley College offers various services in support of student success. The following are some of the services available for students. Please speak to your instructor about additional services which may be available.

- **Blackboard Support Site.** The Blackboard Support Site provides a variety of support channels available to students 24 hours per day.
- **Learning Services.** There are several learning labs on campus to assist students through the use of computers and tutors. Please consult your [Campus Map](#) for the [Math Lab](#); [Reading, Writing & Language Labs](#); and the [Study Skills Center](#).
- **Library Services.** There is more to our library than just books. You have access to tutors in the [Study Skills Center](#), study rooms for small groups, and online access to a wealth of resources.

Disabled Student Programs and Services (DSPS)

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. The DSP&S office is located in Building 2100, telephone 760-355-6313. Please contact them if you feel you need to be evaluated for educational accommodations.

Student Counseling and Health Services

Students have counseling and health services available, provided by the pre-paid Student Health Fee.

- **Student Health Center.** A Student Health Nurse is available on campus. In addition, Pioneers Memorial Healthcare District provide basic health services for students, such as first aid and care for minor illnesses. Contact the IVC [Student Health Center](#) at 760-355-6128 in Room 1536 for more information.
- **Mental Health Counseling Services.** Short-term individual, couples, family, and group therapy are provided to currently enrolled students. Contact the IVC [Mental Health Counseling Services](#) at 760-355-6196 in Room 2109 for more information.

Student Rights and Responsibilities

Students have the right to experience a positive learning environment and to due process of law. For more information regarding student rights and responsibilities, please refer to the IVC [General Catalog](#).

Information Literacy

Imperial Valley College is dedicated to helping students skillfully discover, evaluate, and use information from all sources. The IVC [Library Department](#) provides numerous [Information Literacy Tutorials](#) to assist students in this endeavor.

Anticipated Class Schedule/Calendar

Schedule fall 2016

Date or Week	Activity, Assignment, and/or Topic	Pages/ Due Dates/Tests
<u>Week 1</u> <u>8/16</u>	Syllabus & Introduction to class Immunization discussion Learning Expectations	DISCUSSION/BELIEFS/LEARNING GOALS
<u>Week 2</u> <u>8/23</u>	Read text unit 1&2 Review of SLOs and Portfolio requirement Study groups for quiz Handout on conservation	DISCUSSION Review quiz material
<u>Week 3</u> <u>8/30</u>	Read text unit 3 Quiz on units 2 and 3 Discussion on conservation Hands on Activity	QUIZ#1 ON Units. 1&2
<u>Week 4</u> <u>9/6</u>	Read text unit 4 "Assessing the Childs Developmental level" Discussion topics: Conservation experiment, Team project, Observations and Assessments. Guest Speaker	CONSERVATION EXPERIMENT Due
<u>Week 5</u> <u>9/13</u>	Read text units- 5,6,7 The basics of Science Discussion Topics: Emergent Curriculum Planning, Lesson plans. Team project group work.	WORK ON TEAM PROJECT
<u>Week 6</u> <u>9/20</u>	Read text units- 8,9 Number sense and counting Team project presentations Handout study Guide for quiz. Info on hands on activity for next week.	TEAM PROJECT PRESENTATION
<u>Week 7</u> <u>9/27</u>	Read text units- 10,11 Logic, Classifying and Comparing Quiz#2 Hands on Activity	QUIZ #2

Date or Week	Activity, Assignment, and/or Topic	Pages/ Due Dates/Tests
<u>Week 8</u> <u>10/4</u>	Read text units- 12,13 Discussion on Early Geometry Flannel Board Activity presentations Review Lesson planning for cooking activity	FLANNEL BOARD ACTIVITY
<u>Week 9</u> <u>10/11</u>	Read text units- 14,15 Parts and wholes, Language and Concept formation Cooking Activity Presentations Discussion on Integrated Curriculum Demonstration on activity integration.	COOKING ACTIVITY due
<u>Week 10</u> <u>10/18</u>	Read text units- 16 Fundamental Concepts in Science Math Concept activity due Continue Discussion on Integrated Curriculum Study Group for Quiz	MATH CONCEPT ACTIVITY
<u>Week 11</u> <u>10/25</u>	Read text units- 17,18,19 Quiz #3 Hands on Activity	QUIZ#3
<u>Week 12</u> <u>11/1</u>	Read text units- 20,21 Integrated curriculum presentations	START IC PRESENTATIONS
<u>Week 13</u> <u>11/8</u>	Read text units-22,23,24 Continue Integrated curriculum Presentations	IC PRESENTATIONS
<u>Week 14</u> <u>11/15</u>	Read text units- 39,40,41 Finish Integrated curriculum Presentations Discussion on child center area plan Final Discussion on Math and Science Environment.	FINISH IC PRESENTATIONS
<u>Week 15</u> <u>11/22</u>	NO CLASS THANKSGIVING BREAK	NO CLASS
<u>Week 16</u> <u>11/29</u>	REVIEW The math and Science Environment	WORK ON CHILD CENTER AREA PLAN W/ INTERGATED WEB
<u>Week 17</u> <u>12/6</u>	FINAL	CHILD CENTER AREA PLAN AND INTERGRATED WEB DUE

*****Tentative, subject to change without prior notice*****

Assignments:

3 Quizzes at 25pts =	75 pts
Conservation experiment=	10 pts
Flannel board activity =	10 pts
*Concept/Math activity =	20 pts
Team project/ presentation=	20 pts
Cooking activity/ presentation =	30 pts
*Integrated curriculum / presentation =	50 pts
Final =	55 pts
Child center visit/Area Plan (learning centers) include integrated web of activities	
Total pts =270	

*** 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