

Children & Youth Enrichment Programs

NEW What's in the Bag? Have Fun with Math and Science, Grades 4-7

Determine patterns of manufacturing and packaging using candies. Learn about the Olympics and participate in a mini metric Olympic that explains estimating and measuring. Make predictions, estimate, record data, predict, generalize and weigh mass.

Note: Parents, please sign students in and out. Students will need to bring water and a healthy snack for break.

Eulaine Melanson, M.A., Middle School Counselor, Moreno Valley Unified School District

Date/Time: Mon.-Fri. 8:30 a.m.-12:30 p.m., Jul. 6-10 (5 meetings)

Location: UCR: Extension Center, 1200 University Ave.
Fee: \$195 / \$175 siblings

Education 878.5

Reg #091-EDL-L01

Children and Youth

Expanding Horizons

Calling all parents of eager learners and talented high-achieving and gifted children. Don't be left out, save the date for this summer's

Expanding Horizons July 20-31, 2009

Expanding Horizons is a special two-week academic enrichment program held at the UC Riverside Extension Center for eager-to-learn and gifted students in grades 3-7. Students will enjoy many enriching activities and explore academic areas in:

- Math
- Spanish
- Art
- History (China)
- Economics
- Writing
- Drama

We will also offer the popular Learning Skills Class, a Science Camp and a Math workshop.

To have your name added to our mailing list, contact: Eileen Johnson at youth@ucx.ucr.edu or call (951) 827-1655.

Learning Skills, Grades 6-8

Increase efficiency by identifying how students learn and process information. Topics include time management, note taking, test taking, and developing organizational skills.

Note: Parents, please sign students in and out. Students will need to bring water and a healthy snack for break.

Susan F. Kroeger, M.I., Rialto Unified School District

Date/Time: Mon.-Fri. 8:30 a.m.-12:30 p.m., Jul. 13-17 (5 meetings)

Location: UCR: Extension Center, 1200 University Ave.
Fee: \$195 / \$175 siblings (includes notebook)

General Interest 898.9

Reg #091-EDL-L02

Expanding Horizons: Summer Program for Eager Learners and Talented, High-Achieving and Gifted Children, Grades 3-7

A variety of academic and enrichment courses for eager learners and talented, high-achieving and gifted students in grades 3-7.

Note: To apply, students must complete enrollment form in full, available by calling (951) 827-1655 or (951) 827-1658. Program requires a copy of student's latest report card.

Diane Garnet, M.E., Resource Specialist, Alvard Unified School District

Susan F. Kroeger, M.I., Rialto Unified School District

Beverly Ann Lopez, M.A., Spanish/ELD Teacher High School, Moreno Valley School District

Sarah K. Peterson, M.A., Teacher and GATE Facilitator, Val Verde Unified School District

Date/Time: Mon.-Fri. 9 a.m.-4 p.m., Jul. 20-31 (10 meetings)

Location: UCR: Extension Center, 1200 University Ave.
Fee: \$415 / \$380 siblings

Preregistration: Requested by July 15.

Education 860

Reg #091-EDL-L04

Exploring Algebra: For Students in Grades 5-8

This pre-algebra course is an exploration of integers, order of operations, properties, number theory, linear equations, and algebraic expressions. There will be an emphasis on problem solving.

Note: Parents, please sign students in and out. Students will need to bring water and a healthy snack for break. This class is for students who have not had an algebra class.

Shannon L. Andrews, M.Ed., Teacher, Moreno Valley Unified School District

Date/Time: Mon.-Fri. 8:30 a.m.-12:30 p.m., Aug. 3-7 (5 meetings)

Location: UCR: Extension Center, 1200 University Ave.
Fee: \$195 / \$175 siblings

Preregistration: Requested by August 1.

General Interest 839.6

Reg #091-EDL-L03

Education Credentials

CLAD Through CTEL

ONLINE

Orientation: CLAD through CTEL

Orientation to CLAD Through CTEL Certificate Program has information on requirements, standards and field experience(s). It is mandatory for applicants entering UC Riverside Extension's CLAD Through CTEL Program.

Required for Certificate in Cross-Cultural Language & Academic Development (CLAD)

Donna I. Saldin, M.A., Coordinator, CLAD Through CTEL Program, UC Riverside Extension

Date/Time: Jun. 1 - Jul.15

Location: Online
Fee: \$40

Education 804.1

Reg #084-EDF-F09

Date/Time: July 16 - Aug. 31

Location: Online
Fee: \$40

Education 804.1

Reg #091-EDF-F03

Date/Time: Sept. 1-Oct. 5 (remains opened until Oct. 5)

Location: Online
Fee: \$40

Education 804.1

Reg #091-EDF-F07

Date/Time: Jun. 23 - Jul. 27

Location: Online
Fee: \$550

Preregistration: Requested by June 16.

Education X426

Reg #091-EDF-F08

ONLINE

Culture and Inclusion

Examination of cultural diversity and the relationship to academic achievement, implementation and evaluation of culturally inclusive instruction. This course provides the requisite knowledge, skills and abilities required by the CCTC for CTCL Domains 1 and 2.

Note: Text required.

Prerequisite: EDUC 804.1, Orientation: CLAD Through CTCL

Required for Certificate in Cross-Cultural Language & Academic Development (CLAD)

Deborah L. Rozeski, M.A. Coordinator of Professional Development, Moreno Valley Unified School District

Credit: 4 units

Date/Time: Jun. 23-Jul. 27

Location: Online

Fee: \$550

Preregistration: Requested by July 21.

Education X426

Reg #091-EDF-F08

Shari T. Levy, M.A., prepares teachers in the area of explicit reading instruction for the Pomona Unified School District

Credit: 4 units

Date/Time: Jun. 28-Sept. 1

Location: Online

Fee: \$550

Preregistration: Requested by July 21.

Education X426

Reg #091-EDF-F12

ONLINE

Language and Language Development

Research-based conceptual understanding of language systems, structures, forms, functions that can be applied directly to assessment and instruction of English learners and the specific linguistic and socio-linguistic challenges of English learners.

Note: Text required.

Prerequisite: EDUC 804.1, Orientation: CLAD Through CTCL

Required for Certificate in Cross-Cultural Language & Academic Development (CLAD)

Jill Garner, M.A., Principal, Desert Sands Unified School District

Michael P. Mikulics, Ed.D., English Teacher, Canyon Springs High School, Moreno Valley.

Credit: 4 units

Date/Time: Jun. 8 - Jul. 11

Location: Online

Fee: \$550

Preregistration: Requested by June 1.

Education X426.1

Reg #084-EDF-F15

Garner

Date/Time: Jul. 14 - Aug. 17

Location: Online

Fee: \$550

Preregistration: Requested by July 7.

Education X426.1

Reg #091-EDF-F13

Mikulics

Date/Time: Jul. 28 - Aug. 31

Location: Online

Fee: \$550

Preregistration: Requested by July 21.

Education X426.1

Reg #091-EDF-F09

Garner

Date/Time: Aug. 18 - Sept. 21

Location: Online

Fee: \$550

Preregistration: Requested by August 11.

Education X426.1

Reg #091-EDF-F14

ONLINE

Assessment of English Language Learners

Principles and design of standards-based assessment and instruction for English language learners and the relationship to identification of students' strengths and needs to English language/literacy development and academic achievement.

Note: Text required.

Prerequisite: EDUC 804.1, Orientation: CLAD Through CTCL

Required for Certificate in Cross-Cultural Language & Academic Development (CLAD)

Elizabeth Beltran, M.A., English Language Learners Specialist/Literacy Coach, Banning Unified School District

Sandy Gilbert, Ed.D., Bilingual Project Teacher

Credit: 3 units

Beltran

Date/Time: Jun. 2-29

Location: Online

Fee: \$450

Preregistration: Requested by May 26.

