

SEC. #	DAY(S)	TIME	INSTRUCTOR	ROOM
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**AUTOMOTIVE TECHNOLOGY, CONTINUED**

**TCED 044**

**OSHA WORKPLACE SAFETY**

1 Units/Advisory: *READ 023 or appropriate assessment*

This course is intended for the individual who needs an overview and/or certification of both the California and the rules and regulations, and discuss fire protection and prevention, material handling/storage/use and disposal, hand and power tools, welding and cutting, electrical safety, and fall protection. Upon completion of this course, (as well as passing the final exam), the student will receive a 10 hour OSHA Training Certificate of completion, which is good for life.

**THE FOLLOWING SECTION WILL MEET AUGUST 24-SEPTEMBER 28, 2009**

★ 1017	M	6:00-9:20 PM	ALTON K	Rm T120
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**TCED 054**

**OSHA WORKPLACE SAFETY II**

2 Units/Advisory: *READ 023 or appropriate assessment*

This course is intended for the individual who needs an intermediate-level overview and/or the additional number of hours required for certification of both the California and Federal OSHA Safety Regulations for the General Industry and Construction Workplace. This course is offered as a continuation of TCED 044, and will cover a review of the topics discussed in that class. The course will primarily cover a detailed overview of scaffolds, hoists, confined spaces, lockout/tagout procedures, industrial hygiene, and emergency action plans. Upon completion of this course, (as well as passing the final exam), and successful completion of TCED 044, the student will receive a 30-hour OSHA Training Certificate of completion, which is good for life.

**THE FOLLOWING SECTION WILL MEET OCTOBER 5-DECEMBER 7, 2009**

★ 1026	M	6:00-9:50 PM	ALTON K	Rm T120
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**BIOLOGY**

**DIVISION OF MATHEMATICS & SCIENCES**

Transportation for field trips may not be provided by Rio Hondo College.

**BIOL 101**

**GENERAL BIOLOGY**

4 Units/Advisory: *ENGL 035 or ESL 198 or appropriate assessment, READ 023 or appropriate assessment, and MATH 050 or appropriate assessment.*

Transfers to: *UC (credit limit\*), CSU (\*Students will receive credit from UC for only one of the following courses: BIOL 101 or BIOL 200.)*

General Biology 101 is a general education course, open to all students, and is designed to provide an introduction to concepts and principles of modern biology. Topics covered will include cell structure and function, energy relationships, genetic control mechanisms, concepts of evolution, biological diversity, and ecosystem function. The laboratory component of the course emphasizes the application of the scientific method as a tool to understanding living systems.

**LECTURE/LABORATORY SECTIONS**

0118	MW(Lec)	8:05-9:30 AM	KELLER T	Rm S136
	&M(Lab)	9:40 AM-12:50 PM	RIBAYA J	Rm S130
0136	MW(Lec)	8:05-9:30 AM	KELLER T	Rm S136
	&W(Lab)	9:40 AM-12:50 PM	KELLER T	Rm S130
1508	MW(Lec)	8:05-9:30 AM	KELLER T	Rm S136
	&W(Lab)	1:00-4:10 PM	KELLER T	Rm S130
0116	TTh(Lec)	8:05-9:30 AM	BETHEL R	Rm S136
	&T(Lab)	9:40 AM-12:50 PM	JAYACHANDRAN S	Rm S130
0117	TTh(Lec)	8:05-9:30 AM	BETHEL R	Rm S136
	&Th(Lab)	9:40 AM-12:50 PM	JAYACHANDRAN S	Rm S130
0119	TTh(Lec)	11:15 AM-12:40 PM	CUMMINGS F	Rm S136
	&T(Lab)	2:25-5:35 PM	CUMMINGS F	Rm S130
0120	TTh(Lec)	11:15 AM-12:40 PM	CUMMINGS F	Rm S136
	&Th(Lab)	2:25-5:35 PM	CUMMINGS F	Rm S130
0121	TTh(Lec)	11:15 AM-12:40 PM	CUMMINGS F	Rm S136
	&F(Lab)	9:00 AM-12:10 PM	BURKEMPER B	Rm S130
★0856	MW(Lec)	5:30-6:55 PM	VODA M	Rm S136
	&M(Lab)	2:15-5:25 PM	CUMMINGS F	Rm S130
★ 0126	MW(Lec)	5:30-6:55 PM	VODA M	Rm S136
	&M(Lab)	7:00-10:10 PM	VODA M	Rm S130
★0127	MW(Lec)	5:30-6:55 PM	VODA M	Rm S136
	&W(Lab)	7:00-10:10 PM	OLSEN K	Rm S130
0124	Sat(Lab)	8:00-11:10 AM	ESDIN J	Rm S130
	&Sat(Lec)	11:15 AM-2:25 PM	ESDIN J	Rm S136
0125	Sat(Lec)	11:15 AM-2:25 PM	ESDIN J	Rm S136
	&Sat(Lab)	2:30-5:40 PM	ESDIN J	Rm S130

