

SEC. #	DAY(S)	TIME	INSTRUCTOR	ROOM	SEC. #	DAY(S)	TIME	INSTRUCTOR	ROOM
--------	--------	------	------------	------	--------	--------	------	------------	------

CHEMISTRY, CONTINUED**CHEM 120
INTRODUCTION TO CHEMISTRY**

5 Units/Prerequisite: MATH 070 with a grade of "C" or better or appropriate assessment.

Advisory: ENGL 035 or ESL 198 or appropriate assessment and READ 023 or appropriate assessment.

Transfers to: UC (credit limit*), CSU; (*The UC will grant credit for only one of the following courses: CHEM 110 or CHEM 120)

This one-semester course is designed for students intending to major in science or engineering. The course primarily prepares students for Chemistry 130; additionally, it fulfills the general education requirement in the physical sciences. This course introduces the fundamental principles of general chemistry, with emphasis on chemical nomenclature and quantitative problems in chemistry. The lecture presents classical and modern chemistry including atomic theory, periodic properties, chemical bonding, chemical reactions, stoichiometry, acids and bases, gas laws and solutions. The laboratory introduces the techniques of experimental chemistry with examples from all areas of chemistry.

0927	TTh(Lec)	9:40-11:05 AM	KOUTROULIS M	RmS333
	&T(Dis)	11:15 AM-12:20 PM	KOUTROULIS M	Rm S229
	&Th(Lab)	11:15 AM-2:25 PM	LEUNG A	Rm S331
1063	TTh(Lec)	9:40-11:05 AM	KOUTROULIS M	Rm S333
	&T(Lab)	11:15 AM-2:25 PM	LEUNG A	Rm S331
	&Th(Dis)	11:15 AM-12:20 PM	KOUTROULIS M	Rm S229
★ 0928	TTh(Lec)	5:25-6:50pm	STAFF	RmS326
	T(Dis)	7:00-8:05pm	STAFF	RmS326
	Th(Lab)	7:00-10:10pm	STAFF	RmS331

**CHEM 130
GENERAL CHEMISTRY**

5 Units/Prerequisite: CHEM 120 with a grade of "C" or better.

Advisory: MATH 175 or appropriate assessment and READ 023 or appropriate assessment and ENGL 101.

Transfers to: UC, CSU

Chemistry 130 is the first semester of a two semester sequence designed for students intending to major in science and engineering. The lecture course covers classical/modern chemistry, with applications, in stoichiometry and classical atomic theory of chemistry, periodic properties, gas laws, modern quantum theory of atomic and molecular structure and periodic properties, thermochemistry, liquids and solids, solution chemistry. The laboratory introduces experimental chemistry with examples from all areas of chemistry.

1067	MW(Lec)	8:10-9:35 AM	LEUNG A	Rm S333
	& MW(Dis/Lab)	9:40 AM-12:50 PM	LEUNG A	Rm S331/ S229
1068	MW(Lec)	8:10-9:35 AM	LEUNG A	Rm S333
	&MW(Dis/Lab)	1:30-4:40 PM	LEUNG A	Rm S331/ S229

**CHEM 131
GENERAL CHEMISTRY**

3 Units/Prerequisite: CHEM 130 with a grade of "C" or better.

Advisory: MATH 180 or appropriate assessment and READ 023 or appropriate assessment and ENGL 101.

Transfers to: UC, CSU

CHEM 131 is a continuation of CHEM 130. Theory and techniques of elementary physical chemistry are stressed. Emphasis is placed on the dynamics of chemical change using thermodynamics and reaction kinetics as the major tools. A thorough treatment of equilibrium is given, with many examples of solubility, acid-base, and redox equilibria, including electrochemical concepts. Brief introductions to organic and nuclear chemistry are presented. Various analytical techniques used in modern chemistry are introduced. Descriptive chemistry of representative metallic and nonmetallic elements is included.

