

“The only person who is educated is the one who has learned how to learn and change.”

Carl Rogers  
American psychologist, humanist

For certificate programs and contact information, see page 47.

## Apply an

### Extension education certificate toward a specialized M.A. at La Sierra University.

UC Riverside Extension and La Sierra University, Riverside, have created new paths for students to customize a Master's degree in education. Students earning education certificates through Extension can apply credits toward a specialized Master's degree at La Sierra University, or, in some cases, have requirements waived.

Earn an M.A. in Education with certified specializations as follows:

#### M.A. Emphasis & Applicable Certificate Program(s)

##### Administration and Leadership

- Chief Business Officials
- Educational Facilities Planning

Contact: Steven Pawluk,  
(951) 785-2265,  
spawluk@lasierra.edu

##### Curriculum and Instruction

- 14 certificate programs apply

Contact: Anita Oliver  
(951) 785-2203  
aoliver@lasierra.edu

##### School Psychology and Counseling

- Pupil Personnel Services – School Counseling Emphasis

Contact: Chang Ho Ji  
(951) 785-2269  
cji@lasierra.edu

**Getting started:** In order to receive a discount on tuition, students must contact one of the three professors named above to obtain information regarding admission into La Sierra University.



## Accreditation

### Data-Driven Self-Analysis of Student Performance

Examination of ways to assess students performance through multiple means of data analysis that includes student work and student engagement in learning.

*Required for Accreditation: A High School Improvement Process Certificate*

**Marilyn S. George, Ed.D.**, Associate Director, WASC (Western Association of Schools and Colleges)

**Credit:** 2 units

**Date/Time:** Fri. & Sat. 8 a.m.-6:30 p.m., Jun. 26 & 27 (2 meetings)

**Location:** UCR: Extension Center, 1200 University Ave.

**Fee:** \$245 noncredit/\$250 credit. Call Student Services to register for credit.

**Preregistration:** Requested by June 23.

**Education X309.3**

**Reg #091-EDS-S02**

# Advanced Placement

## Foundations of Advanced Placement\*

History, foundations and philosophy of Advanced Placement Programs\*, how Pre-AP\* and AVID programs prepare students to succeed in AP\* courses, and strategies for increasing access and equity for all students.

*Required for Certificate in Teaching Advanced Placement\* Program*

**Sandra Forsythe**, Ed.D., is a College Board-endorsed consultant in AP\* English Language and Building Success.

**Credit:** 2 units

**Date/Time:** Wed. 1-5 p.m., Thurs. 8 a.m.-5 p.m. & Fri. 8 a.m.-5 p.m., Jul. 29, 30 & 31 (3 meetings)

**Location:** UCR: Extension Center, 1200 University Ave.

**Fee:** \$300 noncredit/\$305 credit (includes parking) No other discounts available. Call Student Services to register for credit.

**Education X396.1**

**Reg #091-EDX-X34**

## Content and Methods for Teaching Advanced Placement\* Calculus

Exploration of mathematical content for teaching AP\* Calculus AB. Topics include: differential calculus and derivatives, graphing calculator functions, the AP\* Examinations, and planning and teaching methods for an effective AP\* Calculus class.

**Note:** This class will focus on Calculus AB. Enrollment requested by July 20 to ensure availability of College Board materials by July 30. Bring a graphing calculator and the textbook currently used at your school.

*Elective for Certificate in Teaching Advanced Placement\* Program*

**Catherine Want**, M.A., has taught AP\* Statistics, and is a College Board-endorsed consultant.

**Credit:** 3 units

**Date/Time:** Mon.-Thurs. 8 a.m.-4:30 p.m., Aug. 3-6 (4 meetings)

**Location:** UCR: Extension Center, 1200 University Ave.

**Fee:** \$640 noncredit/\$650 credit (after June 30) \$620 credit/\$610 noncredit (before June 30). Includes parking and materials. No other discounts available. Call Student Services to register for credit.

**Mathematics X435**

**Reg #091-EDX-X35**

## Content and Methods for Teaching Advanced Placement\* Chemistry

Chemistry principles appropriate for introductory college chemistry (AP\* level) are reviewed and discussed. The AP\* Chemistry Examination and how it is scored are discussed through the analysis of past exams and student work.

**Note:** Bring a copy of the text currently used at your school. Enrollment requested by July 20 to ensure availability of College Board materials by August 3.

*Elective for Certificate in Teaching Advanced Placement\* Program*

**Paul Groves**, M.A.T., Teacher, Advanced Placement\* Chemistry

**Credit:** 3 units

**Date/Time:** Mon.-Thurs. 8 a.m.-4:30 p.m., Aug. 3-6 (4 meetings)

**Location:** UCR: Extension Center, 1200 University Ave.

**Fee:** \$660 noncredit/\$670 credit (after June 30); \$640 credit/\$630 noncredit (on or before June 30), includes parking and lab materials. No other discounts available. Call Student Services to register for credit.

**Chemistry X450**

**Reg #091-EDX-X37**

## Content and Methods for Teaching Advanced Placement English Language and Composition for Beginning Instructors

Curriculum content and strategies for teaching AP\* Language and Composition. Topics include: preparing students to take the AP\* Exam, concepts in rhetoric, and analyzing reasoning and expression of ideas in prose passages; expository, analytical and argumentative writing.

**Note:** Enrollment requested by July 20 to ensure availability of College Board materials by August 3.

*Elective for Certificate in Teaching Advanced Placement\* Program*

**Sandra Forsythe**, Ed.D., is a College Board-endorsed consultant in AP\* English Language and Building Success.

**Credit:** 3 units

**Date/Time:** Mon.-Thurs. 8 a.m.-4:30 p.m., Aug. 3-6 (4 meetings)

**Location:** UCR: Extension Center, 1200 University Ave.

**Fee:** \$640 noncredit/\$650 credit (after June 30); \$620 credit/\$610 noncredit (on or before June 30), includes materials and parking. No other discounts available. Call Student Services to register for credit.

**English X410**

**Reg #091-EDX-X38**

## The many opportunities at

### Education Extension

#### Professional Courses, Credentials and Certificates

Education Extension offers both state- and university-approved credential and certificate programs.

#### Inservice Programs

Education Extension presents over 200 specialized credit and/or noncredit training and professional development programs at school sites and early care facilities each year. Extension can provide university credit for district inservice training.

#### Grant-Funded Programs

Education Extension provides special grant programs and activities through the Inland Area Science Project (IASP), and early childhood grants RC-REFLECTIONS and the SBC-CARES and CONNECTIONS Programs (First 5). For information on the early childhood grants, contact Dr. Margi Wild at (951)827-5995.

IASP provides professional development in science content, academic literacy and strategies for teaching science to English learners. For information on IASP,

contact [awebb@ucx.ucr.edu](mailto:awebb@ucx.ucr.edu) or call (951) 827-1653.

