

■ AUTO TECHNOLOGY ■

**AUTO 094 AUTOMOTIVE HEATING AND AIR CONDITIONING**

Units: 3.00 - Not transferable , May Be Taken Once for Credit  
*Recommended Preparation: AUTO 101*  
 Provides theory and practical application of the function and repair of heating and air conditioning systems as applied to domestic and imported automobiles.

82823 01:30PM-04:35PM MTWTH G. Sornborger CCC-705  
 08/22/11-10/15/11

**CCC** [This class meets at the CANYON COUNTRY CAMPUS on Sierra Highway.](#)

**AUTO 101 AUTOMOTIVE ENGINE FUNDAMENTALS**

Units: 4.00 - CSU, May Be Taken Once for Credit  
 Theory and practice in automotive engine repair.

82826 08:30AM-11:45AM MTWTH G. Sornborger CCC-705  
 08/22/11-10/15/11

**CCC** [This class meets at the CANYON COUNTRY CAMPUS on Sierra Highway.](#)

**AUTO 102 ENGINE PERFORMANCE I**

Units: 4.00 - CSU, May Be Taken Once for Credit  
 Provides the theory of operation, diagnosis, repair and service of engine systems such as ignition, and fuel. Includes shop training in ignition, emission control and fuel systems on automobiles.

82827 06:00PM-09:20PM MTWTH S. Storey CCC-705  
 08/22/11-10/15/11

**CCC** [This class meets at the CANYON COUNTRY CAMPUS on Sierra Highway.](#)

**AUTO 109 AUTOMOTIVE BRAKE SYSTEMS**

Units: 4.00 - CSU, May Be Taken Once for Credit  
 Provides the theoretical and practical application of the operation, diagnosis and repair of automotive brake systems.

82829 08:30AM-11:50AM MTWTH G. Sornborger CCC-705  
 10/17/11-12/08/11

**CCC** [This class meets at the CANYON COUNTRY CAMPUS on Sierra Highway.](#)

**CWE 188AUTO COOPERATIVE WORK EXPERIENCE EDUCATION AUTOMOTIVE TECHNOLOGY**

Units: 1.00-4.00 - CSU, Unlimited Repeats  
 Provides students with the opportunity to apply knowledge and skills gained from college courses in an actual work setting. The work experience may be paid or unpaid. For more information about earning elective units for ongoing work experience or applying for an internship, visit [www.canyons.edu/cwee](http://www.canyons.edu/cwee). Maximum 8 units per term and 16 total units.

83820 - S. Wright STCN-123  
 83821 - S. Wright STCN-123

09/06/11-12/10/11

■ BIOLOGICAL SCIENCE ■

**BIOSCI 100 GENERAL BIOLOGY**

Units: 4.00 - UC:CSU, May Be Taken Once for Credit  
 Explores the structure, function, and development of living systems from cells to ecosystems. UC credit limitation: No credit for BIOSCI-100 if taken after BIOSCI-106, 107, 201, 202, 204, 205, 215, 216, 221, or 250.

83585 09:30AM-10:50AM MW P. Medina-Lopez ALLH-108  
 and 11:15AM-02:20PM W BYKH-201

**Optional field trip:** Wild Life Learning Center in Sylmar the week of 11/7. Entrance fee \$6.00. Students are responsible for their own transportation.

83584 09:30AM-10:50AM MW P. Medina-Lopez ALLH-108  
 and 11:15AM-02:20PM M BYKH-201

**Optional field trip:** Wild Life Learning Center in Sylmar the week of 11/7. Entrance fee \$6.00. Students are responsible for their own transportation.

83590 09:30AM-12:35PM T G. Nishiyama CCC-310  
 and 09:30AM-12:35PM TH CCC-402

**Optional field trip:** Wild Life Learning Center in Sylmar the week of 11/7. Entrance fee \$6.00. Students are responsible for their own transportation.

**CCC** [This class meets at the CANYON COUNTRY CAMPUS on Sierra Highway.](#)

83579 09:30AM-10:50AM TTH K. Burke ALLH-108  
 and 11:15AM-02:20PM T BYKH-201

**Optional field trip:** Wild Life Learning Center in Sylmar the week of 11/7. Entrance fee \$6.00. Students are responsible for their own transportation.

83578 09:30AM-10:50AM TTH K. Burke ALLH-108  
 and 11:15AM-02:20PM TH BYKH-201

**Optional field trip:** Wild Life Learning Center in Sylmar the week of 11/7. Entrance fee \$6.00. Students are responsible for their own transportation.