Education X426.2

Reg #084-EDF-F03

Beltran

Date/Time: Jul. 14 - Aug. 10

Location: Online

Fee: \$450

Preregistration: Requested by July 7.

Education X426.2

Reg #091-EDF-F05

CTC-approved

CLAD Through CTCL Certificate

(Cross-cultural Language and Academic Development Through California Teachers of English Learners)

CLAD Through CTCL (Offered Online)

This 18-unit certificate program is designed for teachers to obtain the CLAD Through CTCL Certificate through coursework.

This program meets the new standards and replaces the formerly offered CLAD (Cross-cultural Language and Academic Development) program. All classes required for the certificate are online.

Applications to the program are available through online orientation. A \$50 application processing fee is required.

As of April 1, 2009, CTC allows teachers to combine coursework with CTCL substests they have passed.

For additional information, contact Donna Saldin by e-mail at dsaldin@ucx.ucr.edu or call (951) 827-1669.

18-Unit Program:**Orientation**

Education X804.1 (0 units)

Culture and Inclusion

Education X426.0 (4 units)

Language and Language Development

Education X426.1 (4 units)

Assessment of English Learners

Education X426.2 (3 units)

Foundations and Methods of English Language/Literacy Development and Content Instruction

Education X426.3 (6 units)

CTCL Portfolio

Education X426.9 (1 unit)

Additional classes are often added as needed.

For a complete listing of classes, visit our Web site at www.extension.ucr.edu.

Gilbert

Date/Time: Aug. 11 - Sept. 14

Location: Online

Fee: \$450

Preregistration: Requested by August 4.

Education X426.2

Reg #091-EDF-F15

Beltran

Date/Time: Sept. 1 - 28

Location: Online

Fee: \$450

Preregistration: Requested by August 25.

Education X426.2

Reg #091-EDF-F18

ONLINE

Foundations of English Language Development and Methods for Content Instruction

Examination of theories of second language acquisition and sociocultural factors that accompany each stage of language development. The use of state standards and the English Language Development Test for appropriate instructional planning are explored.

Prerequisite: EDUC 804.1, Orientation: CLAD Through CTCL; EDUC X426, Culture and Inclusion; EDUC X426.1, Language and Language Development; EDUC X426.2, Assessment of English Language Learners;

Required for Certificate in Cross-Cultural Language & Academic Development (CLAD)

Donna I. Saldin, M.A., Coordinator, CLAD Through CTCL Program, UC Riverside Extension

Patricia S. Rice, M.A., Principal, Desert Sands Unified School District

Credit: 6 units

Saldin

Date/Time: Jun. 30 - Aug. 10.

Location: Online

Fee: \$850

Preregistration: Requested by June 23.

Education X426.3

Reg #091-EDF-F01

Instructor to be announced

Date/Time: Jul. 7 - Aug. 17

Location: Online

Fee: \$850

Preregistration: Requested by June 30.

Education X426.3

Reg #091-EDF-F16

Rice

Date/Time: Aug. 11 - Sept. 21

Location: Online

Fee: \$850

Preregistration: Requested by August 4.

Education X426.3

Reg #091-EDF-F06

ONLINE

CTEL Portfolio

The CTCL Portfolio course captures learnings and field experience from each of the courses and documents progress over the course of the certificate program and includes the appropriate forms and examples of student work and/or progress.

Prerequisite: EDUC 804.1, Orientation: CLAD Through CTCL; EDUC X426, Culture and Inclusion; EDUC X426.1, Language and Language Development; EDUC X426.2, Assessment of English Language Learners; EDUC X426.3, Foundations of English Language Development and Methods for Content Instruction

Required for Certificate in Cross-Cultural Language & Academic Development (CLAD)

Donna I. Saldin, M.A., Coordinator, CLAD Through CTCL Program, UC Riverside Extension

Credit: 1 unit

Date/Time: Jun. 1 - Jul. 15

Location: Online (This course is opened for enrollment between Jun. 1 & Jul. 15)

Fee: \$200

Education X426.9

Reg #084-EDF-F07

Date/Time: Jul. 16 - Aug. 31

Location: Online (This course is opened for enrollment between Jul. 15 & Aug 31)

Fee: \$200

Education X426.9

Reg #091-EDF-F02

Date/Time: Sept. 1 - Oct. 5 (This course is opened for enrollment between Sept. 1 and Oct. 5)

Location: Online

Fee: \$200

Education X426.9

Reg #091-EDF-F17

Adult Education

Orientation: Adult Education

An orientation for the adult education credential program, including career opportunities, authorization, qualification for credentials, requirements, appeals process, and challenge of course content. Mandatory for applicants entering the adult education program.

Required for Designated Subjects Adult Education Credential

Sue Teele, Ph.D., Director, Education, and Associate Dean, UC Riverside Extension

Date/Time: Wed. 4-5:30 p.m., Jun. 17 (1 meeting)

Location: UCR: Extension Center, 1200 University Ave.

Fee: \$50 (includes parking and materials)

Education 810

Reg #091-EDV-V01

Notice: Online and Hybrid

Education Courses

Challenge Policy

Because of the unique nature of Education Extension's online and hybrid courses (combining online and classrooms sessions), it will not be possible to challenge any online courses.

Special Refund Policy

A full refund for online and hybrid courses will be issued only if received in writing prior to the preregistration date of the course. Refund requests received after that date will be granted on a case-by-case basis and all will be assessed a \$50 drop fee. No refunds will be granted on or after the start date of the course.



Credential

Driver Education and Training

Program Requirements:

- Bachelor's degree from a regionally accredited college or university, verified by official transcript.
- Possession of a valid California license and clear DMV record.
- Mandatory orientation.
- Completion of 18 quarter-unit CTC-approved program in driver education and training.
- Completion of a course in the provisions and principles of the U.S. Constitution or passage of an exam.
- Passage of the CBEST.
- Health Class
- CPR Class

For more information, contact atoma@ucx.ucr.edu or (951) 827-1661.

This program is cohort-driven and offered only once a year.

The Adult Learning Process (Level I)

Methods and techniques for adapting instruction to meet the diverse needs of adult and adolescent learners. Strategies to enhance problem solving, critical thinking, independent learning and positive attitudes toward learning are presented.

Note: Textbook required for first class session (not included in fee).

Prerequisite: Orientation meeting or consent of program coordinator.

Required for Designated Subjects Adult Education Credential

Required for Designated Subjects Vocational/Career Technical & Special Subjects Credential

Cheryl Bordelon, M.A., former Principal, Redlands Adult School

Credit: 2 units

Date/Time: Sat. 9 a.m.-2:30 p.m., Jul. 11-Aug. 1 (4 meetings)

Location: UCR: Extension Center, 1200 University Ave.

Fee: \$330 (includes parking)

Education X312.97

Reg #091-EDV-V02

HYBRID

Instructional Technology in Adult Education (Level II)

Strategies for utilizing and intergrating instructional technology in the adult education classroom. Topics include: computer-based instruction, software, e-mail, Internet and Web sites. Lesson design assessment of learning outcomes and classroom management techniques are presented.

Note: Additional 5 hours online. Textbook required for first class session (not included in fee). Students are required to bring a flash drive or five recordable CDs to first class meeting.

Prerequisite: Completion of Level I component.

Required for Designated Subjects Adult Education Credential

Raymond T. Hurst, Ed.D., Education and Business Liaison for the Copernicus Project, Graduate School of Education, UC Riverside

Credit: 2 units

Date/Time: Mon. & Wed. 5:30-9:30 p.m., Jun. 29 & Jul. 1, 6 & 8 (4 meetings)

Location: UCR: Extension Center, 1200 University Ave.