#### Youth Programs

Education Extension provides enrichment programs for youth including Expanding Horizons, a two-week summer program for eager learners and one-week summer programs that assist students in science and learning skills. Contact [ejohnson@ucx.ucr.edu](mailto:ejohnson@ucx.ucr.edu).

#### Meeting Requirements of SB 2042 Clear Credential

SB 2042 Clear Credential requires teachers to complete a planned course of study of 45 quarter units to meet state standards. UC Riverside Extension is approved to offer a Clear Credential program that allows teachers to obtain a professional clear credential. For information, contact [atoma@ucx.ucr.edu](mailto:atoma@ucx.ucr.edu) or call (951) 827-1661.

For more information, contact Dr. Sue Teele, Associate Dean and Director of Education Extension, at (951) 827-1663 or [stelee@ucx.ucr.edu](mailto:stelee@ucx.ucr.edu).

\*College Board, AP, Advanced Placement Program, AP Vertical Teams, Pre-AP and the acorn logo are registered trademarks of The College Board. Used with permission.

## Content and Methods for Teaching Advanced Placement \*English Literature and Composition for Beginning Instructors

Methods of teaching literature and composition to Advanced Placement Program\* classes. Examination of content, focus, and assessment of the AP\* Examination and ways to use poetic devices and character analysis to analyze literary texts.

**Note:** Enrollment requested by July 20 to ensure availability of College Board materials by August 3.

*Elective for Certificate in Teaching Advanced Placement\* Program*

**Skip Nicholson, M.A.**, is a College Board-endorsed consultant.

**Credit:** 3 units

**Date/Time:** Mon.-Thurs. 8 a.m.-4:30 p.m., Aug. 3-6 (4 meetings)

**Location:** UCR: Extension Center, 1200 University Ave.  
**Fee:** \$640 noncredit/\$650 credit (after June 30); \$620 credit/\$610 noncredit (on or before June 30), includes materials and parking. No other discounts available. Call Student Services to register for credit.

**English X410.5**

**Reg #091-EDX-X40**

## Content and Methods for Teaching Advanced Placement\* Micro and Macroeconomics

Curriculum content, strategies and techniques for teaching Advanced Placement\* Program\* Micro and Macroeconomics including methods to improve student's performance on the AP\* Exam and ways to develop or update a course syllabus.

**Note:** Bring a copy of the text currently used at your school. Enrollment requested by July 20 to ensure availability of College Board materials by August 3.

*Elective for Certificate in Teaching Advanced Placement\* Program*

**George Davis, M.Ed.**, endorsed consultant for Economics in College Board's Southeastern Region

**Credit:** 3 units

**Date/Time:** Mon.-Thurs. 8 a.m.-4:30 p.m., Aug. 3-6 (4 meetings)

**Location:** UCR: Extension Center, 1200 University Ave.  
**Fee:** \$640 noncredit/\$650 credit (after June 30); \$620 credit/\$610 noncredit (on or before June 30), includes parking and materials. No other discounts available. Call Student Services to register for credit.

**Economics X475.1**

**Reg #091-EDX-X50**

## Content and Methods for Teaching Advanced Placement\* Spanish Literature

Golden Age and nineteenth- and twentieth-century works from AP\* Spanish Literature list are discussed with appropriate strategies for use in the classroom. Examination and scoring of student essays from the AP\* Spanish Literature test.

**Note:** Please bring a copy of the text currently used at your school. Registration requested by July 20 to ensure availability of College Board materials by August 3.

\*College Board, AP, Advanced Placement Program, AP Vertical Teams, Pre-AP and the acorn logo are registered trademarks of The College Board. Used with permission.

*Elective for Certificate in Teaching Advanced Placement\* Program*

**Ramon Lopez, B. A.**, Teacher, Spanish Literature, El Monte Unified School District; and College Board-endorsed consultant

**Credit:** 3 units

**Date/Time:** Mon.-Thurs. 8 a.m.-4:30 p.m., Aug. 3-6 (4 meetings)

**Location:** UCR: Extension Center, 1200 University Ave.  
**Fee:** \$640 noncredit/\$650 credit (after June 30); \$620 credit/\$610 noncredit (on or before June 30), includes materials and parking. No other discounts available. Call Student Services to register for credit.

**Spanish X412.3**

**Reg #091-EDX-X44**

## Content and Methods for Teaching Advanced Placement\* U.S. History

Methods for teaching AP\* U.S. History through both a chronological and thematic approach from colonial America to the present. Instructional practices, integration of technology, grading rubrics and methods for building an AP\* program are presented.

**Note:** Enrollment requested by July 20 to ensure availability of College Board materials by August 3.

*Elective for Certificate in Teaching Advanced Placement\* Program*

**Matthew J. Ellington, B.A.**, Teacher, Advanced Placement U.S. History, Chino Valley Unified School District; and College Board-approved consultant

**Credit:** 3 units

**Date/Time:** Mon.-Thurs. 8 a.m.-4:30 p.m., Aug. 3-6 (4 meetings)

**Location:** UCR: Extension Center, 1200 University Ave.  
**Fee:** \$640 noncredit/\$650 credit (after June 30); \$620 credit/\$610 noncredit (on or before June 30), includes materials and parking. No other discounts available. Call Student Services to register for credit.

**History X475.5**

**Reg #091-EDX-X45**

## Content and Methods for Teaching Advanced Placement\* World History

Content and methods for teaching AP\* World History. Discussion includes appropriate instructional practices and methods for integrating technology into the curriculum, grading rubrics and methods for building a successful Advanced Placement\* Program.

**Note:** Please bring a copy of the text currently used at your school. Enrollment requested by July 20 in order to have College Board materials available by August 3.

*Elective for Certificate in Teaching Advanced Placement\* Program*

**Anton Striegl, B.S.**, is a College Board-endorsed consultant and has taught Advanced Placement\* U.S. History and European History.

**Credit:** 3 units

**Date/Time:** Mon.-Thurs. 8 a.m.-4:30 p.m., Aug. 3-6 (4 meetings)

**Location:** UCR: Extension Center, 1200 University Ave.  
**Fee:** \$640 noncredit/\$650 credit (after June 30); \$620 credit/\$610 noncredit (on or before June 30), includes parking and materials. No other discounts available. Call Student Services to register for credit.

**History X475.7**

**Reg #091-EDX-X47**

## Pre-AP\* for English (formerly Vertical Teaming – Building Success for English)

Strategies for preparing students for college preparatory and Advanced Placement\* courses in English, approaches that support an understanding of English literature and language and techniques that encourage asking questions, drawing inferences and critical analysis/ assessment.

**Note:** Bring any core works or texts used in your class. Enrollment requested by July 20 in order to have College Board materials available by August 3.

*Elective for Certificate in Teaching Advanced Placement\* Program*

**Barbra Brooks-Barker, B.A.**, is one of the authors of the Vertical Teams Guide for English and is a national consultant for The College Board.