0133	MW	8:05-9:30 AM	HUANG I	Rm S326
------	----	--------------	---------	---------

**CHEM 131L
GENERAL CHEMISTRY**

2 Units/Prerequisite: Enrollment concurrent with CHEM 131 or within one calendar year of completion of CHEM 131.

Advisory: READ 023 or appropriate assessment; ENGL 101.

Transfers to: UC, CSU

This laboratory course is designed to be taken concurrently with CHEM 131. Experiments are used that show the relationship between experimental measurement and chemical theory and may include exercises on kinetics, equilibrium, electrochemistry, basic nuclear and organic chemistry, acid-base theory, and qualitative analysis. Modern instrumental methods are used in some exercises. Experiments are designed to encourage and require the student to do some preparing prior to the laboratory period. Quantitative thinking and procedures are introduced early and emphasized throughout the course.

0130	MW	9:40 AM-12:50 PM	HUANG I	Rm S325
------	----	------------------	---------	---------

**CHEM 230
ORGANIC CHEMISTRY I**

5 Units/Prerequisite: CHEM 131 and 131L with a grade of "C" or better.

Transfers to: UC, CSU

This course, the first of a two-semester sequence, provides a rigorous introduction to the practical and theoretical aspects of organic chemistry. Several topics will be explored in depth, including molecular structure and hybridization, applications of acid/base theory to organic compounds, stereochemistry, alkanes, alkenes, alkynes, dienes, substitution and elimination reactions, and spectroscopic methods of analysis (e.g. IR, UV/VIS, NMR). Particular emphasis will be placed on thermodynamic and kinetic aspects of reactions and detailed examination of reaction mechanisms. Laboratory exercises are designed to provide students with a solid foundation in the essential techniques of organic chemistry, including the determination of melting points, thin-layer and column chromatography, extraction, distillation, and spectroscopic analysis of products. This course is appropriate for students majoring in chemistry, biological sciences, and chemical engineering, and satisfies the admissions requirements for medical, dental, veterinary, and other health-related graduate programs.

This class is web-enhanced.

0303	MW(Lec)	11:15 AM-12:40 PM	KOUTROULIS M	Rm S333
	&MW(Lab)	1:00-4:10 PM	KOUTROULIS M	Rm S325

299 DIRECTED STUDY

1-3 Units

SEE description in GENERAL INFORMATION
Times to be Arranged STAFF

CHICANO STUDIES

DIVISION OF SOCIAL SCIENCE, HUMANITIES & PHILOSOPHY

**CHST 101
INTRODUCTION TO CHICANO STUDIES**

3 Units/Advisory: READ 023 or appropriate assessment; ENGL 035 or ESL 198 or appropriate assessment.

Transfers to: UC, CSU

This is an introductory course that examines the historical and contemporary experiences of Chicanos in American society. Topics include the formation of Chicano identity, the Chicano Movement, and current government policies affecting this group. Students interested in this course may include individuals with familial or personal connections to the Chicano (Mexican-American) community and/or those intending to work in environments with high concentrations of this population.

1005	MW	11:15 AM-12:40 PM	MORA J	Rm S201
★0049	W	7:00-10:10 PM	MORA J	Rm S334

**CHST 148
LA CHICANA: THE CONTEMPORARY MEXICAN-AMERICAN FEMALE**

3 Units/Advisory: READ 023 or appropriate assessment; ENGL 035 or ESL 198 or appropriate assessment.

Transfers to: UC, CSU

The introductory course will examine the ethnic identity formation of the Mexican-American woman. The students will analyze the employment, education, religious, family, historical and cultural influences present in the lives of Mexican-American females. This course is appropriate for students interested in furthering their understanding of the social construction of the Mexican-American woman.