Fee: \$330 (includes parking)

Education X313.1

Reg #091-EDV-V04

Vocational Education

Orientation: Vocational Education

An orientation for the vocational education, career technical education credential program including career opportunities, authorization, qualification for credentials, requirements, appeals process, and challenge of course content. Mandatory for applicants entering the vocational program.

Required for Designated Subjects Vocational/Career Technical & Special Subjects Credential

Sue Teele, Ph.D., Director, Education, and Associate Dean, UC Riverside Extension

Date/Time: Thurs. 4-5:30 p.m., Jun. 18 (1 meeting)

Location: UCR: Extension Center, 1200 University Ave.

Fee: \$50 (includes parking and materials)

Education 811

Reg #091-EDV-V03

Teaching Vocational Students With Special Needs (Level II)

Curriculum development and strategies to accommodate students' diverse needs and learning styles in career technical programs. Appropriate instructional strategies for culturally and linguistically diverse, disadvantaged, and special need students in vocational training settings are presented.

Note: Textbook required for first class session (not included in fee). Students are required to bring a flash drive or five recordable CDs to first class meeting.

Prerequisite: Completion of Level I component.

Required for Designated Subjects Vocational/Career Technical & Special Subjects Credential

Raymond T. Hurst, Ed.D., Education and Business Liaison for the Copernicus Project, Graduate School of Education, UC Riverside

Credit: 3 units

Date/Time: Mon. & Wed. 5:30-9:30 p.m., Jul.13-29 & Aug. 3 & 5 (8 meetings)

Location: UCR: Extension Center, 1200 University Ave.

Fee: \$425

Education X309.17

Reg #091-EDV-V05

Also of interest

The Adult Learning Process (Level I)

See this page.

Reading Certificate

Orientation: Reading Certificate

Orientation for the Reading Certificate Program with an understanding of the goals, requirements, standards, and field experience(s). It is mandatory for applicants entering UC Riverside Extension's Reading Certificate Program.

Sue Teele, Ph.D., Director, Education, and Associate Dean, UC Riverside Extension

Date/Time: Wed. 4:30-6 p.m., Jun. 17 (1 meeting)

Location: UCR: Extension Center, 1200 University Ave.

Fee: \$50 (includes parking and materials)

Education 814

Reg #091-EDR-R02

Comprehension and Study Strategies in Reading and Language Arts Instruction

Instructional approaches and research-based skills contributing to development of reading comprehension and writing competence including listening, thinking, and study strategies.

Note: Textbook required for first class session (not included in fee).

Prerequisite: Orientation meeting or consent of instructor or program coordinator.

Required for Reading Certificate

Amber Humphreys, M.S., Teacher, Moreno Valley Unified School District

Credit: 3 units

Date/Time: Fri. 5-9 p.m. & Sat. 9 a.m.-3:30 p.m., Jun. 26 & 27; Jul. 17 & 18; Aug. 7 & 8 (6 meetings)

Location: UCR: Extension Center, 1200 University Ave.

Fee: \$425

Education X422.31

Reg #091-EDR-R03

Selection, Planning and Delivery Techniques in Reading and Language Arts Instruction

Study of relationships between assessment and instruction, ways to interpret assessment data in determining student's reading and language arts capabilities. Measurement techniques and technological approaches for teaching reading and language arts are presented.

Note: Textbook required for first class session (not included in fee).

Prerequisite: Orientation or consent of instructor or program coordinator.

Required for Reading Certificate

Deborah Oler, M.S., Reading Specialist, Corona-Norco Unified School District

Credit: 3 units

Date/Time: Fri. 5-9 p.m. & Sat. 8:30 a.m.-6 p.m., Jul. 17, 18, 24, 31 & Aug. 1 (5 meetings)

Location: UCR: Extension Center, 1200 University Ave.

Fee: \$425 (includes parking)

Education X422.32

Reg #091-EDR-R04

Also of interest

Current Procedures for Teaching Reading and Language Arts

See page 41.

Reading Certificate — Biliteracy Emphasis

Reading Certificate Orientation With a Biliteracy Emphasis

Orientation for the Reading Certificate Program: Biliteracy Emphasis with an understanding of the program scope and goals, requirements, standards, and field experience(s). It is mandatory for applicants entering UC Riverside Extension's Reading Certificate Program: Biliteracy Emphasis program.

Required for Reading Certificate - Biliteracy Emphasis

Sue Teele, Ph.D., Director, Education, and Associate Dean, UC Riverside Extension

Date/Time: Thurs. 4:30-6 p.m., Jun. 18 (1 meeting)

Location: UCR: Extension Center, 1200 University Ave.

Fee: \$50 (includes parking and materials)

Education 814.5

Reg #091-EDR-R05

Resource Specialist Certificate

Do you hold a basic and special education credential and have 3 years of teaching experience?

Join a new RSP certificate program cohort.

Courses are now offered in an online hybrid format.

For further information and application e-mail Ana Maria Toma at atoma@ucx.ucr.edu or call (951) 827-1661.

CERTIFICATE PROGRAM at a glance

READING • CTC-APPROVED



Who Can Benefit

This program prepares educators to assist their students to read and write clearly, creatively, critically, skillfully and effectively.

Certificate Requirements

To earn the certificate, students must complete six academic courses and the field experience component for a total of 19 quarter units with an average grade of B or better. ♦ 19 units

Prerequisite

Current Procedures for Teaching Reading and Language Arts or its equivalent (4 units)

Required Courses

Orientation: Reading Certificate (.15 CEU)

Advanced Procedures for Teaching Reading and Comprehension and Study Strategies in Reading and Language Arts Instruction (3 units)

Comprehensive and Study Strategies in Reading and Language Arts Instruction Selection, Planning and Delivery Techniques in Reading and Language Arts Instruction (3 units)

Intervention Strategies in Reading and Language Arts Instruction (3 units)

Learning Modes and Study of Topics Related to Reading and Language Arts (3 units)

Basic Field Experience for Reading and Language Arts Instruction (4 units)

For more information, contact Ana Maria Toma at atoma@ucx.ucr.edu or Reading Coordinator at (951) 827-1675. Classes in this program are scheduled year-round with varying start dates, please see listings each quarter. For a full listing of electives, visit our Web site at www.extension.ucr.edu

CERTIFICATE PROGRAM at a glance

READING CERTIFICATE – BILITERACY EMPHASIS • CTC-APPROVED



Who Can Benefit

This program prepares educators to assist bilingual or dual-immersion students to read critically and write effectively.

Certificate Requirements

To earn the certificate, students must complete six academic courses and the field experience component for a total of 21 quarter units with an average grade of B or better. ♦ 21 units

Prerequisite

Current Procedures for Teaching Reading and Language Arts (4 units)

Required Courses

Reading Certificate Orientation With a Biliteracy Emphasis (.15 CEU)

Biliteracy Development (3 units)

Foundations of Dual Language Education (4 units)

Linking Literacy, Literature and Writing Across the Genres (4 units)

Narrative and Expository Texts in Social Studies and Science (4 units)

Learning Modes and Study of Topics Related to Reading and Language Arts (3 units)

Directed Field Experience for Reading and Language Arts Instruction (3 units)

For more information, contact Ana Maria Toma at atoma@ucx.ucr.edu or Reading Coordinator at (951) 827-1675. Classes in this program are scheduled year-round with varying start dates, please see listings each quarter. For a full listing of electives, visit our Web site at www.extension.ucr.edu

Biliteracy Development

Methods for assisting beginning readers and writers in learning both their primary and second languages. Four theoretical frameworks (sociocultural, sociopsycholinguistic, psychogenesis, and sociopolitical), and instructional practices that focus on how children learn two languages are presented.

Note: Textbook required for first class session (not included in fee).

Required for Reading Certificate - Biliteracy Emphasis

Shari T. Levy, M.A., prepares teachers in the area of explicit reading instruction for the Pomona Unified School District.