**BIOL 111**

**MARINE BIOLOGY**

3 Units/Advisory: *ENGL 035 or ESL 198 or appropriate assessment, READ 023 or appropriate assessment, and MATH 050 or appropriate assessment.*

Transfers to: *UC, CSU*

This course is designed to give the student a better understanding of the basic principles of Marine Biology and fulfills the general education lecture requirement for the life sciences. Emphasis is placed on how the scientific method is used to investigate the chemical, physical, and geological properties of the marine environment. Students will learn to distinguish among the diverse organisms and habitats that comprise the ocean's ecosystems. An introduction to the structure and function of marine ecosystems is provided and the impact of human activity on those systems will be addressed.

0134	TTh	9:40-11:05 AM	KATNIK S	Rm S136
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**BIOL 111L**

**MARINE BIOLOGY LABORATORY**

1 Unit/Prerequisite/Corequisite: *BIOL 111.*

Advisory: *ENGL 035 or ESL 198 or appropriate assessment, READ 023 or appropriate assessment, and MATH 050 or appropriate assessment.*

Transfers to: *UC, CSU*

This laboratory course complements the Marine Biology lecture course and is designed for the student interested in furthering their understanding of the marine environment and its organisms, with emphasis on marine life of the local coasts. The scientific method will be employed to investigate the chemical and physical properties of seawater, the role of pigments in marine algae, the behavior of marine organisms, the basic classification and morphology of marine producers, invertebrates and vertebrates, and adaptations of organisms to specific habitats. Students will use basic laboratory equipment and techniques in both classroom and field-based investigations. Field trips to coastal marine habitats and public aquaria are conducted.

0135	T	12:50-4:00 PM	KATNIK S	Rm S124
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**BIOL 120**

**ENVIRONMENTAL BIOLOGY**

3 Units/Advisory: *ENGL 101, READ 023 or appropriate assessment, and MATH 050 or appropriate assessment.*

Transfers to: *UC, CSU*

Utilizing basic biological concepts, an interdisciplinary approach is used to address environmental challenges. Topics addressed may include ecosystem characteristics and functions, population dynamics, energy and material resource use, pollution, and alternative energy sources. Students in many disciplines will benefit from this course as the social, political, and economic implications of environmental decisions are addressed. This course fulfills the general education requirement in life sciences.

0132	TTh	9:40-11:05 AM	WILLIAMS R	Rm S121
0128	MW	11:15 AM-12:40 PM	KATNIK S	Rm S121
★ 0137	TTh	5:30-6:55 PM	KATNIK S	Rm S236

## Principles of Biology I and II

**BIOL 200 (I) and 201 (II) comprise the two semester sequence for Biology majors. BIOL 200 is a prerequisite for Biology 201**

**Biology 200 is offered only in the Fall Semester.**

**Biology 201 is offered only in the Spring Semester**

SEC. #	DAY(S)	TIME	INSTRUCTOR	ROOM	SEC. #	DAY(S)	TIME	INSTRUCTOR	ROOM
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**BIOLOGY, CONTINUED**

**BIOL 120L ENVIRONMENTAL BIOLOGY LABORATORY**  
 1 Unit/Prerequisite/Corequisite: BIOL 120.

Advisory: MATH 030 or appropriate assessment, READ 022 or appropriate assessment, ENGL 030 or ESL 037 or appropriate assessment.