**Credit:** 3 units

**Date/Time:** Mon.-Thurs. 8 a.m.-4:30 p.m., Aug. 3-6 (4 meetings)

**Location:** UCR: Extension Center, 1200 University Ave.  
**Fee:** \$640 credit/\$650 noncredit (after June 30); \$620 credit/\$610 noncredit (on or before June 30), includes parking and materials. No other discounts available. Call Student Services to register for credit.

**Education X396.6**

**Reg #091-EDX-X49**

## Pre-AP\* for Math (formerly Vertical Teaming – Building Success for Math)

Topics related to creating teams, developing and implementing strategies for strengthening mathematics programs in K-12 levels, increasing student participation in higher-level mathematics and enhancing classroom instruction including precalculus curriculum and innovations in curriculum and technology.

*Elective for Certificate in Teaching Advanced Placement\* Program*

**Instructor to be announced**

**Credit:** 3 units

**Date/Time:** Mon.-Thurs. 8 a.m.-4:30 p.m., Aug. 3-6 (4 meetings)

**Location:** UCR: Extension Center, 1200 University Ave.  
**Fee:** \$640 noncredit/\$650 credit (after June 30); \$620 credit/\$610 noncredit (on or before June 30), includes parking and materials. No other discounts available. Call Student Services to register for credit.

**Education X396.7**

**Reg #091-EDX-X48**

**ONLINE**

## Advanced Placement\* Academic Content Seminar

In-depth discussion and field experiences relating to specific academic subject matter with content experts and exemplary Advanced Placement\* Program teachers who present current research or information on the specific content areas. Includes developing a portfolio.

**Prerequisite:** EDUC X396.1, Foundations of Advanced Placement\*, and one content area course or its equivalent.

Required for Certificate in Teaching Advanced Placement\* Program

**Jeanette Shuey Baugh, J.D.**, teaches English Literature and Composition.

**Credit:** 3 units

**Date/Time:** Aug. 21-Sept. 25

**Location:** Online

**Fee:** \$520 noncredit/\$525 credit. Call Student Services to register for credit.

**Preregistration:** Requested by August 14.

**Education X396.4**

**Reg #091-EDX-X32**

## Chief Business Officials

### Overview of California School Business Services

#### (formerly California Public Schools Finance System Overview for School Business Officials)

Overview of the history, concepts and legal aspects of financing public schools, including educational finance, the role of the chief business official and the organization of a school district's business division.

*Required for Chief Business Officials Certificate*

**Michael Fine, B.S.**, Deputy Superintendent, Business Services and Governmental Relations, Riverside Unified School District

**Credit:** 1 unit

**Date/Time:** Sat. 8 a.m.-6:30 p.m., Jul. 11 (1 meeting)

**Location:** UCR: Extension Center, 1200 University Ave.

**Fee:** \$160 noncredit/\$165 credit (includes materials and parking). Call Student Services to register for credit.

**Preregistration:** Requested by July 8.

**Education X372.1**

**Reg #091-EDS-S03**

### School Law for Chief Business Officials

A practical focus on legal issues encountered in daily operations of CBO's in public schools. Topics include school safety, the Brown Act, Public Records Act, authority to expend funds, general fund encroachment, lobbying, legislative process and charter schools.

*Required for Chief Business Officials Certificate*

**Karla Rhay, M.S.**, Chief Administrative Officer for San Bernardino County Superintendent of Schools.

**Credit:** 1.5 units

**Date/Time:** Mon. 8:30 a.m.-6 p.m. & Wed.

8:30 a.m.-2:30 p.m., Jul. 13 & 15 (2 meetings)

**Location:** UCR: Extension Center, 1200 University Ave.

**Fee:** \$215 noncredit/\$220 credit, (includes materials and parking). Call Student Services to register for credit.

**Preregistration:** Requested by July 10.

**Education X373.2**

**Reg #091-EDS-S04**

## Food and Child Nutritional Services in Public Education

Overview of the operation of food and nutritional services in public schools, ensuring compliance with state and federal regulations, cost and accounting controls and way to provide nutritional meals and services to students.

*Required for Chief Business Officials Certificate*

**Harold Boring, Ed.D.**, Area Representative ACSA (Association of California School Administrators)

**Credit:** 1 unit

**Date/Time:** Tues. 7:30 a.m.-4:30 p.m., Jul. 14 (1 meeting)

**Location:** San Bernardino: San Bernardino City USD Nutrition Center, 1257 Northpark Blvd.

**Fee:** \$160 noncredit/\$165 credit (includes materials and parking). Call student services to register for credit.

**Preregistration:** Requested by July 11.

**Education X372.7**

**Reg #091-EDS-S05**

### School Business Accounting

School district financial systems, such as auditing, accounting, reporting, attendance accounting, student body organization funds, state and federal projects, and certificated and classified payroll as they relate to school business accounting and other areas.

*Required for Chief Business Officials Certificate*

**Herb Calderon, M.B.A.**, is the Assistant Superintendent for Business Services in Victor Valley Union High School District.

**Credit:** 5 units

**Date/Time:** Thurs., Fri., Sat. & Sun. 8 a.m.-5 p.m.,

Jul. 17-25 (6 meetings)

**Location:** UCR: Extension Center, 1200 University Ave.

**Fee:** \$570 noncredit/\$575 credit (includes parking), (text not included) Call Student Services to register for credit.

**Preregistration:** Requested by July 13.

**Education X372.2**

**Reg #091-EDS-S07**

### Maintenance, Operations and Pupil Transportation

Elements of maintenance and operations of a school district. Effective delivery systems for pupil transportation will be presented. Topics include preventive and deferred maintenance, training, planning, budgeting and staffing.

*Required for Chief Business Officials Certificate*

**Craig Misso, M.B.A.**, is the Operations Administrator in Ontario-Montclair School District.

**Credit:** 1.5 units

**Date/Time:** Mon. 4-9 p.m. & Tues. 8:30 a.m.- 6 p.m., Jul. 20 & 21 (2 meetings)

**Location:** UCR: Extension Center, 1200 University Ave.

**Fee:** \$215 noncredit/\$220 credit (includes materials and parking). Call Student Services to register for credit.

**Preregistration:** Requested by July 17.

**Education X372.8**

**Reg #091-EDS-S08**

Also applying to the certificate

## School Facilities Construction and Project Planning

See page 29.

## College Admissions Counseling

ONLINE

### The College Counseling Process

Overview of the counseling process, factors affecting the choice of a college by students, parents and counselors including how colleges choose students and the importance of extra-curricular activities, college costs and financial aid.

**W. Robert Blanck, M.A.**, served as a high school counselor and secondary principal.

**Credit:** 4 units

**Date/Time:** Jul.1 - Aug. 7

**Location:** Online

**Fee:** \$545 Noncredit/\$550 Credit. Call Student Services to register for credit.

**Preregistration:** Requested by June 24.

**Education X313.35B**

**Reg #091-EDP-PO1**

### Intensive Summer Schedule

## Chief Business Official Certificate Program

From July 11 through July 25, you can complete six courses, totaling 11.5 units.