Credit: 3 units

Date/Time: Fri. 5-8:30 p.m. & Sat. 8:30 a.m.-4 p.m., July 17, 18, 31 & Aug. 1, 14, 15 (6 meetings)

Location: UCR: Extension Center, 1200 University Ave.

Fee: \$425

Education X427.3

Reg #091-EDR-R06

Reading Credential

Orientation: Reading Specialist Credential

Orientation for the Reading and Language Arts Specialist Credential with an understanding of the program scope and goals, requirements, standards, and field experience(s). It is mandatory for applicants entering UC Riverside Extension's Reading and Language Arts Specialist Credential program.

Required for Reading and Language Arts Specialist Credential

Sue Teele, Ph.D., Director, Education, and Associate Dean, UC Riverside Extension

Date/Time: Tues. 4-5:30 p.m., Jun. 23 (1 meeting)

Location: UCR: Extension Center, 1200 University Ave.

Fee: \$50 (includes parking and materials)

Education 839

Reg #091-EDR-R07

Differentiated Instruction-Meeting the Needs of All Students

Examination of how students from different socio-cultural and linguistic backgrounds learn to read. Differentiated methods that accommodate English learners and students with reading difficulties discussed. Cultural, socio-linguistic, and psychological factors that influence literacy acquisition are examined.

Note: Textbook required for first class session (not included in fee).

Prerequisite: EDUC 839, Orientation: Reading Specialist Credential; EDUC X422.40, Advanced Practices in Literacy Development and the Role of the Reading Specialist; EDUC X422.41, Research, Methodology and Assessment of Literacy Needs; EDUC X422.42, Application and Implementation of Research to Programs and Curriculum
Must hold a valid Reading Certificate.

Required for Reading and Language Arts Specialist Credential

Margaret Stevenson, M.Ed., Title I Reading Specialist
Credit: 3 units

Date/Time: Wed. 3:30 - 8:30 p.m., Jul. 1 & 9 a.m.- 1:30 p.m., Aug. 8 ; Sat. 9 a.m.- 4:30 p.m., Jul. 11 & Aug. 1; Sun. 1-4:30 p.m., Jul. 12 & Aug. 2 (6 meetings)

Location: UCR: Extension Center, 1200 University Ave.

Fee: \$520

Education X422.43

Reg #091-EDR-R08

The Reading and Language Arts Specialist's Leadership Skills and Professional Development

Examination of the roles and responsibilities of a leader in literacy programs, curriculum and instruction, and intervention decisions.

Note: Textbook required for first class session (not included in fee).

Prerequisite: EDUC 839; EDUC. X422.40, Advanced Practices; EDUC X422.41, Research, Methodology; EDUC X422.42, Application and Implementation of Research; EDUC X422.43, Differentiated Instruction-Meeting the Needs of All Students.

Required for Reading and Language Arts Specialist Credential

Sharon Meschi, M.A., Literacy Specialist, Moreno Valley Unified School District

Credit: 3 units

Date/Time: Sat. 8:30 a.m.-6:30 p.m., Aug. 15, 22, 29 (3 meetings)

Location: UCR: Extension Center, 1200 University Ave.

Fee: \$520 (includes parking)

Education X422.44

Reg #091-EDR-R09

Multiple/Single Subject/Designated Subjects

ONLINE

Advanced Study of Teaching English Learners

Advanced study of K-12 state adopted instructional programs that assist in developing English learners' academic language, comprehension and reading, writing, and listening skills. 10 hours of practicum is required.

Note: Online students: If you do not receive an e-mail with log on information within 48 hours of your enrollment, please contact Student Services. Text is required.

Assisting Teachers

The CTC-Approved Credential Reading and Language Arts Specialist

The program assists teachers in assuming leadership roles for the district in staff development, materials, program selection, and assisting teachers. The program requires completion of 19 quarter units including a clinical field experience.

Check our Web site for the most up-to-date information regarding the classes and program.

Prerequisite

CTC-Approved Reading Certificate

Courses:

Orientation: Reading Specialist Credential (.15 CEU), page 40

Advanced Practices in Literacy Development and the Role of the Reading Specialist (3 units)

Research, Methodology and Assessment of Literacy Needs (3 units)

Application and Implementation of Research to Programs and Curriculum (3 units)

For more information, contact Ana Maria Toma at atoma@ucx.ucr.edu or (951) 827-1661 or the Reading Coordinator at (951) 827-1657.



Differentiated Instruction – Meeting the Needs of All Students (3 units), page 40

The Reading and Language Arts Specialist's Leadership Skills and Professional Development (3 units), page 40

Advanced Clinical Experience in the Reading and Language Arts Specialist Credential (4 units)

Required for Fifth Year of Study/Clear Credential Program

Michael P. Mikulics, Ed.D., English Teacher Canyon Springs High School, Moreno Valley

Credit: 4 units

Date/Time: Jul. 7-Sept. 8

Location: Online

Fee: \$575 (special refund policy applies, see ad on page 36)

Preregistration: Requested by June 25.

Education X326.99

Reg #091-EDB-B09

ONLINE

Advanced Study of Health Education

Advanced study of the knowledge and skills involved in a comprehensive health education program that supports students' physical, cognitive, emotional and social well-being. Topics include nutrition, effects of alcohol and substance abuse, and personal and family health.

Note: Online students: If you do not receive an e-mail with log on information within 48 hours of your enrollment, please contact Student Services.

Required for Fifth Year of Study/Clear Credential Program

Carol Scissel, M.S., Parent Involvement Mentor Teacher, Hesperia Unified School District

Tamerin Capellino, Ph.D., Administrator and Staff Developer, Lake Elsinore Unified School District

Credit: 3 units

Scissel

Date/Time: Sat. & Sun. 8:30 a.m.-6:30 p.m., Aug. 1, 2 & 8 (3 meetings)

Location: UCR: Extension Center, 1200 University Ave.

Fee: \$455 (includes parking and materials)

Education X351.03

Reg #091-EDB-B02

Capellino

Date/Time: Aug.3-30

Location: Online

Fee: \$505 (Special refund policy applies, see ad on page 45)

Preregistration: Requested by July 27.

Education X351.03

Reg #091-EDB-B01

ONLINE

Current Procedures for Teaching Reading and Language Arts

Methods for teaching a comprehensive reading/language arts program based on literature, skill development, writing, listening and speaking activities for all levels of learners. Reading/language arts strategies, historical perspective in reading, and different reading theories are presented.

Note: Text is required. Reading/Language Arts Framework available through California Department of Education. Online students: If you do not receive an e-mail with log on information within 48 hours of your enrollment, please contact Student Services.

Required for Fifth Year of Study/Clear Credential Program Satisfies Developing English Language Skills, including Reading Requirement for Multiple/Single Subject Credential

Toni Bastian, M.A. in Reading/Language Arts, Instructor, Riverside Unified School District

Credit: 4 units

Date/Time: Jul.1-Aug.1

Location: Online

Fee: \$575 (Special refund policy applies, see ad on page 45)

Preregistration: Requested by June 24.

Education X324.3

Reg #091-EDR-R01

Credential in

CTC-Approved Fifth Year of Study/Clear

The CTC Fifth Year of Study/Clear Credential program for Single and Multiple Subject credentials requires that teachers who are eligible to enroll in a university program complete 45 units of coursework indicated on preliminary credential which includes a planned course of study that is approved in advance by the university.