83582 11:00AM-12:20PM MW J. Wolf ALLH-108  
 and 07:45AM-10:50AM W BYKH-201

**Optional field trip:** Wild Life Learning Center in Sylmar the week of 11/7. Entrance fee \$6.00. Students are responsible for their own transportation.

83581 11:00AM-12:20PM MW J. Wolf ALLH-108  
 and 07:45AM-10:50AM M BYKH-201

**Optional field trip:** Wild Life Learning Center in Sylmar the week of 11/7. Entrance fee \$6.00. Students are responsible for their own transportation.

83583 12:30PM-01:50PM TTH C. Musser ALLH-104  
 and 02:30PM-03:35PM TH BYKH-201

**Optional field trip:** Wild Life Learning Center in Sylmar the week of 11/7. Entrance fee \$6.00. Students are responsible for their own transportation.

83591 04:25PM-05:45PM MW K. Sloan CCC-311  
 and 04:25PM-07:25PM T CCC-310

**Optional field trip:** Wild Life Learning Center in Sylmar the week of 11/7. Entrance fee \$6.00. Students are responsible for their own transportation.

**CCC** [This class meets at the CANYON COUNTRY CAMPUS on Sierra Highway.](#)

**83589 05:00PM-08:05PM TH D. Sanver-Wang CCC-310**  
**HYBRID CLASS. Mandatory orientation (5:00 pm - 5:45 pm) on**  
**Thursday, 8/25 in CCC-310, first lab immediately follows after.**  
**Optional field trip: Wild Life Learning Center in Sylmar the**  
**week of 11/7. Entrance fee \$6.00. Students are responsible for**  
**their own transportation.**

**CCC** This class meets at the CANYON COUNTRY CAMPUS on Sierra Highway.

**BIOSCI 106 ORGANISMAL & ENVIRONMENTAL BIOLOGY**

Units: 4.00 - UC:CSU, May Be Taken Once for Credit  
 Introduction to major plant and animal groups and principles of ecology and evolution.

83595 09:30AM-10:50AM MW P. Palavecino ALLH-101  
 and 11:15AM-02:20PM W BYKH-205  
**Optional field trip:** Latigo Shore, Malibu the week of 11/21.  
 Students are responsible for their own transportation.

83594 09:30AM-10:50AM MW P. Palavecino ALLH-101  
 and 11:00AM-02:05PM M BYKH-205  
**Optional field trip:** Latigo Shore, Malibu the week of 11/21.  
 Students are responsible for their own transportation.

83588 12:30PM-01:50PM TTH T. Anderson-McGill BYKH-105  
 and 02:30PM-05:35PM TH BYKH-205  
**Optional field trip:** Cabrillo Marine Aquarium during the week of 10/31. Donation fee: \$7.00. Students are responsible for their own transportation.

83587 05:00PM-06:20PM TTH P. Gimple BYKH-105  
 and 06:30PM-07:35PM TH BYKH-205  
**Optional field trip:** Cabrillo Marine Aquarium during the week of 10/31. Donation fee: \$7.00. Students are responsible for their own transportation.

83586 05:00PM-06:20PM TTH P. Gimple BYKH-105  
 and 06:30PM-09:35PM T BYKH-205  
**Optional field trip:** Cabrillo Marine Aquarium during the week of 10/31. Donation fee: \$7.00. Students are responsible for their own transportation.

83596 11:15AM-02:20PM TH A. Foote BYKH-205  
**HYBRID CLASS. Mandatory orientation (11:00 am - 11:45 am) on**  
**Thursday, 8/25 in BYKH-211, first lab immediately follows after.**  
**Optional field trip:** Latigo Shore, Malibu the week of 11/21.  
 Students are responsible for their own transportation.

83593 11:00AM-12:20PM TTH J. Chari ALLH-101  
 and 07:45AM-10:50AM TH BYKH-205  
**FIELD STUDIES CLASS. Mandatory, on-location field study will**  
**take place at Camp Tahquitz, south of Big Bear on 9/23-9/25. The**  
**field study will replace 12 on-campus hours. Optional meal package**  
**for approximately \$50. Please visit [www.canyons.edu/fieldstudies](http://www.canyons.edu/fieldstudies)**  
**for information regarding students responsibilities and requirements.**  
**Optional field trip:** Intertidal pools at Latigo Shore on 10/28. No  
 entrance fee. Students are responsible for their own food and transportation.