#### STARTS

**July 11** – Overview of California School Business Services

**July 13, 15** – School Law for Chief Business Officials

**July 14** – Food and Child Nutritional Services in Public Education

**July 15, 16** – School Facilities Construction and Project Planning

**July 17, 18, 19, 23, 24, 25** – School Business Accounting

**July 20, 21** – Maintenance, Operations and Pupil Transportation

For more information or a brochure, call (951) 827-1665 or e-mail [mgruendyke@ucx.ucr.edu](mailto:mgruendyke@ucx.ucr.edu).

## Child Development Permits

### ECE Courses Apply to All 6 Levels

UCR Extension's Early Childhood courses are approved by the California Commission on Teacher and Credentialing (CCTC). The ECE program streamlines the application process for child development permits. These classes may be used to fulfill state requirements for Child Development Permits authorized by CCTC.

#### Level 1 – Child Development Assistant Teacher

- \* An Introduction to Early Childhood Studies – Child Growth and Development (online)
- \* Developmentally Appropriate Curriculum in Early Childhood Education (online)

#### Level 2 – Child Development Associate Teacher

- \* The Role of Home, School and Community in ECE Settings (online)
- Observing Children's Behavior
- Health, Nutrition and Safety in Early Childhood
- \* A Workshop on the Techniques of Storytelling
- Creative Arts for the Young Child
- Children at Play: Developmental Changes

#### Level 3 — Child Development Teacher Levels 1 and 2, 18 ECE and 24 GE quarter units

#### Levels 4-6 – Child Development Master Teacher, Child Development Site Supervisor and Child Development Program Director

These levels require additional coursework and advisement. Please call Dr. Margi Wild at (951) 827-5995 or Guillermina Hernandez at (951) 827-2650, or e-mail [ecfs@ucx.ucr.edu](mailto:ecfs@ucx.ucr.edu) to set up an individualized program.

#### Applies to all levels –

- \* Supervised Field Experience in Early Childhood Studies
- Strategies for Reporting Child Abuse in Early Childhood Education (Spanish and English)

\*Offered at this time. See ad below or visit our Web site at [extension.ucr.edu](http://extension.ucr.edu).

## ONLINE

### Financial Aid Planning for Higher Education

Strategies for helping students succeed in obtaining financial aid for higher education, techniques for creative financial planning, various appeal processes available to students and families, and negotiating financial aid packages.

*Required for Certificate in College Admissions Counseling*

**Frank Jonasson, M.Ed.** is an instructor in Financial Aid for college admissions.

**Credit:** 2 units

**Date/Time:** Aug. 22 - Sept. 12

**Location:** Online

**Fee:** \$360 noncredit/\$365 credit. Call Student Services to register for credit.

**Preregistration:** Requested by August 15.

**Education X313.34A**

**Reg #091-EDP-P02**

### Early Childhood Studies

For more information on our summer course offerings, please see the ad on this page or e-mail [jandrew@ucx.ucr.edu](mailto:jandrew@ucx.ucr.edu) or call (951) 827-1662. For complete course descriptions, visit our Web site at [www.extension.ucr.edu](http://www.extension.ucr.edu).

## Summer Courses Offered

### Early Childhood and Family Studies

#### Summer Traditional Course Offerings

**Parent and Family Involvement in ECE**  
Tues./Thrs. 6 p.m.-10 p.m., Jun.23-Jul. 14  
Reg. #091-EDH-H02

**An Introduction to Early Childhood Studies: Child Growth and Development**  
Tues. 5:30-10 p.m., June 30-Sept. 1  
Reg. #091-EDH-H30

**Seminar in Administration Part A**  
Sat. 8:30 a.m.-3:30 p.m., July 11-Aug. 15  
Reg. #091-EDH-H01

**Behavior Guidance: Working with Difficult Children**  
Tues. 6 p.m.-9 p.m., Jul. 14-Aug. 25  
Reg. #091-EDH-H04

**Supervised Field Experience**  
Tues.Thrs. 5:30 p.m.-9:30 p.m., Aug. 4-Sept. 10  
& Sat. 8:30 a.m.-10:30 a.m. Sept. 12  
Reg. #091-EDH-H10

**A Workshop in the Techniques of Storytelling**  
Sat. 8 a.m.-6 p.m., Aug. 15  
Reg. #091-EDH-H03

#### Summer Online Course Offerings

**An Introduction to Early Childhood: Child Growth and Development**  
Jun. 23-Jul. 14  
Reg. #091-EDH-H05

**Fundamentals of ECE Training: Child Development/Special Needs**  
Jun. 29-Jul. 13  
Reg. #091-EDH-H07

**Developmentally Appropriate Curriculum**  
Jun. 29-Jul. 27  
Reg. #091-EDH-H08

**Early Cognition and Education**  
Jul. 1-Aug. 5  
Reg. #091-EDH-H06

**The Role of Home, School and Community in ECE Settings**  
Jul. 6-Aug. 10  
Reg. #091-EDH-H09

For more information regarding Early Childhood courses, please contact Jennifer Andrew at [jandrew@ucx.ucr.edu](mailto:jandrew@ucx.ucr.edu) or call 951-827-1662.



# Educational Facilities Planning

## Introduction to Educational Facilities Planning

Introduction to the planning process, procedures, laws and agencies that public schools encounter when dealing with facilities planning and attempting to provide adequate classroom space and support facilities for current and projected students.

*Required for Certificate in Educational Facilities Planning*

**William M. Flory, J.D.**, is a consultant in school districts.

**Credit:** 1.5 units

**Date/Time:** Fri. 5:30-10 p.m. & Sat. 8:30 a.m.-6 p.m., Jul. 10 & 11 (2 meetings)

**Location:** UCR: Extension Center, 1200 University Ave.

**Fee:** \$215 noncredit/\$220 credit. (includes parking and materials) Please call Student Services to register for credit.

**Preregistration:** Requested by July 7.

**Education X314.25**

**Reg #091-EDS-S09**

## Charter School Facilities: How to Find School Sites and Gain Local and State Approvals

Introduction to facilities planning and funding, entitlement processing, Proposition 39 (under which school districts must provide reasonably equivalent facilities to charter schools), and environmental due diligence for charter schools.

*Elective for Certificate in Educational Facilities Planning*

**Dwayne Mears, M.R.P., AICP** serves as principal-in-charge of environmental services for The Planning Center.

**Michael George Vail, B. A.**, Senior Advisor, The Planning Center

**Credit:** 1 unit

**Date/Time:** Mon. 8 a.m.-6:30 p.m., Jul. 13 (1 meeting)

**Location:** UCR: Extension Center, 1200 University Ave.

**Fee:** \$160 noncredit/\$165 credit. Call Student Services to enroll for credit.

**Preregistration:** Requested by July 12.

**Education X314.35**

**Reg #091-EDS-S13**

## Legal Issues in Educational Facilities Planning

Critical legal issues in educational facilities planning, steps necessary to avoid CEQA violations, processes for collection of developer fees, procedures necessary for condemnation of property, and discussion of educational codes and laws related to educational facilities.