For Ryan Clear Multiple or Single Subject Credentials and SB 2042 Preliminary Requirements

- **Mainstreaming**
Introduction to Children With Special Needs, EDUC X312.72 (3 units). *Online section available, page 42.*
- **Health Education**
Implementation of Health Instruction Framework for California Schools, Edu. X451.01 (previously EDUC X351.01) (2 units). *Online section available, page 42.*
- **CPR**
CPR and Basic First Aid, EDUC X351.4 (1 unit), page 42.
- **Computer Education**
Effective Use of Computer-Based Technology: An Integrated Approach for the Classroom, Level I, EDUC X147 (4 units). *Online section available, page 30.*
- **Developing English Language Skills, Including Reading**
Current Procedures for Teaching Reading and Language Arts, EDUC X324.3 (4 units). *Online section available, page 41.*
- **U.S. Constitution Examination**,
EDUC X850 (noncredit), page 42.

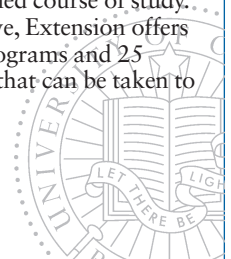
For more information, contact Ana Maria Toma, atoma@ucx.ucr.edu or (951) 827-1661.

Most classes are offered quarterly, with sections available online and face-to-face.

For SB 2042 Clear Multiple Subject or Single Subject Credentials

- **Advanced Health**
Advanced Study of Health Education, EDUC X351.03 (3 units). *Online section available, page 41.*
- **Advanced Computer Education**
Effective Use of Advanced Computer-Based Technology: An Integrated Approach to the Classroom, Level II, EDUC X148 (4 units). *Online section available, page 30.*
- **Advanced ELD**
Advanced Study of Teaching English Learners, EDUC X326.99 (4 units). *Online section available, page 40.*

Fifth Year of Study/Clear Credential program requirements include completion of a 45-quarter-unit planned course of study. In addition to the required courses listed above, Extension offers 18 CTC-approved credential or certificate programs and 25 UC Riverside Extension certificate programs that can be taken to complete the planned course of study.



ONLINE

Introduction to Children With Special Needs

Normal and abnormal human growth and development, categories of exceptionality, assessing learning and behavioral characteristics and utilizing diagnostic results in educational planning are presented. Supervised observation/ participation: 10 hours.

Note: Text is required. Online students: If you do not receive an e-mail with log on information within 48 hours of your enrollment, please contact Student Services.

Required for Fifth Year of Study/Clear Credential Program Satisfies UC Riverside "mainstreaming" requirement for Multiple/Single Subject Credentials

Kevin Mattson, M.A., Resource Specialist, has experience in both regular and special education, elementary through high school.

Credit: 3 units

Mattson

Date/Time: Aug.10-Sept. 12

Location: Online

Fee: \$505 (Special refund policy applies, see ad on page 45)

Preregistration: Requested by August 5.

Education X312.72

Reg #091-EDB-B03

Credential in

CWA for Holders of a PPS Credential

Child Welfare and Attendance Credential Program

Promote understanding and appreciation of those factors that affect the attendance of culturally diverse student populations.

Requirements include a mandatory orientation, three courses (3 units each), 150 hours of field experience and culmination portfolio for a total of 13 quarter units.

Candidates must already have a PPS Credential.



For more information, please contact Ana Maria Toma at atoma@ucx.ucr.edu or (951) 827-1661. This program is cohort-driven and is offered only once a year.

Putnam

Date/Time: Sat. & Sun. 8:30 a.m.-6:30 p.m., Jul 25 & 26, Aug. 1 (3 meetings)

Location: UCR: Extension Center, 1200 University Ave.

Fee: \$455 (includes parking)

Education X312.72

Reg #091-EDB-B04

Implementation of Health Instruction Framework for California Schools

Practical ideas for implementing the Health Instruction Framework for California schools. Topics discussed include mental health, family health, infectious diseases, nutrition, and the physiological and sociological effects of abuse of alcohol, narcotics, drugs and the use of tobacco.

Required for Fifth Year of Study/Clear Credential Program Elective for Driver Education Credential, Designated Subjects

Elective for Designated Subjects Adult Education Credential

Elective for Designated Subjects Vocational/Career Technical & Special Subjects Credential

Satisfies health education requirement for multiple/single subject credential

Carol Scissel, M.S., Parent Involvement Mentor Teacher, Hesperia Unified School District

Tamerin Capellino, Ph.D., Administrator and Staff Developer, Lake Elsinore Unified School District

Credit: 2 units

Scissel

Date/Time: Sat.-Sun. 8:30 a.m.-6:30 p.m., Jul. 11-12 (2 meetings)

Location: UCR: Extension Center, 1200 University Ave.

Fee: \$330 (includes parking and materials)

Education X451.01

Reg #091-EDB-B06

Capellino

Date/Time: Aug. 3-23

Location: Online

Fee: \$380 (Special refund policy applies, see ad on page 45)

Preregistration: Requested by July 27.

Education X451.01

Reg #091-EDB-B05

Scissel

Date/Time: Sat.-Sun. 8:30 a.m.-6:30 p.m., Aug. 29-30 (2 meetings)

Location: UCR: Extension Center, 1200 University Ave.

Fee: \$330 (includes parking and materials)

Education X451.01

Reg #091-EDB-B07

U.S. Constitution Examination

Essential elements of the United States Constitution and the meaning amendment and judicial interpretation. An examination is offered at the last class meeting.

Note: Text is required for the first class session.

Required for Fifth Year of Study/Clear Credential Program Satisfies U.S. Constitution requirement for Multiple/Single Subject and Designated Subjects Credentials

David R. Wilkerson, M.A., Senior Archivist, Defense Visual Information Center, March Air Reserve Base

Date/Time: Tues. 6-10 p.m., Jul. 21 & 28, (2 meetings)

Location: UCR: Extension Center, 1200 University Ave.

Fee: \$125 (includes parking)

Education 850

Reg #091-EDG-G02

CPR and Basic First Aid

Basic first aid training that meets standards established by the Emergency Medical Services. This course will certify teachers who became credentialed in California after September 1, 1992 with training in cardiopulmonary resuscitation (CPR).

Required for Fifth Year of Study/Clear Credential Program Satisfies CPR Requirement for Multiple/Single Subject and Designated Subjects Teaching Credentials.

Barbara Shiffermiller, B.S., Teacher, Chaffey Joint Union High School District and Emergency Medical Services (EMS) qualified CPR and First Aid Instructor

Credit: 1 unit

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

Location: UCR: Extension Center, 1200 University Ave.

Fee: \$125 (includes parking and materials)

Education X351.4

Reg #091-EDB-B08

Pupil Personnel Services Credentials

Pupil Personnel Services Credential Information

Information on the Pupil Personnel Services Credential, internship and options for applying this work toward earning a Master of Arts in School Counseling.

Sue Teele, Ph.D., Director, Education, and Associate Dean, UC Riverside Extension

Jane Rousser, M.S., coordinates the Pupil Personnel Services Program at UC Riverside Extension.

Date/Time: Mon. 4:30-6 p.m., Jun. 22 (1 meeting)

Location: UCR: Extension Center, 1200 University Ave.

Fee: \$65 (includes parking and materials)

Education 819

Reg #091-EDP-P03

ONLINE**Human Growth and Development, Theories of Learning, Part A**

Part A of a two-part series that focuses on learning theories and factors influencing learning and teaching, current research of typical and atypical student growth and development and how that affects students' learning.

Note: Text is required. Online students: If you do not receive an e-mail with log on information within 48 hours of your enrollment, please contact Student Services.

Prerequisite: EDUC X388.1, Orientation to PPS School Counseling; EDUC X388.2, Technology for Pupil Personnel Services

Required for Pupil Personnel Services Credential

Antoinette L. Kera, M.S., has degrees in school counseling and public administration.

Carole Sutton, M.S., School Counselor, Cajon Valley School District

Credit: 3 units

Date/Time: Jul. 14- Aug. 18

Location: Online

Fee: \$545 (Special refund policy applies, see ad on page 45)

Preregistration: Requested by July 7.

