**Accounting (ACCTG)**

**ACCTG-1A  Financial Accounting**  4.00 UNITS

Advisory: Completion of CIS-1 or BUSOT-63.

Development and communication of financial information that is useful to investors, creditors, and other decision-makers. Includes the accounting environment, accounting cycle, generally accepted accounting principles, ethics, financial statements, operating, investing, and financing activities.

(C-ID ACCT 110)

Materials Fee: $0.00   Transfer: CSU; UC

Grading: Letter grade only

83744  Y.Kirkpatrick   10:00am-12:15pm  MTWTH  HS-133

06/08/15-07/28/15                  Last day to add: 06/15/15

(another section at Chino)

**ACCTG-1B  Managerial Accounting**  4.00 UNITS

Prerequisite: ACCTG-1A.

Advisory: Completion of CIS-1 or experience using spreadsheets.

Managerial accounting meets the information needs of internal users by developing and communicating information that is useful for management decision-making. (C-ID ACCT 120)

Materials Fee: $0.00   Transfer: CSU; UC

Grading: Letter grade only

83746  V.Turner       7:30am-9:45am  MTWTH  HS-133

06/08/15-07/28/15                  Last day to add: 06/15/15

**Acting**

(See Theatre Arts)

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**FEE PAYMENTS**

Students receiving Financial Aid, 3rd party sponsored billing, and students enrolled in the Facts Payment plan (see [www.chaffey.edu/cashier/facts.shtml](http://www.chaffey.edu/cashier/facts.shtml)) will not be dropped from their classes for non-payment.

For everyone else, payment is due not more than 10 calendar days from the date of registration (including holidays and weekends).

For more detailed information, see the Payment Deadline information on pages 11-14 and Payment Date Due Chart on page 15.
**SUMMER 2015 SCHEDULE OF CLASSES**

**Chaffey College**

To maintain your preferred registration and completion of ENGL-475 or ESL-475.

**Rancho Cucamonga**

**ANTHRO-1L Laboratory for Biological Anthropology 1.00 UNITS**

Corequisite: ANTHRO-1 (may be taken previously).

Comparative study of both human and non-human primates, human variation, evolution, genetics, forensic anthropology, and the primate fossil record.

(C-ID ANTH 115L)

Materials Fee: $0.00  
Transfer: CSU; UC

Grading: Letter grade only

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<tbody>
<tr>
<td>83441</td>
<td>M. Meyer</td>
<td>12:00pm-1:45pm</td>
<td>MTWTH</td>
<td>DL-101</td>
</tr>
<tr>
<td>06/08/15-07/28/15</td>
<td>Last day to add: 06/15/15</td>
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**ANTHRO-3 Introduction to Social and Cultural Anthropology 3.00 UNITS**

Advisory: Eligibility for ENGL-1A as determined by the Chaffey assessment process, or completion of ENGL-475 or ESL-475.

Introduction to how anthropologists do their work, employ professional anthropological research ethics, and apply their perspectives and skills to the understanding of humans around the globe. (C-ID ANTH 120)

Materials Fee: $0.00  
Transfer: CSU; UC

Grading: Letter grade only

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<tr>
<td>83446</td>
<td>K. Rugroden</td>
<td>8:00am-9:45am</td>
<td>MTWTH</td>
<td>SS-104</td>
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<td>83447</td>
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<td>SS-105</td>
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**ART-10 Fundamentals of Design in Two Dimensions 4.00 UNITS**

In-depth introduction to the visual elements of two-dimensional art composition including line, shape, texture, value, color theory, and spatial illusion.