*Elective for Certificate in Educational Facilities Planning*

**John W. Dietrich, J.D.**, Partner with Atkinson, Andelson, Loya, Rudd and Romo in Riverside

**Credit:** .5 unit

**Date/Time:** Mon. & Thurs. 7:15-9:30 p.m., Jul. 13 & 16 (2 meetings)

**Location:** UCR: Extension Center, 1200 University Ave.

**Fee:** \$110 noncredit/\$115 credit (includes materials and parking). Call Student Services to register for credit.

**Preregistration:** Requested by July 10.

**Education X314.38**

**Reg #091-EDS-S14**

## Practical Guide for Obtaining Environmental Clearance for New and Expanding School Sites

Review of requirements of the California Environmental Quality Act, State Department of Education, and Department of Toxic Substances Control. Strategies for navigating the process of obtaining environmental clearance for school projects are presented.

*Elective for Certificate in Educational Facilities Planning*

**Dwayne Mears, M.R.P., AICP**, serves as principal-in-charge of environmental services for The Planning Center.

**Credit:** 1 unit

**Date/Time:** Tues. 8 a.m.-6:30 p.m., Jul. 14 (1 meeting)

**Location:** UCR: Extension Center, 1200 University Ave.

**Fee:** \$160 noncredit/\$165 credit, (includes materials and parking). Call Student Services to register for credit.

**Preregistration:** Requested by July 11.

**Education X314.43**

**Reg #091-EDS-S10**

## Involvement of Public Agencies in the School Planning and Construction Process

Roles and responsibilities of federal, state, county and city agencies involved in school facilities planning. Ways of working effectively and efficiently with those agencies in order to gain approvals necessary for school facilities plans.

*Elective for Certificate in Educational Facilities Planning*

**Ronald Pregmon, M.B.A.**, Educational Planner and State Agency Advocate, WLC Architects, Riverside

**Credit:** 1.5 units

**Date/Time:** Wed. & Fri. 8 a.m.-4:30 p.m., Jul. 15 & 17 (2 meetings)

**Location:** UCR: Extension Center, 1200 University Ave.

**Fee:** \$215 noncredit/\$220 credit, (includes materials and parking). Call student services to register for credit.

**Preregistration:** Requested by July 12.

**Education X314.32**

**Reg #091-EDS-S12**

## School Facilities Construction and Project Planning

Overview of the construction process from planning to culmination. Examination of the interrelationships and function of the various state, city and county agencies involved in school facilities construction and project planning.

*Required for Chief Business Officials Certificate*

*Required for Certificate in Educational Facilities Planning*

**Greg Bowers, M.P.A.**, Assistant Superintendent of Facilities and Operations, Lake Elsinore Unified School District

**Credit:** 1.5 units

**Date/Time:** Wed. 5-9:30 p.m., Thurs. 8 a.m.-6 p.m., Jul. 15 & 16 (2 meetings)

**Location:** UCR: Extension Center, 1200 University Ave.

**Fee:** \$215 noncredit/\$220 credit, (includes materials and parking). Call Student Services to register for credit.

**Preregistration:** Requested by July 12.

**Education X314.3**

**Reg #091-EDS-S06**

### Also of interest

## LAFCOs, Cities and Special Districts: The Challenge of Boundary Change in the Future

See page 79

### Intensive Summer Schedule

## Educational Facilities Planning Certificate

Complete six courses in less than two weeks, July 10-17.

**NEW** New course:  
Charter School Facilities

- **July 10, 11** – Introduction to Educational Facilities Planning
- **July 13** – Charter School Facilities
- **July 13, 16** – Legal Issues in Educational Facilities Planning
- **July 14** – Practical Guide for Obtaining Environmental Clearance for New and Expanding School Sites
- **July 15, 16** – School Facilities Construction and Project Planning
- **July 15, 17** – Involvement of Public Agencies in School Planning and Construction Process

For more information, call (951) 827-1665 or e-mail [mgruendyke@ucx.ucr.edu](mailto:mgruendyke@ucx.ucr.edu).

## Supplementary Authorization in

## Computer Concepts and Applications

## The Program

UC Riverside Extension is approved by the Commission on Teacher Credentialing to offer a 1.5-unit Supplementary Authorization in Computer Concepts and Applications which can be added to the credential with authorization to teach departmental classes in computer concepts.

## Required Courses

Effective Use of Computer-Based Technology: Level I, page 30

Effective Use of Advanced Computer-Based Technology: Level II, page 30

Effective Use of Technology Resources to Reflect Learning Theory and Curriculum Design, page 31

Troubleshooting and Maintaining Computers

For more information, e-mail [edtech@ucx.ucr.edu](mailto:edtech@ucx.ucr.edu) or call Annette Webb at (951) 827-1653.

## Educational Technology

## State Requirements

To fulfill the state requirement, students must complete the entire course (40 hours). Candidates who do not hold a Preliminary credential issued prior to July 1, 2002 and are recommended for the initial issuance of their Professional Clear credential after July 1, 2002, are required to complete both Level I and Level II requirements. The Level I (Edu. X147) and Level II (Edu. X148) Technology standards do not apply to Education Specialist credential candidates. Students completing a teacher preparation program at another California college should check with their college to determine transferability of credit.

See pages 30 and 31 for course information.

## Educational Technology

## ONLINE • HYBRID

## Effective Use of Computer-Based Technology: An Integrated Approach for the Classroom, Level I

Effective uses of computer-based technology in teaching and learning, computer software terminology, basic hardware operation, care of computer systems, troubleshooting techniques and methods for integrating educational technology into the curriculum.

*Required for Fifth Year of Study/Clear Credential Program  
Supplementary Authorization in Computer Concepts and Applications*

**Constance L. Castro**, M.A., Computer Coordinator/Instructor, Suzanne Middle School, Walnut

**Timothy Downey**, M.A., GATE Teacher, Moreno Valley Unified School District

**Credit:** 4 units

**Downey**

**Date/Time:** Jun. 16-Jul. 7

**Location:** Online

**Fee:** \$545

**Preregistration:** Requested by June 14.

Education X147

**Reg #091-EDC-C16**

**Downey**

**Date/Time:** Sat. 8 a.m.-6 p.m., Jul. 25-Aug. 8. Additional 10 hours online. (3 meetings)

**Location:** UCR: Extension Center, 1200 University Ave.

**Fee:** \$545 (includes parking)

Education X147

**Reg #091-EDC-C17**

## ONLINE

## Effective Use of Advanced Computer-Based Technology: An Integrated Approach for the Classroom, Level II

Effective uses of technology in designing lessons that address information literacy and problem-solving skills. Electronic media, collaborative tools, manipulation and analysis of data, and creating learning environments that promote technology alignment with the curriculum.