Education X388.3

Reg #091-EDP-P04

HYBRID**History and Practices of School Counseling**

Foundations of the school counseling profession including history, philosophy, trends and theories. State and national standards, models of comprehensive school counseling and guidance programs and the theoretical basis for K-12 counseling practices are presented.

Note: Additional 4 hours online. Textbooks required for first class session.

Required for Certificate in Advanced School Counseling: Leadership, Advocacy, Data Skills

Required for Pupil Personnel Services Credential

Tom Medina, M.A., Student Assistance Program Counselor

Credit: 2 units

Date/Time: Mon. & Thurs. 9 a.m.-5 p.m., Jun. 22 & 25 (2 meetings)

Location: UCR: Extension Center, 1200 University Ave.

Fee: \$375 (parking included)

Education X388.12

Reg #091-EDP-P05

Academic Development

Principles, programs and practices that provide opportunities for students to experience academic success. Strategies that maximize learning, and prepare students for options and opportunities after high school are presented.

Note: Textbooks are required for the first class session.

Required for Certificate in Advanced School Counseling: Leadership, Advocacy, Data Skills

Required for Pupil Personnel Services Credential

Group B Elective for Certificate in Advanced School Counseling: Interpersonal and Proactive Skills

Cherilyn Adame, M.A., High School Counselor, Colton Joint Unified School District

Credit: 3 units

Date/Time: Thurs. 5:30-8:30 p.m., Jul. 9-Sept. 10 (10 meetings)

Location: UCR: Extension Center, 1200 University Ave.

Fee: \$495

Education X388.14

Reg #091-EDP-P06

Personal and Social Development

Current theories and practices that assist successful personal and social development of students. Programs that provide opportunities for students to make decisions, set goals and achieve goals are presented.

Note: Textbooks required for first class meeting.

Prerequisite: EDUC X388.13, Guidance Instruction and Advocacy; EDUC X388.18, Group Counseling and Facilitation; EDUC X388.22, Research Design, Evaluation and Technology in School Counseling

Required for Certificate in Advanced School Counseling: Leadership, Advocacy, Data Skills

Required for Pupil Personnel Services Credential

Required for Certificate in Advanced School Counseling: Interpersonal and Proactive Skills

Sylvester Pues, M.A., a teacher, administrator, college instructor, lecturer, author and consultant.

Credit: 3 units

Date/Time: Sat. 8:30 a.m.-5 p.m., Jul. 11-Aug. 1 (4 meetings)

Location: UCR: Extension Center, 1200 University Ave.

Fee: \$495 (parking included)

Education X388.16

Reg #091-EDP-P07

Professionalism, Ethics and Legal Mandates in School Counseling

Discussion of legal mandates that impact school counselors and pupils. Ethical standards and practices of the school counseling profession and how to apply these ethical standards to specific counseling situations are presented.

Note: Textbooks required for first class meeting.

Required for Pupil Personnel Services Credential

Required for Certificate in School Administration - Emphasis on Student Services

Required for Certificate in Advanced School Counseling: Interpersonal and Proactive Skills

Erika Munoz, M.S., School Counselor

Credit: 1 unit

Date/Time: Fri. 5-9 p.m. & Sat. 9 a.m.-4 p.m., Jun. 26 & 27 (2 meetings)

Location: UCR: Extension Center, 1200 University Ave.

Fee: \$180 (includes parking)

Education X388.21

Reg #091-EDP-P08

Research Design, Evaluation and Technology in School Counseling

Basic principles of research design, action research, and analysis of qualitative and quantitative research in school counseling. Discussion of measurement and statistics appropriate for conducting evaluations of student outcomes. Ways to utilize technology are presented.

Note: Textbooks required for first class meeting.

Prerequisite: Acceptance into the PPS Credential Specialization and checkpoint meeting with the PPS program coordinator.

Required for Certificate in Advanced School Counseling: Leadership, Advocacy, Data Skills

Required for Pupil Personnel Services Credential

Robert Ferrett, Ph.D., former Director, Educational Accountability, Riverside Unified School District

Credit: 2 units

Date/Time: Sat. 9 a.m.-3 p.m., Aug. 29-Sept. 26 (no meeting Sept. 5) (4 meetings)

Location: UCR: Extension Center, 1200 University Ave.

Fee: \$375 (includes parking)

Education X388.22

Reg #091-EDP-P09

Child Welfare and Attendance Credential**Orientation to Child Welfare and Attendance Credential**

Overview of the Child Welfare and Attendance Credential program. Discussion includes components of the program that provide sequential skill development, instructional and administrative components of the program and program evaluation.

Required for Child Welfare and Attendance Credential

Kenneth Schmidt, M.Ed., Child Welfare and Attendance Coordinator, Moreno Valley Unified School District

Date/Time: Sat. 9-10:30 a.m., Jun. 20 (1 meeting)

Location: UCR: Extension Center, 1200 University Ave.

Fee: \$50 (includes materials and parking)

Education 818

Reg #091-EDP-P14

Supplementary Authorization in Mathematics

The Commission on Teacher Credentialing accepts the courses listed below toward a Supplementary Authorization in Mathematics. A minimum of 16 upper-division quarter units must be completed in sections 1, 2, 3 and/or 4 with a grade of C or better. Coursework may be applied towards the 48 unit requirement for the Introduction Subject Matter Authorization. Supplementary Authorizations may be added to a valid Multiple Subject/Single Subject, Standard Elementary or Standard Secondary Teaching Credential may add the subject of "Introductory Mathematics" to his or her credential and will be authorized to teach departmentalized classes in math to grades 9 and below.

1. Introduction to Mathematics or Developing the Real Number System (4 units required)

MATH X432, Strategies for Effective Mathematics Instruction (4 units),
or

MATH X405, Developing the Real Number System (4 units)

2. Algebra

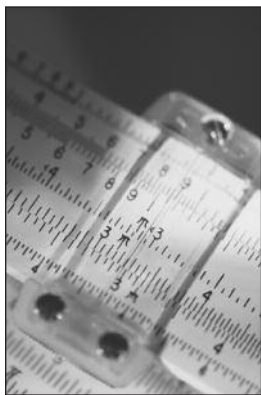
MATH X409, College Algebra (4 units)

3. Geometry

* MATH X415.1, Fundamental Concepts of Geometry, Part I (4 units)

4. Trigonometry or 4 extra units from Category 1

MATH X428.5, Trigonometry and Problem Solving (4 units)



* Offered at this time.

Contact Lavonne Patterson at (951) 827-1658 or Annette Webb at (951) 827-1653 or mathscience@ucx.ucr.edu. For questions related to credentialing, call (951) 827-1661.

Introductory Subject Matter Authorization in Mathematics (NCLB Compliance)

Introductory Subject Matter Authorizations may be added to a Single Subject, Multiple Subject, Standard Elementary, Standard Secondary, and Special Secondary Teaching Credential and authorize the holder to teach mathematics in grades 9 and below.

To earn the Introductory Subject Matter Authorization, individuals must complete the requirements for the Supplementary Authorization (16 quarter units) and all courses in the content areas below (Introduction to Mathematics or Developing Real Number Systems, Algebra, Advanced Algebra, Geometry, Probability and Statistics) for a total of 48 nonremedial collegiate quarter units. The Supplementary Authorization courses do not have to all be completed first, i.e., you can complete all algebra courses, then all geometry courses, etc. A minimum of 4 quarter units must be completed in each area.