(C-ID ARTS 100)

Materials Fee: $4.00  
Transfer: CSU; UC

Grading: Letter grade only

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<tr>
<td>83598</td>
<td>P. Lewis</td>
<td>7:15am-10:45am</td>
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<td>CAA-210</td>
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<tr>
<td>83599</td>
<td>R. Watkins</td>
<td>11:00am-2:30pm</td>
<td>MTWTH</td>
<td>CAA-210</td>
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**PREFERRED ENROLLMENT**

NEW AND RETURNING STUDENTS: To receive a preferred registration date, you must complete the following actions:

- Fill-out and submit a Chaffey College application
- Attend an orientation session
- Take the Assessment test(s)
- Create an Educational Plan with a counselor

CONTINUING STUDENTS: To maintain your preferred registration and financial aid eligibility, you must:

- Remain in Good Academic Standing (2.0 GPA or above)
- Not have exceeded 100 units earned (excluding 500-level courses)

Per the Student Success Act of 2012, Senate Bill 1456, signed into law in September 2012.  
See www.chaffey.edu/student-success for more info

Additional sections of some classes may be available; check the Chino and Fontana sections.
### Art History (ART)

(Also see Art) 909/652-6066

**ART-3 Survey of Western Art From Prehistory Through the Middle Ages**

Survey of the architecture, sculpture, and painting of past cultures from the ancient beginnings of art of the Western World through the Medieval period. (C-ID ARTH 110) 3.00 UNITS

Materials Fee: $1.00  Transfer: CSU; UC

Grading: Letter grade only

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<tr>
<td>83580</td>
<td>J. Machado</td>
<td>11:00am-2:30pm</td>
<td>MW</td>
<td>CAA-211</td>
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<td>Last day to add: 06/14/15</td>
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### Astronomy (ASTRON)

909/652-6404

**ASTRON-26 Stars and Galaxies**

Overview of the universe beyond our solar system. 3.00 UNITS

Advisory: Completion of MATH-410.  

Materials Fee: $2.00  Transfer: CSU

Grading: Letter grade only

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<td>R. Khan</td>
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<td>PL-02</td>
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<td>Last day to add: 06/15/15</td>
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<tr>
<td>83393</td>
<td>M. Thelling</td>
<td>11:00am-2:30pm</td>
<td>TTH</td>
<td>PL-02</td>
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<td>Last day to add: 06/15/15</td>
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### Automotive Technology (AUTOTEC)

909/652-6859

**AUTOTEC-10 Service and Repair**

Introduction to the automotive service industry. Basic principles of the operation of engines, transmissions, driveline, steering, suspension and braking systems, and heating and air conditioning systems. 4.00 UNITS

Materials Fee: $5.00  Transfer: CSU

Grading: Letter grade only

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<tr>
<td>83751</td>
<td>V. Martinez</td>
<td>11:00am-2:30pm</td>
<td>MTWTH</td>
<td>ATL-121</td>
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<td>Last day to add: 06/15/15</td>
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**AUTOTEC-15 Automotive Electricity and Electronics**

Basic automotive electricity and electronics. Diagnosis of typical automotive electrical concerns using wiring diagrams and schematics. Emphasis on the use of digital multimeters for troubleshooting. 2.00 UNITS

Materials Fee: $0.00  Transfer: CSU

Grading: Letter grade only

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<tr>
<td>83752</td>
<td>W. Cherry</td>
<td>8:00am-9:45am</td>
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<td>Last day to add: 06/15/15</td>
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### Aviation Maintenance Technology (AMT)

**AMT-16A**  
**Aviation Materials, Processes, Inspections and Regulations**  
1.00 UNITS  
Corequisite: AMT-15 (may be taken previously).  
General Aeronautics laboratory that fulfills FAA practical aeronautical applications lab hours in aerodynamics, FAA and manufacturer’s publication, aircraft materials and processes, blueprint reading, aircraft servicing and mathematics.  
Materials Fee: $0.00  
Grading: Letter grade only  
Transfer: CSU

**AMT-16B**  
**Aviation Science**  
1.00 UNITS  
Corequisite: AMT-15 (may be taken previously).  
General aeronautics laboratory that fulfills FAA practical aeronautical applications lab hours in physics, weight and balance, electricity and mathematics.  
Materials Fee: $0.00  
Grading: Letter grade only  
Transfer: CSU