**Note:** Text is required for first class session.

**Prerequisite:** Completion of EDUC X147, Effective Use of Computer-Based Technology: An Integrated Approach for the Classroom, Level I, or equivalent.

*Required for Fifth Year of Study/Clear Credential Program  
Required for Certificate in Technology in Education  
Supplementary Authorization in Computer Concepts and Applications*

**David S. McCabe**, M.A., Coordinator of Teacher Education, Pasadena City College

**Constance L. Castro**, M.A., Computer Coordinator/Instructor, Suzanne Middle School, Walnut

**Credit:** 4 units

**McCabe**

**Date/Time:** Mon.-Fri. 8 a.m.- 5 p.m., Jun. 22-26 (5 meetings)

**Location:** UCR: Extension Center, 1200 University Ave.

**Fee:** \$545 (includes parking)

Education X148

**Reg #091-EDC-C19**

**Castro**

**Date/Time:** Aug. 4-25

**Location:** Online

**Fee:** \$545

**Preregistration:** Requested by August 2.

Education X148

**Reg #091-EDC-C18**

## ONLINE

## Enhancing Learning Through Web-Based Instruction

Examination of online teaching and learning environments that enable instructors and their students to share learning materials on the Web, communicate and collaborate, and evaluate and measure student progress.

*Elective for Certificate in Technology in Education*

**Constance L. Castro**, M.A., Computer Coordinator/Instructor, Suzanne Middle School, Walnut

**Credit:** 2 units

**Date/Time:** Jun. 15-29

**Location:** Online

**Fee:** \$355

**Preregistration:** Requested by June 8.

Education X325.69

**Reg #084-EDC-C04**

## HYBRID

## Joomla! Website Design For Educators

Joomla! website administration software designs the overall look and feel of a Web site. Prospective Web designers learn to install, design and administer a Joomla! Web site, including their own unique creative content.

**Note:** Additional 2 hours online

*Elective for Certificate in Technology in Education*

**David Livingston**, Ph.D., Teacher, Upland High School and Lecturer, Graduate School of Education, UC Riverside

**Credit:** 1 unit

**Date/Time:** Sat. 8 a.m.- 5 p.m., Jul. 18 (1 meeting)

**Location:** UCR: Extension Center, 1200 University Ave.

**Fee:** \$185 (includes parking)

Education X347.05

**Reg #091-EDC-C21**

ONLINE

### Effective Use of Technology Resources to Reflect Learning Theory and Curriculum Design

Instructional strategies for selecting and utilizing technology to support academic achievement. Examines current research on learning theory and effective ways for designing curriculum units that are standards-based and consistent with the different ways students learn.

*Required for Certificate in Technology in Education*

*Supplementary Authorization in Computer Concepts and Applications*

**Constance L. Castro, M.A.**, Computer Coordinator/Instructor, Suzanne Middle School, Walnut

**Credit:** 4 units

**Date/Time:** Jul. 28-Aug. 18

**Location:** Online

**Fee:** \$545

**Preregistration:** Requested by July 26.

**Education X347.3**

**Reg #091-EDC-C28**

## Educational Therapy

### Advanced Psychoeducational Assessment and Evaluation

Examination of skills an educational therapist needs to assess and evaluate clients, criteria for selecting appropriate instruments, analysis, observations, curriculum and performance-based instruments, as well as standardized achievement tests.

**Prerequisite:** EDUC X330.26, Psychology of Human Learning; EDUC X330.27, Principles of Educational Therapy; EDUC X330.29, Statistics for Tests and Measurements

*Required for Certificate in Educational Therapy*

**Leslie Huscher, M.A.** in Education, is the owner/director of a local educational therapy center and school.

**Credit:** 3 units

### Special Refund Policy On-site Computer Courses

A special refund policy applies to all education computer courses. A full refund will be issued if received in writing 48 hours before the first session; full refunds after that will only be granted on a case-by-case basis and will be assessed a \$50 drop fee. No refunds will be granted after the second session.

**Date/Time:** Sat. 8 a.m.-6 p.m., Jun. 27-Jul. 18 (no meeting Jul. 4) (3 meetings)

**Location:** RIVERSIDE: Big Springs Educational Center, 1189 Iowa Ave.

**Fee:** \$440 noncredit/\$445 credit (text not included) Call Student Services to register for credit.

**Preregistration:** Requested by June 24.

**Education X330.30**

**Reg #091-EDI-I02**

ONLINE • HYBRID

### Understanding Learning Differences

Understanding of learning disabilities and current theories regarding deficiencies in visual, auditory, visual-motor, speech/language, and sequential processing. Symptoms, identification and implications of learning difficulties are presented.

*Required for Certificate in Educational Therapy*

**Regina Richards, M.A.**, Educational Therapist, Riverside, founded Richards Educational Therapy Center, and Big Springs School.

**Credit:** 2 units

**Date/Time:** Sat. 8:30 a.m.-5:30 p.m., Aug. 15-29 (no meeting Aug. 22) (2 meetings)

**Location:** UCR: Extension Center, 1200 University Ave.

**Fee:** \$325 noncredit/\$330 credit (includes parking and materials) Call Student Services to register for credit.

**Preregistration:** Requested by August 12.

**Education X330.25**

**Reg #091-EDI-I01**

**Date/Time:** Sat. 8:30 a.m.-5:30 p.m., Aug. 15-29 (no meeting Aug. 22) (2 meetings)

**Location:** Online Course

**Fee:** \$375 noncredit/\$380 credit (includes materials) Call Student Services to register for credit.

**Education X330.25**

**Reg #091-EDI-I03**

## Gifted and Talented Education (GATE)

ONLINE

### Issues and Solutions for Secondary GATE Instructors

Issues, solutions and strategies involved with the instruction of secondary GATE students. Discussion of AP and honors programs, block scheduling, working with at-risk GATE students, and available postsecondary opportunities.

*Elective for Certificate in Education for the Gifted and Talented*

**Lance Arnt, B.A.**, High School Teacher and GATE Coordinator, Apple Valley Unified School District

**Credit:** 1 unit

**Date/Time:** Jun. 1-12

**Location:** Online

**Fee:** \$205

**Preregistration:** Requested by May 25.

**Education X328.46**

**Reg #084-EDA-A05**

### Gifted Students at Risk

Instructional strategies for teaching at-risk students. Research on underachievers, perfectionists, gifted girls, English learners, learning disabled and highly gifted students is presented.