1. Introduction to Mathematics or Developing the Real Number System

* MATH X405.B, Developing the Real Number System, Part B (4 units)
MATH X409.16, Using Technology in Teaching Mathematics (4 units)

2. Algebra and Advanced Algebra

MATH X409.1, Linear Algebra for Middle School, Grades 6-8 (4 units)
* MATH X409.2, Non-Linear Algebra for Middle School, Grades 7-9 (4 units)
MATH X409.3, Advanced Algebra (4 units)

3. Geometry

* MATH X415.2, Fundamental Concepts of Geometry, Part II (4 units)

4. Probability and Statistics

* MATH X429.A, Probability and Statistics, Part A (4 units)
MATH X429.B, Probability and Statistics, Part B (4 units)

Authorizations in Mathematics

ONLINE

Fundamental Concepts of Geometry, Part I

Introduction to Euclidean and Non-Euclidean geometric concepts including angles, area, volume, polygons, quadrilaterals, parallels, polyhedras, tessellations and circles. Problem-solving, critical thinking, logic and reasoning skills are presented.

Note: Textbook required.

Required for Introductory Subject Matter Authorization in Mathematics

Elective for Certificate in Mathematics for Educators

Tinka Davis, Instructor in mathematics, UC Riverside Extension and Wichita State University

Credit: 4 units

Date/Time: June 1 - June 29

Location: Online

Fee: \$545

Preregistration: Requested by May 25.

Mathematics X415.1

Reg #084-EDC-C03

ONLINE

Probability and Statistics, Part A

Introductory course in probability and statistics that examines collecting, organizing and summarizing data for drawing valid conclusions and discusses patterns, correlation, regression, and random variables and simulations.

Required for Introductory Subject Matter Authorization in Mathematics

Tinka Davis, Instructor in mathematics, UC Riverside Extension and Wichita State University

Credit: 4 units

Date/Time: Jun. 24 - Jul. 22

Location: Online

Fee: \$495

Preregistration: Requested by June 17.

Mathematics X429.A

Reg #091-EDC-C10

Developing the Real Number System, Part B

Review of basic concepts of the real number system and fundamentals of relationship between expressions, equations, inequalities and graphs needed for understanding algebraic concepts.

Required for Introductory Subject Matter Authorization in Mathematics

Elective for Certificate in Mathematics for Educators

Elaine Hardcastle Woolsey, M.S., Mathematics Coach, Moreno Valley Unified School District

Credit: 4 units



Date/Time: Mon.-Fri. 8 a.m.- 4 p.m., Jul. 6-10
(5 meetings)

Location: UCR: Extension Center, 1200 University Ave.

Fee: \$495

Mathematics X405.B

Reg #091-EDC-C09

ONLINE

Fundamental Concepts of Geometry, Part II

Euclidean and non-Euclidean geometric concepts including polygon relationships, patterns of polygons (tessellations), measurement (length, area and volume), motions, magnification and similarity, topology and number patterns.

Required for Introductory Subject Matter Authorization in Mathematics

Elective for Certificate in Mathematics for Educators

Tinka Davis, Instructor in mathematics, UC Riverside Extension and Wichita State University

Credit: 4 units

Date/Time: Jul. 15 - Aug. 15.

Location: Online

Fee: \$545

Preregistration: Requested by July 8.

Mathematics X415.2

Reg #091-EDC-C11

Strategies for Effective Mathematics Instruction

Mathematics content and active learning approaches that relate to the California Mathematics Framework and academic content standards and demonstrates integrating teaching strategies with other subject areas and real-life applications.

Required for Introductory Subject Matter Authorization in Mathematics

Required for Certificate in Mathematics for Educators

Tiffany Zick, B.A., Math Coach, Moreno Valley Unified School District

Credit: 4 units

Date/Time: Thurs., Fri. & Sat. 8:30 a.m.-5:30 p.m., July 23, 24, 25, 30 & 31 (5 meetings)

Location: UCR: Extension Center, 1200 University Ave.

Fee: \$495

Mathematics X432

Reg #091-EDC-C08

ONLINE

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

Advanced algebraic concepts appropriate for 7-12 grade classrooms. Topics include: fractional exponents of positive numbers, operations on polynomials, functions and inverse functions, inverse proportion, square and square roots, and quadratic polynomials.

Required for Introductory Subject Matter Authorization in Mathematics

Elective for Certificate in Mathematics for Educators

Tinka Davis, Instructor in mathematics, UC Riverside Extension and Wichita State University

Credit: 4 units

Date/Time: Aug. 11 - Sept. 8

Location: Online

Fee: \$545

Preregistration: Requested by August 4.

Mathematics X409.2

Reg #091-EDC-C12

Authorizations in Science

Chemistry II: Structure of Matter and Chemical Bonding

Fundamental concepts of the structure of matter and chemical bonding including energy and matter, atomic structure, the periodic table, groups of elements, chemical formulas and bonding, chemical reactions and equations, the mole and stoichiometry.

Prerequisite: CHEM X420.A, Chemistry I: Introduction to Chemistry, or equivalent.

Required for Supplementary Authorization in Science

Required for Introductory Subject Matter Authorization in Science

Samantha Gregory, Ph.D., Physical Science Teacher, Fontana Unified School District

Credit: 3 units

Date/Time: Sat. 8 a.m.-6 p.m., Jun. 6-20 (3 meetings)

Location: UCR: Extension Center, 1200 University Ave.

Fee: \$445 (includes parking)

Chemistry X420.B

Reg #084-EDC-C12

Concepts of Physics: Mechanics

Fundamental concepts of mechanics including experimentation and investigation; motion in one and two dimensions; forces; the law of motion; work; energy; momentum and collisions; rotational motion; the law of gravity; rotational equilibrium; dynamics; and fluid mechanics.

Required for Introductory Subject Matter Authorization in Science

Elective for Certificate in Science for Educators

Samantha Gregory, Ph.D., Physical Science Teacher, Fontana Unified School District

Credit: 3 units

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

Location: UCR: Extension Center, 1200 University Ave.

Fee: \$445 (includes parking)

Physics X412.B

Reg #091-EDC-C22

Introduction to Science

Introduction to science with applications for teaching chemistry, geoscience, physics and biological science. Instruction for implementing science content standards, investigations and experimentation, safety, and strategies appropriate to different ways students learn are presented.

Required for Supplementary Authorization in Science

Required for Introductory Subject Matter Authorization in Science

Elective for Certificate in Education for the Gifted and Talented

Tracy J. Lawrence, M.S., Science Teacher, Martin Luther King High School, Riverside Unified School District

Credit: 4 units

Date/Time: Mon.-Fri. 8 a.m.-5 p.m., Jul. 13-17 (5 meetings)

Location: UCR: Extension Center, 1200 University Ave.

Fee: \$495 (includes parking)

General Science X403

Reg #091-EDC-C26

HYBRID

Principles of Geology for Educators

Principles of geology including earth materials, landforms, resources, plate tectonics, fossils, earth history, structure and field localities. Participants will explore a geological site and gain hands-on field experience in geology.

Note: Hybrid- Class meets face-to-face on 7/6 and 7/7, then online 7/8-7/23 and field trip on 7/24.

Required for Supplementary Authorization in Science

Required for Introductory Subject Matter Authorization in Science

Elective for Certificate in Science for Educators

Mark Harold, Science Teacher, Rialto Unified School District

Credit: 4 units

Date/Time: Mon., Tues. & Fri. 8 a.m.-5 p.m., July 6, 7 & 24 (3 meetings)

Location: UCR: Extension Center, 1200 University Ave.

Fee: \$495 (includes parking)

Geosciences X480

Reg #091-EDC-C29

Special Refund Policy

A full refund for online and hybrid courses will be issued only if received in writing prior to the preregistration date of the course. Refund requests received after that date will be granted on a case-by-case basis and all will be assessed a \$50 drop fee. No refunds will be granted on or after the start date of the course.

Credential in Authorizations in Science

Supplementary Authorization in Introductory Science

The California Commission on Teacher Credentialing accepts the courses listed below toward a Supplementary Authorization in Introductory Science. All five areas must be completed, totaling at least 22 upper-division quarter units and may be applied towards the 48 quarter unit requirement for the Introductory Subject Matter Authorization in Science.