**AMT-28A**  
**Powerplant: Reciprocating Engine Inspection**  
1.00 UNITS  
Prerequisite: AMT-15 (or AMT-12).  
Corequisite: AMT-25 (may be taken previously).  
Powerplant laboratory course to fulfill FAA practical applications relating to aircraft reciprocating engine inspection, airworthiness directives, and type certificate data sheet compliance. Projects include reciprocating engine on-wing inspection (50 and 100 hour) for continued airworthiness, airworthiness directive and type certificate data sheet compliance.  
Materials Fee: $0.00  
Grading: Letter grade only  
Transfer: CSU

**AMT-38A**  
**Airframe Structure: Structure Fabrication**  
1.00 UNITS  
Prerequisite: AMT-15 (or AMT-12).  
Corequisite: AMT-35 (may be taken previously).  
Airframe laboratory course to fulfill FAA practical applications relating to fabricating airframe structural components, paint application techniques, and inspections of painted surfaces.  
Materials Fee: $0.00  
Grading: Letter grade only  
Transfer: CSU

### Biology (BIOL)

**BIOL-1**  
**General Biology**  
4.00 UNITS  
Introduction to the major themes and principles in biology. Topics range from molecules to the ecosystem.  
Materials Fee: $2.00  
Transfer: CSU; UC credit limitations  
Grading: Letter grade only  
83394 B.Gadd  
8:00am-9:45am  
MTWTH AERO-1A  
and  
10:00am-1:30pm  
THH BL-108  
06/08/15-07/28/15  
Last day to add: 06/15/15

**BIOL-20**  
**Human Anatomy**  
4.00 UNITS  
Prerequisite: Eligibility for ENGL-1A as determined by the Chaffey assessment process, or satisfactory completion of ENGL-475 or ESL-475.  
Study of the microscopic and macroscopic structures of the human body.  
Materials Fee: $1.00  
Transfer: CSU; UC  
Grading: Letter grade only  
83398 D.Dutton  
10:00am-11:45am  
MTWTH AERO-1A  
and  
12:00pm-3:30pm  
MW ZH-123  
06/08/15-07/28/15  
Last day to add: 06/15/15

**BIOL-23**  
**General Microbiology**  
3.00 UNITS  
Prerequisite: BIOL-22 or 61.  
Introduction to microbiology with strong emphasis on microorganisms pathogenic to humans.  
Materials Fee: $1.00  
Transfer: CSU; UC  
Grading: Letter grade only  
83404 R.Cobos  
8:00am-9:45am  
MTWTH ZH-123  
06/08/15-07/28/15  
Last day to add: 06/15/15

**BIOL-23L**  
**General Microbiology Laboratory**  
2.00 UNITS  
Corequisite: BIOL-23 (may be taken previously).  
Introduction to microbiology laboratory techniques. Methods of culturing, staining, biochemically analyzing, and classifying microorganisms.  
NOTE: Attendance ON TIME at the first class meeting is MANDATORY!  
Materials Fee: $2.00  
Transfer: CSU; UC  
Grading: Letter grade only  
83405 R.Cobos  
10:00am-1:30pm  
MTWTH BL-104  
06/08/15-07/28/15  
Last day to add: 06/15/15

### Business (BUS)

**BUS-10**  
**Introduction to Business**  
3.00 UNITS  
Multidisciplinary examination of how culture, society, economic systems, legal, international, political, financial institutions, and human behavior interact to affect a business organization’s policy and practices within the U.S. and a global society.  
(C-ID BUS 110)  
Materials Fee: $0.00  
Transfer: CSU; UC  
Grading: Letter grade only  
83753 A.McDaniel-Smith  
11:00am-2:30pm  
MW WH-142  
06/15/15-07/27/15  
Last day to add: 06/14/15