83592 11:00AM-12:20PM TTH J. Chari ALLH-101  
 and 07:45AM-10:50AM T BYKH-205  
**FIELD STUDIES CLASS. Mandatory, on location field study will**  
**take place at Camp Tahquitz, south of Big Bear on 10/7-10/9. The**  
**field study will replace 12 on-campus hours. Optional meal package**  
**for approximately \$50. Please visit [www.canyons.edu/fieldstudies](http://www.canyons.edu/fieldstudies)**  
**for information regarding students responsibilities and requirements.**  
**Optional field trip:** Intertidal pools at Latigo Shore on 10/28. No  
 entrance fee. Students are responsible for their own food and transportation.

**BIOSCI 107H MOLECULAR AND CELLULAR BIOLOGY HONORS**

Units: 4.00 - UC:CSU, May Be Taken Once for Credit  
*Prerequisite: MATH-070*  
 Introduces the principles of cellular form and function including: bioenergetics and metabolism, molecular structure and evolution, gene regulation, cellular anatomy and physiology, and the principles of biotechnology. Critical analysis combined with written and oral presentation of primary scientific literature will differentiate BIOSCI 107H from BIOSCI 107.

83628 02:20PM-05:25PM W M. Golbert ALLH-104  
 and 02:20PM-05:25PM TH ALLB-220

**BIOSCI 107 MOLECULAR AND CELLULAR BIOLOGY**

Units: 4.00 - UC:CSU, May Be Taken Once for Credit  
*Prerequisite: MATH-070*  
 Introduces the principles of cellular form and function including: bioenergetics and metabolism, molecular structure and evolution, gene regulation, cellular anatomy and physiology, and the principles of biotechnology.

83598 09:30AM-10:50AM TTH K. Cude ALLH-104  
 and 11:00AM-02:05PM TH ALLB-220

83597 09:30AM-10:50AM TTH K. Cude ALLH-104  
 and 11:15AM-02:20PM T ALLB-220

83605 11:00AM-12:20PM MW S. Badran ALLH-104  
 and 07:45AM-10:50AM W ALLB-220

83602 11:00AM-12:20PM MW S. Badran ALLH-104  
 and 07:45AM-10:45AM M ALLB-220

83600 12:30PM-01:50PM MW J. Wolf ALLH-104  
 and 02:30PM-05:35PM W ALLB-220

83599 12:30PM-01:50PM MW J. Wolf ALLH-104  
 and 02:30PM-05:35PM M ALLB-220

83604 05:00PM-06:20PM TTH C. Ramey ALLH-104  
 and 06:30PM-09:35PM TH ALLB-220

83603 05:00PM-06:20PM TTH C. Ramey ALLH-104  
 and 06:30PM-07:35PM T ALLB-220

83601 06:30PM-09:35PM M J. Wolf ALLH-104  
 and 06:30PM-09:35PM W ALLB-220

**SMOKING IS ONLY PERMITTED IN PARKING LOTS – more than 50 feet from any building.**



**BIOSCI 140 PRINCIPLES OF HUMAN GENETICS**

Units: 3.00 - UC:CSU, May Be Taken Once for Credit  
 Introduces the principles of human genetics; function of DNA, genes and chromosomes; and patterns of inheritance. Not designed for biological science majors.

83606 02:00PM-03:20PM TTH J. Chari BONH-305

**BIOSCI 180 BIOLOGY OF CANCER**

Units: 3.00 - UC:CSU, May Be Taken Once for Credit  
 Introduces the basic principles underlying the development and treatment of cancer.

83607 02:30PM-03:50PM TTH K. Cude BYKH-206

**BIOSCI 201 INTRODUCTION TO HUMAN ANATOMY**

Units: 4.00 - UC:CSU, May Be Taken Once for Credit  
*Prerequisite: BIOSCI-107*  
 Explores the major structural characteristics of the human body. UC credit limitations: BIOSCI- 201, 202, and 204, 205, 250 combined; maximum credit 8 units.

83610 08:00AM-09:20AM MW L. Li ALLH-104  
 and 12:45PM-03:50PM M ALLB-223  
 83609 08:00AM-09:20AM MW L. Li ALLH-104  
 and 09:30AM-12:35PM M ALLB-223

**BIOSCI 202 INTRODUCTION TO HUMAN PHYSIOLOGY**

Units: 4.00 - UC:CSU, May Be Taken Once for Credit  
*Prerequisite: BIOSCI-107*  
 Explores the functioning integration of the systems of the human body. UC credit limitations: BIOSCI-201, 202 and 204, 205, 250 combined; maximum credit 8 units.