Upon completion of the courses with a grade of C or better, the holder of a Multiple Subject/Single Subject or Standard Elementary or Standard Secondary Teaching Credential may add the subject of "Introductory Science" to his or her credential and will be authorized to teach departmentalized classes in general science to grades 9 and below.

1. Introduction to Science

- * GSCI X403, Introduction to Science (4 units)

2. Chemistry

CHEM X420.A, Chemistry I: Introduction to Chemistry (2 units)

CHEM X420.B, Chemistry II: Structure of Matter and Chemical Bonding (3 units)

3. Biological Sciences

- * BIOL X450, Biological Sciences and Lab (3 units)

BIOL X451, Topics in Biological Sciences (2 units)

4. Geoscience

- * GEO X480, Principles of Geology for Educators (4 units)

5. Physics

PHYS X412.A, Introduction to Concepts of Physics (4 units)



* Offered at this time.

For more information, contact Annette Webb at (951) 827-1653 or mathscience@ucx.ucr.edu. For questions related to credentialing, call (951) 827-1661.

Introductory Subject Matter Authorization in Science (NCLB Compliance)

Introductory Subject Matter Authorizations may be added to a Single Subject, Multiple Subject, Standard Elementary, Standard Secondary, and Special Secondary Teaching Credential and authorize the holder to teach introductory science in grades 9 and below.

To earn the Introductory Subject Matter Authorization, individuals must complete the requirements for the Supplementary Authorization and all courses in the content areas of Biological Sciences, Chemistry, Geosciences and Physics with a grade C or better for a total of 48 nonremedial collegiate quarter units. The Supplementary Authorization courses do not have to all be completed first. A minimum of eight quarter units in each science area (combining both authorizations) is required.

1. Introduction to Science

- * GSCI X403, Introduction to Science (4 units)

2. Chemistry

CHEM X420.A, Chemistry I: Introduction to Chemistry (2 units)

- * CHEM X420.B, Chemistry II: Structure of Matter and Chemical Bonding (3 units)

3. Biological Sciences

- * BIOL X450, Biological Sciences and Lab (3 units)

BIOL X451, Topics in Biological Sciences (2 units)

4. Geoscience

- * GEO X480, Principles of Geology for Educators (4 units)

5. Physics

PHYS X412.A, Introduction to Concepts of Physics (4 units)

Biological Sciences and Lab

Demonstration and labs in biological sciences and basic elements of cell and population biology, anatomy and physiology. Topics include: structure and function, endocrinology and physiological mechanisms, electron microscopy, waste, the senses, movement, growth, reproduction and genetic engineering.

Required for Certificate in Science for Educators

Required for Supplementary Authorization in Science

Required for Introductory Subject Matter Authorization in Science

David R. Ficke, B.S., Science Teacher, Upland High School

Credit: 3 units

Date/Time: Thurs.-Sat. 8 a.m.-6 p.m., Jul. 30-Aug. 1 (3 meetings)

Location: UCR: Extension Center, 1200 University Ave.

Fee: \$445 (includes parking)

Biology X450

Reg #091-EDC-C23

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

Fundamental concepts of the states of matter, chemical reaction, and nuclear chemistry. Topics include gases, liquids and solids, solutions, salts, reactions of acids and bases, oxidation and reduction, electrochemistry, and applications of nuclear chemistry.

Prerequisite: CHEM X420.A, Chemistry I: Introduction to Chemistry, or equivalent.

Required for Introductory Subject Matter Authorization in Science

Samantha Gregory, Ph.D., Physical Science Teacher, Fontana Unified School District

Credit: 3 units

Date/Time: Sat. 8 a.m.-6 p.m., Aug. 1-15 (3 meetings)

Location: UCR: Extension Center, 1200 University Ave.

Fee: \$445

Chemistry X420.C

Reg #091-EDC-C25

Environmental Science and Ecology for Educators

Scientific principles, concepts and methodologies that demonstrate the interrelationships of the natural world. Environmental problems, the risks associated with these problems, and alternative solutions for resolving and/or preventing them are presented.

Required for Introductory Subject Matter Authorization in Science

Elective for Certificate in Science for Educators

David R. Ficke, B.S., Science Teacher, Upland High School

Credit: 3 units

Date/Time: Sat. 8 a.m.-6 p.m., Aug. 22-Sept. 12 (no meeting Sept. 5) (3 meetings)

Location: UCR: Extension Center, 1200 University Ave.

Fee: \$445 (includes parking)

Environmental Science X475

Reg #091-EDC-C24



Department Contacts:

Dr. Sue Teele

Associate Dean and Director
Education Extension
(951) 827-1663

To Enroll: See page 92.

Education

Certificates in:

Accreditation

Advanced Placement

Advanced School Counseling

Chief Business Officials

College Admissions Counseling

Conflict Resolution for Educators

Educational Facilities Planning

Educational Therapy

Exemplary Teaching and Instructional Leadership

Instructional Aide

Response to Intervention

Contact: Mary Ellen Gruendyke
(951) 827-1665
mgruendyke@ucx.ucr.edu

Certificates in:

Biliteracy Specialist/Dual Language

Educational Technology

Inquiry-Based Learning

Multiple Intelligences

Science for Educators

Science/Math Mentor Teacher/Coach

Contact: Annette Webb
(951) 827-1653
mathscience@ucx.ucr.edu

Certificates in:

Child Development Permits

Early Childhood Studies

Parenting and Communication Skills

Riverside County REFLECTIONS

San Bernardino County CARES and CONNECTIONS

Contact: Dr. Margi Wild
(951) 827-5995 or
Jennifer Andrew
(951) 827-1662
ecfs@ucx.ucr.edu

Certificates in:

Teaching English to Speakers of Other Languages

Contact: Stacy Sweeney
(951) 827-1701
tesol@ucx.ucr.edu

Gifted and Talented Education (GATE)

Contact: Eileen Johnson
(951) 827-1655
gate@ucx.ucr.edu

Certificates in:

Language Arts and Writing

Visual and Performing Arts

Mathematics for Educators

LaVonne Patterson
(951) 827-1658
mathscience@ucx.ucr.edu

Education Credentials

Credentials and Certificates in:

Designated Subjects

Adult Education

Vocational/Career Technical Education

Special Subjects

Aviation Flight Instructor

Basic Military Drill

Driver Education and Training

ROTC

Pupil Personnel Services – School Counseling Emphasis

Child Welfare and Attendance Emphasis

Fifth Year of Study/Clear Credential

Multiple/Single Subject

Resource Specialist

Credential-Related Certificates

School Administration – Student Services Emphasis

School Counseling – Interpersonal and Proactive Skills

School Counseling – Leadership and Advocacy, Data and Accountability Skills

Contact: Ana Maria Toma
(951) 827-1661
atoma@ucx.ucr.edu

Credentials and Certificates in:

Reading Certificate

Reading Certificate – Biliteracy Emphasis Reading and Language Arts Specialist Credential

Contact: Reading Coordinator
(951) 827-1657

Contact: Ana Maria Toma
(951) 827-1661
atoma@ucx.ucr.edu

Supplementary and Introductory Authorizations in:

Supplementary Authorization in Computer Concepts and Applications

Supplementary and Introductory Authorizations in Mathematics

Supplementary and Introductory Authorizations in Science

Contact: Annette Webb
(951) 827-1653 or
LaVonne Patterson
(951) 827-1658
mathscience@ucx.ucr.edu

Certificates in:

CLAD Through CTEL

Contact: Donna Saldin
(951) 827-1669
dsaldin@ucx.ucr.edu

Children & Youth Enrichment

Contact: Eileen Johnson
(951) 827-1655
gate@ucx.ucr.edu