0828	MW	9:40-11:05 AM	MORA J	Rm S201
------	----	---------------	--------	---------

★ = Evening

☞ = Online/Hybrid Classes

Important Notice About Grades!
Students can access semester grades in the following way:

- Touchtone telephone system
- College website to access grades online at:
RIOWEB.riohondo.edu

SEC. #	DAY(S)	TIME	INSTRUCTOR	ROOM	SEC. #	DAY(S)	TIME	INSTRUCTOR	ROOM
--------	--------	------	------------	------	--------	--------	------	------------	------

CHICANO STUDIES, CONTINUED

CHST 150

CHICANO POLITICS

3 Units/Advisory: ENGL 035 or ESL 198 or appropriate assessment, READ 023 appropriate assessment.

Transfers to: UC, CSU

This course examines U.S. history and political issues relevant to the Chicano/Latino community, provides an overview of Chicano/Latino demographics in the U.S., examines Chicano/Latino political activism and the rise of Chicano/Latino political leadership. This is an entry level course serving as an elective for both the Political Science and Chicano Studies majors.

0829 TTh 11:15 AM-12:40 PM MORA J Rm S201

Section # 0829 is the same as POLYS 150 #0829

CHILD DEVELOPMENT

DIVISION OF SOCIAL SCIENCE, HUMANITIES & PHILOSOPHY

CD 102

NUTRITION, HEALTH AND SAFETY FOR CHILDREN

3 Units/Advisory: ENGL 035 or ESL 198 or appropriate assessment, READ 023 or appropriate assessment.

Transfers to: CSU

This course is designed for students interested in working in group care and educational programs that enroll children from infancy to early adolescence. The course focuses on preventive health and safety practices in group care environments. Topics include prevention and recognition of infectious disease, immunization, dental health, child nutrition, menu planning, sanitary food handling, prevention of injury, emergency preparedness and evacuation, providing services for children with special needs and child abuse prevention, identification and reporting responsibilities. This course meets the California Commission on Teacher Credentialing requirements for the Child Development Permit and the Department of Social Services Classification Indicator DS7.

0815 MW 12:50-2:15 PM KEPNER P Rm S220

ONLINE COURSE ACCESS: ONLINE.RIOHONDO.EDU/LOGIN

THE FOLLOWING SECTION MEETS OCTOBER 5-DECEMBER 12, 2009

8190 24HRS/7DAYS MOE S INTERNET

Important information-pp 13-14. Instructors email: smoe@riohondo.edu

CD 106

CHILD GROWTH AND DEVELOPMENT

3 Units/Advisory: READ 023 or appropriate assessment; ENGL 035 or ESL 198 or appropriate assessment.

Transfers to: UC (credit limit *), CSU (*Students will receive credit from UC for only one of the following courses: CD 106 or PSY 112)

This course provides an overview of human growth from conception to adolescence. The theories of development relevant to life through the teenage years are introduced and the social, emotional, cognitive and physical aspects of these early stages of life are addressed. This course is appropriate for students preparing for a profession working with children and their families or those interested in furthering their understanding of child and adolescent development. This course is also designed to meet the Department of Social Service Classification DS1 and applies toward the State of California Title V requirement for the Child Development Permit.