83611 09:30AM-10:50AM MW Staff HSLH-234  
 and 11:15AM-02:20PM W ALLB-221

**BIOSCI 204 HUMAN ANATOMY AND PHYSIOLOGY I**

Units: 4.00 - UC:CSU, May Be Taken Once for Credit  
*Prerequisite: BIOSCI-107*  
 Introduces the structure and function of the human body. UC credit limitations: BIOSCI-201, 202, and 204, 205, 250 combined; maximum credit 8 units.

83613 08:00AM-09:20AM TTH M. Golbert ALLH-104  
 and 09:30AM-12:35PM TH ALLB-223  
 83612 08:00AM-09:20AM TTH M. Golbert ALLH-104  
 and 09:30AM-12:35PM T ALLB-223  
 83617 04:25PM-05:45PM MW C. Kay-Nishiyama ALLH-101  
 and 06:00PM-09:05PM W ALLB-223  
 83616 04:25PM-05:45PM MW C. Kay-Nishiyama ALLH-101  
 and 06:00PM-09:05PM M ALLB-223  
 83615 06:00PM-09:05PM TH R. Rosales BONH-10  
 and 06:00PM-09:05PM T ALLB-223  
 83614 06:00PM-09:05PM T C. Carleton BONH-10  
 and 06:00PM-09:05PM TH ALLB-223

**BIOSCI 205 HUMAN ANATOMY AND PHYSIOLOGY II**

Units: 4.00 - UC:CSU, May Be Taken Once for Credit  
*Prerequisite: BIOSCI-204*  
 Continues the study of the structure and function of the human body. UC credit limitation: BIOSCI-201, 202 and 204, 205, 250 combined; maximum credit 8 units.

83620 03:30PM-04:50PM TTH F. Costa ALLH-104  
 and 05:00PM-08:05PM TH ALLB-221  
 83619 03:30PM-04:50PM TTH F. Costa ALLH-104  
 and 05:00PM-08:05PM T ALLB-221  
 83618 06:00PM-09:05PM M G. Fox ALLB-221  
 and 06:00PM-09:05PM W ALLH-101

**BIOSCI 216 GENERAL BOTANY**

Units: 4.00 - UC:CSU, May Be Taken Once for Credit  
*Prerequisite: MATH-070 Recommended preparation: BIOSCI-107*  
 Introduces the plant kingdom with an emphasis on seed-bearing plants.

83621 12:50PM-02:10PM MW G. Nishiyama CCC-311  
 and 02:30PM-05:35PM M CCC-310  
**CCC** [This class meets at the CANYON COUNTRY CAMPUS on Sierra Highway.](#)

**BIOSCI 219 MARINE BIOLOGY**

Units: 4.00 - UC:CSU, May Be Taken Once for Credit  
 A study of the description, distribution and natural history of marine organisms. Laboratories will include both in-class and field studies which may extend outside the assigned laboratory times.

83622 08:00AM-09:20AM MW G. Nishiyama CCC-402  
 and 09:30AM-12:35PM W CCC-310  
**CCC** [This class meets at the CANYON COUNTRY CAMPUS on Sierra Highway.](#)

**BIOSCI 221 INTRODUCTION TO MICROBIOLOGY**

Units: 5.00 - UC:CSU, May Be Taken Once for Credit  
*Prerequisite: BIOSCI-107*  
 Introduction to the biology of micro-organisms.

83580 08:00AM-09:20AM MW K. Burke ALLH-101  
 and 09:30AM-12:35PM MW ALLB-217  
 83624 08:00AM-09:20AM TTH D. Takeda ALLH-101  
 and 09:30AM-12:35PM TTH ALLB-217  
 83623 12:30PM-01:50PM MW D. Takeda ALLH-101  
 and 02:30PM-05:35PM MW ALLB-217  
 83625 12:30PM-01:50PM TTH J. Lobos ALLH-101  
 and 02:30PM-05:35PM TTH ALLB-217  
 83626 05:00PM-06:20PM TTH C. Robinson ALLH-101  
 and 06:30PM-09:35PM TTH ALLB-217

**BIOSCI 230 INTRODUCTION TO BIOTECHNOLOGY**

Units: 4.00 - UC:CSU, May Be Taken Once for Credit

*Prerequisite: BIOSCI-107*

Introduces the basic concepts and techniques of modern molecular biology, including the uses and applications of DNA manipulation techniques.