Additional sections of some classes may be available; check the Chino and Fontana sections.
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<tbody>
<tr>
<td><strong>BUS-28A Business Law I</strong></td>
<td>3.00 UNITS</td>
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<tr>
<td>U.S. and state law, Uniform Commercial Code, agency, due process, contract and tort law, crime, and ethics. Application of appropriate rules, laws, and concepts to factual scenarios in written and oral arguments. (C-ID BUS 125) Materials Fee: $0.00</td>
<td>Transfer: CSU; UC credit limitations</td>
<td>Grading: Letter grade only</td>
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<td>83765 S.Johnson</td>
<td>11:00am-2:30pm</td>
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<td>WH-142</td>
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**Chemistry (CHEM)**

If you are taking a chemistry lab course, you MUST attend the first class meeting or you will be dropped! All chemistry lab students must purchase a lab manual, splash-proof safety goggles, and a protective apron (available at campus bookstores), and bring them to the first class meeting!

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<tbody>
<tr>
<td><strong>CHEM-9 Health Science Chemistry</strong></td>
<td>5.00 UNITS</td>
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<tr>
<td>Advisory: Eligibility for Mathematics 425 as determined by the Chaffey assessment process, or completion of Mathematics 410 or 401. Introduction to the principles of chemistry, including inorganic chemistry, organic chemistry, and biochemistry. Intended for health science students; not a science major course. Materials Fee: $1.00</td>
<td>Transfer: CSU; UC credit limitations</td>
<td>Grading: Letter grade only</td>
<td>909/652-6404</td>
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<tr>
<td>83413 M.Agawal</td>
<td>8:00am-10:15am</td>
<td>MTWTH</td>
<td>ZH-122</td>
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<td>and</td>
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<td>CHEM-108</td>
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<td>83414 M.Agawal</td>
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<td>and</td>
<td>10:30am-2:00pm</td>
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<td>CHEM-108</td>
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**Child Development and Education (CDE)**

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<tbody>
<tr>
<td><strong>CDE-2 Child Growth and Development</strong></td>
<td>3.00 UNITS</td>
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<tr>
<td>Advisory: Proof of negative tuberculosis test within the past 12 months may be required for some site visits. Introductory course examining the major physical, psychosocial, and cognitive/language developmental milestones for children - both typical and atypical - from conception to adolescence. (C-ID CDEV 100) Materials Fee: $0.00</td>
<td>Transfer: CSU; UC credit limitations</td>
<td>Grading: Letter grade only</td>
<td>909/652-6253</td>
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<tr>
<td>83565 G.Lanz</td>
<td>11:00am-2:30pm</td>
<td>MTWTH</td>
<td>SS-101</td>
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<td>06/08/15-07/28/15</td>
<td>Last day to add: 06/15/15</td>
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<td>83567 L.Marcotte</td>
<td>7:00pm-10:30pm</td>
<td>TTH</td>
<td>CD-124A</td>
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<tbody>
<tr>
<td><strong>CDE-4 Child, Family and Community</strong></td>
<td>3.00 UNITS</td>
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<tr>
<td>Advisory: Proof of a negative tuberculosis test within the past 12 months may be required for some site visits. An examination of the developing child in a societal context, focusing on the interrelationship of family, school and community and emphasizing historical and socio-cultural factors. (C-ID CDEV 110) Materials Fee: $0.00</td>
<td>Transfer: CSU</td>
<td>Grading: Letter grade only</td>
<td>909/652-6253</td>
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<tr>
<td>83567 G.Lanz</td>
<td>10:00am-11:45am</td>
<td>MTWTH</td>
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**BUSOT-40A Beginning Computer Keyboarding** | 3.00 UNITS |  |  |  |
| Beginning computer keyboarding with mastery of alphabetic and numeric keyboard and correct touch-typing techniques. Introduction to the personal computer, word processing, and disk management. Materials Fee: $3.00. | Transfer: CSU | Grading: Letter grade only | 909/652-6830 |
| 83757 STAFF | 8:00am-9:45am | MTWTH | VSS-205 |
| 06/08/15-07/28/15 | Last day to add: 06/15/15 |
| (more sections at Chino and Fontana) |