0272 MW 6:30-7:55 AM LYNCH K Rm A208

1188 TTh 8:05-9:30 AM KEPNER P Rm S220

1200 MW 11:15 AM-12:40 PM KEPNER P Rm S220

0018 W 3:45-6:55 PM MOE S Rm A208

★ 0812 Th 7:00-10:10 PM MOE S Rm A208

ONLINE COURSE ACCESS: ONLINE.RIOHONDO.EDU/LOGIN

8096 24HRS/7DAYS SIGALA C INTERNET

8056 24HRS/7DAYS SIGALA C INTERNET

Important information-pp 13-14. Instructors email: csigala@riohondo.edu

THE FOLLOWING SECTION MEETS OCTOBER 5-DECEMBER 12, 2009

8149 24HRS/7DAYS MOE S INTERNET

Important information-pp 13-14. Instructors email: smoe@riohondo.edu

CD 110

PRINCIPLES AND PRACTICES OF EARLY CHILDHOOD EDUCATION

3 Units/Advisory: ENGL 035 or ESL 198 or appropriate assessment, READ 023 or appropriate assessment.

Transfers to: CSU

This course is a survey of educational programs for children from birth to age eight, the implementation of those programs and their historical foundations. Emphasis is placed on facilitating and supporting child learning utilizing the essential elements of Early Childhood Education. Topics include developmental theories and characteristics, the importance of play, promotion of appropriate social behavior and the family and community contexts of learning and development. This course is directed towards prospective administrators, teachers, aides, and school-age caregivers planning careers in private for-profit or funded programs. This course is also designed to meet the State of California Title 22 Department of Social Service Classification Indicator DS3 and applies toward the State of California Title V requirements for the Child Development Permit.

1193 MW 8:05-9:30 AM KEPNER P Rm S220

0293 MW 12:50-2:15 PM SIGALA C Rm A208

★ 0208 M 7:00-10:10 PM CAMPBELL F Rm S220

ONLINE COURSE ACCESS: ONLINE.RIOHONDO.EDU/LOGIN

8042 24HRS/7DAYS SIGALA C INTERNET

Important information-pp 13-14. Instructors email: csigala@riohondo.edu

THE FOLLOWING SECTION MEETS OCTOBER 5 – DECEMBER 12, 2009

8151 24HRS/7DAYS SIGALA C INTERNET

Important information-pp 13-14. Instructors email: csigala@riohondo.edu

CD 111

EARLY CHILDHOOD EDUCATION CURRICULUM

3 Units/Advisory: ENGL 035 or ESL 198 or appropriate assessment and READ 023 or appropriate assessment.

Transfers to: CSU

This introductory course presents current concepts in childhood curriculum development and implementation. Emphasis is placed on developmentally appropriate curricular practices that consider age, individual needs, language and culture. The student will develop various curricular elements and assess it appropriateness in meeting diverse needs, varying levels of functioning and individual child interests. This course is meant for students who plan to create and implement children's educational programs. This course is also designed to meet the State of California Title 22 Department of Social Service Classification Indicator DS3 and applies toward the State of California Title V requirements for the Child Development Permit.

1002 MW 9:40-11:05 AM KEPNER P Rm S220

0260 TTh 11:15 AM-12:40 PM KEPNER P Rm S220

★ 1813 W 7:00-10:10 PM MEDINA C Rm S220

CD 115

CREATIVE ART EXPERIENCES FOR CHILDREN

3 Units/Advisory: READ 022 or appropriate assessment, ENGL 030 or ESL 197 or appropriate assessment.

Transfers to: CSU

This course provides a comprehensive study of creativity and its impact on child development. A developmental perspective will be utilized as students explore creative art and its impact on the whole child, the artistic development process, aesthetics, the elements of art, specific art program approaches, artistic styles, facilitating and supporting creative art experiences for children, art assessment techniques and specific art experiences. This course is appropriate for students interested in working with children in group care and educational environments. Applies towards the State of California Title 22 Department of Social Services Classification Indicator DS 3 and State of California Teacher Credentialing requirements for the Child Development Permit.

0096 MW 9:40-11:05 AM SIGALA C Rm A208

CD 118

DEVELOPMENT OF SCIENCE AND MATH EXPERIENCES

3 Units/Advisory: ENGL 030 or ESL 197 or appropriate assessment, READ 022 or appropriate assessment.

Transfers to: CSU

This course provides a framework from which to explore the theories, philosophies, principles, and implementation of science and math experiences for children from birth to early adolescence. Emphasis is placed upon theoretical and developmental foundations with practical application in the form of developmentally appropriate activities for use in the school and the child care center. This course is targeted for students preparing for a career in teaching children. This course meets State of California Teacher Credentialing requirements for the Child Development Permit and Department of Social Services Classification Indicator DS3.

0822 TTh 11:15 AM-12:40 PM LYNCH K Rm A208