83627 08:00AM-09:20AM TTH J. Nguyen ALLB-218  
and 09:30AM-12:35PM TTH ALLB-218

**BIOSCI 240 MOLECULAR GENETICS**

Units: 4.00 - UC:CSU, May Be Taken Once for Credit

*Prerequisite: BIOSCI-107*

Introduces the principles of both prokaryotic and eukaryotic genetics. Emphasizes the structure, function and regulation of genes along with patterns of inheritance.

83608 09:30AM-10:50AM MW K. Cude BYKH-206  
and 11:15AM-02:20PM W ALLB-218

■ **BUSINESS** ■

**BUS 100 INTRODUCTION TO BUSINESS**

Units: 3.00 - UC:CSU, May Be Taken Once for Credit

Introduction to the fundamental concepts of business in a changing world. Includes an overview of such areas as economic systems, management, marketing, accounting, finance, ethics, and globalization. Designed to help students understand business concepts and to select an area of specialization in business.

82901 08:00AM-09:20AM MW T. Fontenette HSLH-234

82897 08:00AM-09:20AM TTH A. Naddafpour CCC-401  
**CCC** This class meets at the CANYON COUNTRY CAMPUS on Sierra Highway.

82902 11:00AM-12:20PM TTH D. Sionko HSLH-234

82903 12:30PM-01:50PM TTH D. Sionko HSLH-234

82904 06:30PM-07:50PM MW G. Fogel CCC-505  
**CCC** This class meets at the CANYON COUNTRY CAMPUS on Sierra Highway.

82907 - B. Morinaka -  
**ONLINE CLASS.** For class information, see [www.canyons.edu/distancelearning](http://www.canyons.edu/distancelearning).

82906 - D. Sionko -  
**ONLINE CLASS.** For class information, see [www.canyons.edu/distancelearning](http://www.canyons.edu/distancelearning).

**BUS 101 BOOKKEEPING AND ACCOUNTING**

Units: 5.00 - CSU, May Be Taken Once for Credit

Introduces double-entry bookkeeping for non-transfer business majors, including the use of ledgers and special purpose journals.

82914 07:00PM-09:25PM MW T. Martin HSLH-233

**BUS 103 INTRODUCTION TO INTERNATIONAL BUSINESS**

Units: 3.00 - CSU, May Be Taken Once for Credit

A combination of global business theory as affected by cultural, political, legal, and international economic factors with instruction on government regulation, foreign market analysis, exporting and importing.

82915 11:00AM-12:20PM TTH R. Waldon HSLH-233

**BUS 110 PRINCIPLES OF MANAGEMENT**

Units: 3.00 - CSU, May Be Taken Once for Credit

Examines the basics of modern management in a changing world with an emphasis on leading, planning, organizing, and control functions.

82917 09:30AM-10:50AM TTH D. Sionko HSLH-234

82920 12:30PM-01:50PM MW D. Sionko HSLH-234

**BUS 111 HUMAN RELATIONS IN THE WORKPLACE**

Units: 3.00 - CSU, May Be Taken Once for Credit

Introduces basic concepts of individual, group, and organizational human behavior as they affect human relations, performance, and productivity within the workplace.

82923 06:30PM-09:35PM W C. Chung BONH-302

**BUS 117 BUSINESS ENTREPRENEURSHIP**

Units: 3.00 - CSU, May Be Taken Once for Credit

Comprehensive analysis of establishing, marketing, managing, financing, promoting, insuring, developing, and staffing a small business.

82924 06:30PM-09:35PM W G. Lawson HSLH-303  
**HYBRID CLASS.** On campus meetings (6:30 pm - 9:30 pm) on Wednesdays, 8/24/11 -11/30/11.

**BUS 126 MANAGING DIVERSITY IN THE WORKPLACE**

Units: 3.00 - CSU, May Be Taken Once for Credit

Examines the effects of increasing diversity in the workplace. Focuses on the benefits and challenges to management and staff presented by the different types of workplace diversity.

82925 06:30PM-09:35PM TH P. Hawkins CCC-508  
**CCC** This class meets at the CANYON COUNTRY CAMPUS on Sierra Highway.

**BUS 132 NEGOTIATION AND CONFLICT RESOLUTION**

Units: 3.00 - CSU, May Be Taken Once for Credit

Introduces organizational conflict and the strategies for effective resolution including arbitration, mediation, and mini-trial.

82926 06:30PM-07:50PM TTH S. Gilbert HSLH-233