*Elective for Certificate in Education for the Gifted and Talented*

**Dana M. Reupert, M.A.**, CAG President and Retired Principal, Riverside Unified School District

**Credit:** 1 unit

**Date/Time:** Sat. Jun. 20 8:30 a.m.-6:30 p.m., (1 meeting)

**Location:** UCR: Extension Center, 1200 University Ave.

**Fee:** \$165 (includes parking)

**Education X328.11**

**Reg #084-EDA-A08**

“I am completing my supplementary authorization in Computer Concepts and Applications! My classes have been rigorous, the professors are extremely knowledgeable, and the small classes make it personable. I would recommend UC Riverside Extension to busy working professionals who desire to stay on the cutting edge in their respective fields.”

**Diane Lang**  
Teacher, Riverside Unified School District

Rising Star  
**Diane Lang**



## GATE Educators

## Community of Leaders Conference

**Date/Time:** 8 a.m. to 5 p.m.  
Saturday, May 30, 2009

**Location:** UC Riverside Extension

A conference dedicated to GATE educators to explore creative ways to integrate inquiry learning into the curriculum.

**Keynote Speaker:** DR. FRED ESTES,  
Science Coordinator, The Nueva School

**Morning Keynote**

*Inquiry Science for Gifted Students:  
The Pleasure of Finding Things Out*

**Afternoon Keynote**

*Designing Creative, Innovative and  
Effective Instruction: Start with the  
End in Mind*

**Co-sponsors:** California Associate for  
the Gifted and the Inland Area Science  
Project Teacher Retention Initiative

**Credit:** 1 unit

**Fee:** \$135 credit/\$125 noncredit

**Reg: #084-EDA-A11**

For more information, visit [www.extension.ucr.edu](http://www.extension.ucr.edu)  
or e-mail [gate@ucx.ucr.edu](mailto:gate@ucx.ucr.edu).

## HYBRID

**Teaching the Gifted and Talented:  
Guidance and Goals of the Program**

Components and issues of gifted and talented education and insights into the unique needs of GATE students. Current state legislation, characteristics of gifted students, components of differentiated instruction, program assessment/evaluation and parent involvement are presented.

*Required for Certificate in Education for the Gifted and Talented*

**Dana M. Reupert, M.A.**, CAG President and Retired Principal, Riverside Unified School District

**Credit:** 3 units

**Date/Time:** Jun. 27 & Jul.18 (This is a hybrid course with 10 additional hours online. Net ID required before class begins.) (2 meetings)

**Location:** UCR: Extension Center, 1200 University Ave.

**Fee:** \$465 (includes parking)

**Preregistration:** Requested by June 20.

**Education X428.09**

**Reg #091-EDA-A02**

**Teaching Gifted Learners in the Regular Classroom, K-8**

Techniques for adjusting the core curriculum and strategies for planning, teaching, and evaluating student progress of gifted learners. Topics include compacting the curriculum, and creating challenging assignments using Bloom's Taxonomy.

*Elective for Certificate in Education for the Gifted and Talented*

**Carl E. Herbert, M.A.**, Consultant, gifted and talented education programs

**Credit:** 1 unit

**Date/Time:** Sat. 8:30 a.m.-6:30 p.m., Jul. 11 (1 meeting)

**Location:** UCR: Extension Center, 1200 University Ave.

**Fee:** \$165 (includes parking)

**Education X327.15**

**Reg #091-EDA-A01**

## HYBRID

**Teaching the Gifted and Talented:  
Approaches to Curriculum and Design**

Classroom approaches to curriculum and design for gifted and talented students. Strategies that include questioning, critical thinking activities, differentiated instruction, and development of high level cognitive skills are presented.

*Required for Certificate in Education for the Gifted and Talented*

**Jody A. Behrens, M.Ed.**, GATE Teacher, Beaumont Unified School District

**Credit:** 3 units

**Date/Time:** Jul. 25 - Aug. 15 (This is a hybrid class with 10 additional hours online. Net ID required.) (2 meetings)

**Location:** UCR: Extension Center, 1200 University Ave.

**Fee:** \$465 (includes parking)

**Preregistration:** Requested by July 18.

**Education X428.08**

**Reg #091-EDA-A05**

**Spring 2009 Instructor Excellence Award***Dana M. Reupert*

**UCR Extension Instructor since:** 1988

**Also teaches at:** UC Riverside Graduate School of Education – Part-time Lecturer

**Achievements/awards:** 2006 Robert E. Kelly Award (ACSA); 2004 CAG Award of Recognition; 2001 Principal of the Year (Riverside USD)

**Other jobs/experiences:** Riverside USD Gifted Coordinator (5 years); Riverside USD Principal (10 years); CAG President (3 years); Presenter at CAG, National Association for Gifted Children (NAGC), World Council for Gifted Talented Children Conferences; NAGC Education Committee member; Riverside Chambers of Commerce College and Career Fair Workshop Chair

**Noted for:** Expertise in gifted and talented education

**Publications:** California Association for the Gifted (CAG) Intercom

**Favorite thing about teaching at UCR Extension:** I continue to feel that it's a privilege to work with educators who are teaching children who will be our future leaders and problem-solvers.

**Most memorable teacher:** Mrs. Florence Walters, elementary teacher, who taught in a two-room country school in Minnesota. She encouraged creativity, leadership, and a strong work ethic.

**How did you get interested in your field?** I am the oldest of six children and have always been a "teacher" who wanted students to develop their gifts and talents.



## Teaching the Gifted and Talented: Recognizing Individual Differences

Exploration of the intellectual and social-emotional development of gifted students. This course considers the impact of learning differences, culture and language, social economics, and other exceptionalities in the development and recognition of giftedness.

*Required for Certificate in Education for the Gifted and Talented*

**Erik J. Mickelson, B.A.**, GATE Coordinator, Palm Springs Unified School District

**Credit:** 3 units

**Date/Time:** Aug. 22 & Sept. 13 (This is a hybrid course with 10 additional hours on line. Net ID Required.) (2 meetings)

**Location:** UCR: Extension Center, 1200 University Ave.

**Fee:** \$465 (includes parking)

**Preregistration:** Requested by August 15.

Education X428.1

**Reg #091-EDA-A03**

[\*Also applying to the certificate\*](#)

## Applications of Brain Research in Classroom Practice

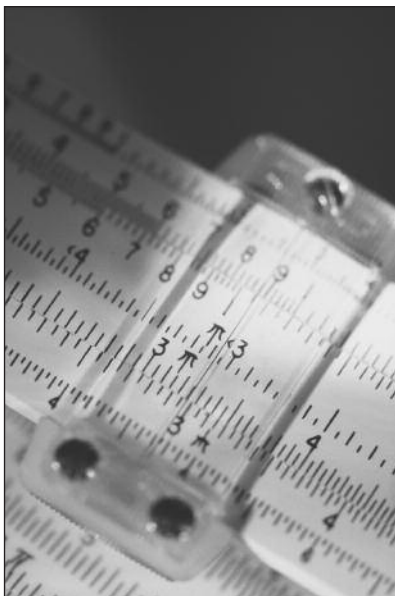
See this page.