Transfers to: UC, CSU

A laboratory course designed to acquaint students with quantitative methods used in studying problems dealing with the environment. Topics which will be researched include population interactions, functions of the ecosystem, water and air pollution, and problems of radiation. Credit withheld until successful completion of BIOL 120.

0129	M	12:50-4:00 PM	KATNIK S	Rm S124
0138	W	12:50-4:00 PM	KATNIK S	Rm S124
0142	Th	12:50-4:00 PM	KATNIK S	Rm S124
★ 0139	Th	7:00-10:10 PM	OLSEN K	Rm S124
1549	F	9:00 AM-12:10 PM	KATNIK S/VODA M	Rm S124

**BIOL 125 HUMAN ANATOMY**

4 Units/Advisory: ENGL 035 or ESL 198 or appropriate assessment, READ 023 or appropriate assessment and MATH 050 or appropriate assessment.

Transfers to: UC, CSU

This course is primarily a systems approach to the study of human body structure. The study of each body system includes structural specializations and functions from the microscopic to the system level emphasizing the interdependence of form and function. Additional topics include methods of anatomical study, human genetics, and embryonic development. The laboratory exercises will also include vertebrate dissections. This course is intended for students preparing to enter careers in the health sciences.

0144	MW(Lec)	11:15 AM-12:40 PM	SPENCER S	Rm S136
	&W(Lab)	8:00-11:10 AM	RIBAYA J	Rm S101
0145	MW(Lec)	11:15 AM-12:40 PM	SPENCER S	Rm S136
	&M(Lab)	12:50-4:00 PM	SPENCER S	Rm S101
0146	MW(Lec)	11:15 AM-12:40 PM	SPENCER S	Rm S136
	&W(Lab)	12:50-4:00 PM	SPENCER S	Rm S101
0200	TTh(Lec)	11:15 AM-12:40 PM	RIBAYA J	Rm S121
	&T(Lab)	8:00-11:10 AM	RIBAYA J	Rm S101
0202	TTh(Lec)	11:15 AM-12:40 PM	RIBAYA J	Rm S121
	&Th(Lab)	8:00-11:10 AM	RIBAYA J	Rm S101
0562	TTh(Lec)	11:15 AM-12:40 PM	RIBAYA J	Rm S121
	&T(Lab)	2:15-5:25 PM	SPENCER S	Rm S101
★ 0560	TTh(Lec)	5:30-6:55 PM	RIBAYA J	Rm S136
	&Th(Lab)	2:15-5:25 PM	SPENCER S	Rm S101
★ 0148	TTh(Lec)	5:30-6:55 PM	RIBAYA J	Rm S136
	&T(Lab)	7:00-10:10 PM	RIBAYA J	Rm S101
★ 0149	TTh(Lec)	5:30-6:55 PM	RIBAYA J	Rm S136
	&Th(Lab)	7:00-10:10 PM	RIBAYA J	Rm S101

**BIOL 200 PRINCIPLES OF BIOLOGY I**

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

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

Transfers to: UC (credit limit\*), CSU (\*Students will receive credit from UC for only one of the following courses: BIOL 101 or BIOL 200)

This course is first in a sequence of courses for undergraduate preparation for biology majors. Areas of focus include cellular and molecular biology, bioenergetics, genetics, evolution and ecology. The laboratory portion of the course emphasizes scientific methodologies focusing on observations, experimentation, record keeping, data collection and analysis, and presentation of outcomes. The course sequence also provides excellent preparation for those students intending to pursue post-graduate studies in the medical sciences.