## Inquiry-Based Learning

[\*Also applying to the certificate\*](#)

## Applications of Brain Research in Classroom Practice

See this page.



## Language Arts and Writing

### From Assignment to Assessment: The Integration of Reading and Writing and Assessing in the Language Arts Classroom

Methods for aligning content standards to the language arts curriculum through techniques that integration of writing and reading. Units of study that enhance students' higher-level thinking abilities are developed.

*Required for Certificate in Teaching Language Arts and Writing*

*Elective for Certificate in Education for the Gifted and Talented*

**Latricia Parker, M.A.**, Teacher, Val Verde Unified School District

**Credit:** 3 units

**Date/Time:** Tues. 4:30 a.m.-9:30 p.m.; Thurs. 4:30 a.m.-9:30 p.m. & Sat. 8 a.m.-1 p.m.; Jun. 23, 25 & 27 & Jul. 7, 9 & 11 (6 meetings)

**Location:** UCR: Extension Center, 1200 University Ave.

**Fee:** \$425

Education X330.57

**Reg #091-EDX-X01**

## Mathematics for Educators

[\*Also applying to the certificate\*](#)

### Fundamental Concepts of Geometry, Part I

See page 44.

### Probability and Statistics, Part A

See page 44.

### Developing the Real Number System, Part B

See page 44.

### Fundamental Concepts of Geometry, Part II

See page 45.

### Strategies for Effective Mathematics Instruction

See page 45.

### Non-Linear Algebra for Middle School, Grades 7-9

See page 45.

## Multiple Intelligences

### Applications of Brain Research in Classroom Practice

Applications of brain research in classroom practice and implications to curriculum and instruction. Topics include physiology of the brain, types of memory systems and their relationship to learning, neural plasticity, and emotional and intellectual development.

*Elective for Certificate in Inquiry-Based Learning*

*Elective for Certificate in the Study of Multiple Intelligences*

*Elective for Certificate in Education for the Gifted and Talented*

**David Ghoogasian, B.A.**, Educational Consultant, The Lyceum, Whittier

**Credit:** 1 unit

**Date/Time:** Sat. 8 a.m.- 6 p.m., Jul. 11 (1 meeting)

**Location:** UCR: Extension Center, 1200 University Ave.

**Fee:** \$165 (includes parking)

Education X324.06

**Reg #091-EDM-M02**

## Parenting and Communication Skills

[\*Also applying to the certificate\*](#)

### Effects of Prenatal Drug Exposure

See page 61.

### Developmentally Appropriate Curriculum in Early Childhood Education

See page 28.

### An Introduction to Early Childhood Studies — Child Growth and Development

See page 28.

### Parent (Family) Involvement in Early Childhood Education

See page 28.

### Role of Home, School and Community in Early Childhood Education

See page 28.

### Early Cognition and Education

See page 28.

# Response to Intervention Science for Educators

## Introduction to Response to Intervention

Overview of Response to Intervention (RtI) principles and techniques to address academic and behavioral problems. Introduction to screening, progress monitoring, and standards of intervention quality.

*Required for Response to Intervention*

**Michael L. Vanderwood**, Ph. D., Associate Professor, Graduate School of Education, UC Riverside

**Credit:** 2 units

**Date/Time:** Sat. 8 a.m.-6:30 p.m., Aug. 22 & Sept. 12 (2 meetings)

**Location:** UCR: Extension Center, 1200 University Ave.

**Fee:** \$385 noncredit/\$390 credit (Includes parking and materials) Call Student Services to register for credit.

**Preregistration:** Requested by August 18.

**Education X424.1**

**Reg #091-EDX-X05**

## Sheltered Science Strategies

Introduction to SDAIE (Specially Designed Academic Instruction in English) strategies and applications for elementary and secondary science classrooms. Science lessons including hands-on, cooperative learning activities and assessment strategies for English learners are modeled and developed.

**Roxanne Sensenbach**, Bilingual Coordinator, Cucamonga Unified School District

**Credit:** 4.5 units

**Date/Time:** Mon.-Fri. 8 a.m.-5:30 p.m., Jun. 22-26, (5 meetings)

**Location:** UCR: Extension Center, 1200 University Ave.

**Fee:** \$545 (includes parking)

**Education X328.76**

**Reg #091-EDF-F04**

### *Also applying to the certificate*

#### Concepts of Physics: Mechanics

See page 45.

#### Principles of Geology for Educators

See page 45.

#### Biological Sciences and Lab

See page 46.

#### Environmental Science and Ecology for Educators

See page 46.

#### Chemistry II: Structure of Matter and Chemical Bonding

See page 45.

#### Introduction to Science

See page 45.

#### Chemistry III: States of Matter, Chemical Reactions and Nuclear Chemistry

See page 46.

## Science/Math Mentor

### *Also applying to the certificate*

#### Fundamental Concepts of Geometry, Part I

See page 44.

#### Chemistry II: Structure of Matter and Chemical Bonding

See page 45.

#### Probability and Statistics, Part A

See page 44.

#### Concepts of Physics: Mechanics

See page 45.

#### Developing the Real Number System, Part B

See page 44.

#### Introduction to Science

See page 45.

#### Fundamental Concepts of Geometry, Part II

See page 45.

#### Principles of Geology for Educators

See page 45.

#### Strategies for Effective Mathematics Instruction

See page 45.

#### Biological Sciences and Lab

See page 46.

#### Non-Linear Algebra for Middle School, Grades 7-9

See page 45.

#### Chemistry III: States of Matter, Chemical Reactions and Nuclear Chemistry

See page 46.

#### Environmental Science and Ecology for Educators

See page 46.

## Visual and Performing Arts for Educators

### Issues in Contemporary Art Education

Introduction to contemporary concepts in art and art education, methods for designing interdisciplinary lessons that improve students' expressive and analytic abilities and incorporate contemporary artwork relevant to their lives are presented.

*Elective for Certificate in Visual and Performing Arts for Educators*

**Xavier Cazares Cortez**, B.A., is an artist and art educator who is engaged in the transformation of art education.

**Credit:** 1 unit

**Date/Time:** Sat. 8 a.m.-6:30 p.m., Jul. 18 (1 meeting)

**Location:** UCR: Extension Center, 1200 University Ave.

**Fee:** \$160 noncredit/\$165 credit. (includes parking and materials) Call Student Services to register for credit.

**Preregistration:** Requested by July 15.

**Art X497**

**Reg #091-EDX-X02**

### Inland Area Science Project

## Summer Institute

The Inland Area Science Project will be offering a summer institute at UC Riverside Extension.

### June BLAST Institute

Building Language Acquisition Through Science Teaching

**Sheltered Science Strategies**

**Reg #091-EDF-F04**

See this page.

For more information, e-mail [mathscience@ucx.ucr.edu](mailto:mathscience@ucx.ucr.edu) or call Annette Webb, 951-827-1653,