0147	TTh(Lec/Lab)	8:05 AM-1:00 PM	KELLER T	Rm S132
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**BIOL 222 MICROBIOLOGY**

5 Units/Prerequisite: CHEM 110

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

Transfers to: CSU

The course encompasses the biology of microorganisms with an emphasis on the role of bacteria and viruses on human health and disease. Other topics include resistance and immunity to disease, basic biological principles, microbial genetics and physiology, the harmful and useful aspects of microorganisms in nature, medicine and industry. Laboratory exercises emphasize sterile culture techniques, the detection, isolation and identification of microorganisms. This course is intended for students preparing to enter careers in the health sciences.

0140	MW(Lec)	8:05-9:30 AM	BETHEL R	Rm S121
	&MW(Lab)	9:40 AM-12:50 PM	BETHEL R	Rm S100
0141	MW(Lec)	8:05-9:30 AM	BETHEL R	Rm S121
	&TTh(Lab)	9:40 AM-12:50 PM	BETHEL R	Rm S100
★0122	MW(Lec)	5:25-6:50 PM	KANDEL J	Rm S121
	&MW(Lab)	7:00-10:10 PM	KANDEL J	Rm S100

**BIOL 226 HUMAN PHYSIOLOGY**

4 Units/Prerequisite: CHEM 110, BIOL 125.

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

Transfers to: UC, CSU

Human Physiology provides a general introduction to the function and regulation of human body systems. Physiological integration of the systems to maintain homeostasis and the significance of biochemistry is emphasized throughout the course. Course content will include neural and hormonal homeostatic control mechanisms, and a study of the musculoskeletal, circulatory, respiratory, digestive, urinary, immune and endocrine systems. Laboratory exercises will allow students to gather physiological data and draw conclusions on how physiological mechanisms are regulated. This course is intended for students preparing to enter careers in the health sciences.

0150	TTh(Lec)	8:05-9:30 AM	SPENCER S	Rm S121
	&T(Lab)	9:40 AM-12:50 PM	SPENCER S	Rm S124
1922	TTh(Lec)	8:05-9:30 AM	SPENCER S	Rm S121
	&Th(Lab)	9:40 AM-12:50 PM	SPENCER S	Rm S124
★ 0152	MW(Lec)	5:25-6:50 PM	MORRIS C	Rm S129
	&W(Lab)	7:00-10:10 PM	MORRIS C	Rm S124

**299 DIRECTED STUDY**

1-3 Units

SEE description in GENERAL INFORMATION  
 Times to be Arranged STAFF

**BUSINESS**  
 DIVISION OF BUSINESS & APPLIED TECHNOLOGY

**BUSINESS LAW**

**BUSL 110 BUSINESS LAW: LEGAL ENVIRONMENT OF BUSINESS**

3 Units/Advisory: READ 023 or appropriate assessment and 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: BUSL 110 or BUSL 220)

This course examines the legal regulatory, and international environment of business. Included are the topics of alternative dispute resolution, the forms of business organization, regulations affecting employment, and current environmental statutes. Case studies are used to discuss torts, crimes, contracts and sales, warranty and product liability, labor law, employment discrimination, and environmental law.

1627	MW	8:05-9:30 AM	BLACKMUN E	Rm B105
0181	MW	9:40-11:05 AM	BLACKMUN E	Rm B105
0182	TTh	9:40-11:05 AM	BLACKMUN E	Rm B105
★ 0183	M	7:00-10:10 PM	HAGARTY J	Rm B105
★ 0016	W	7:00-10:10 PM	BLADH E	Rm B105

**ONLINE COURSE ACCESS: ONLINE.RIOHONDO.EDU**

☎8094 24 HRS/7 DAYS BLADH E INTERNET

The purchase of an Access Code is required to access this online course.

Important information-pp 13-14. Instructor email: ebladh@riohondo.edu

☎8121 24 HRS/7 DAYS BLACKMUN E INTERNET

Important information-pp 13-14. Instructor email: eblackmun@riohondo.edu