**BUSOT-40B Computer Keyboarding:** | 3.00 UNITS |  |  |  |
| Speed and Accuracy Development Advisory: Completion of BUSOT-40A. Develop computer literacy. Analyze, evaluate, and improve keyboarding speed and accuracy using correct keying technique and specific prescriptive drills and practice. Proficiency certificate may be earned. Materials Fee: $3.00. | Transfer: CSU | Grading: Letter grade only | 909/652-6830 |
| 83760 STAFF | 10:00am-11:45am | MTWTH | VSS-205 |
| 06/08/15-07/28/15 | Last day to add: 06/15/15 |

**Visit our website at www.chaffey.edu for application and registration information.**
Cinema (CINEMA)

CINEMA-25 Survey of World Cinemas 3.00 UNITS
Historical introduction to motion pictures as an art form, through the viewing of international cinematic works.
Materials Fee: $1.00
Grading: Letter grade only

83582 D.Jacobo 11:00am-2:30pm MW CAA-218
06/08/15-07/27/15 Last day to add: 06/14/15
(Another section at Chino)

CINEMA-26 Survey of American Cinema 3.00 UNITS
Survey of American cinema from silent classics through contemporary commercial films.
Materials Fee: $1.00
Grading: Letter grade only

83584 D.Jacobo 11:00am-2:30pm TTH CAA-218
06/09/15-07/28/15 Last day to add: 06/15/15
(Another section at Chino)

Communication Studies (COMSTD)

COMSTD-2 Fundamentals of Effective Speaking 3.00 UNITS
Advisory: Eligibility for ENGL-1A as determined by the Chaffey assessment process, or completion of ENGL-475 or ESL-475.
Emphasis on preparing and delivering various types of speeches before an audience. Communication theory and speech criticism are included for student application. Oral assignments are required. (C-ID COMM 110)
Materials Fee: $4.00
Grading: Letter grade only

83448 C.Navarro 8:00am-9:45am MTWTH TA-1H
06/08/15-07/28/15 Last day to add: 06/15/15
83547 K.Deets 8:00am-9:45am MTWTH TA-1L
06/08/15-07/28/15 Last day to add: 06/15/15
83450 J.Alvarez 10:00am-11:45am MTWTH TA-1L
06/08/15-07/28/15 Last day to add: 06/15/15
83451 J.Alvarez 12:00pm-1:45pm MTWTH TA-1L
06/08/15-07/28/15 Last day to add: 06/15/15
83456 K.Allbee 5:00pm-6:45pm MTWTH TA-1L
06/08/15-07/28/15 Last day to add: 06/15/15
83457 J.Warhol 5:00pm-6:45pm MTWTH TA-1J
06/08/15-07/28/15 Last day to add: 06/15/15
83460 D.Schultz 7:00pm-8:45pm MTWTH TA-1L
06/08/15-07/28/15 Last day to add: 06/15/15
83827 S.Roberts 7:00pm-8:45pm MTWTH TA-1N
06/08/15-07/27/15 Last day to add: 06/14/15
(Another section at Chino and Fontana)

COMSTD-4 Fundamentals of Interpersonal Communication 3.00 UNITS
Advisory: Completion of ENGL-1A.
In-depth exploration of the variables of interpersonal communication processes as they occur in day-to-day, face-to-face human interaction. Oral assignments are required. (C-ID COMM 130)
Materials Fee: $4.00
Grading: Letter grade only

83455 K.Allbee 8:00am-9:45am MTWTH TA-1J
06/08/15-07/28/15 Last day to add: 06/15/15
83458 J.Warhol 7:00pm-8:45pm MTWTH TA-1J
06/08/15-07/28/15 Last day to add: 06/15/15

COMSTD-6 Fundamentals of Small Group Communication 3.00 UNITS
Advisory: Eligibility for ENGL-1A as determined by the Chaffey assessment process, or completion of ENGL-475 or ESL-475.
Develop confidence and competence as a group member and leader through a combination of theoretical and practical application of small group principles in everyday life. (C-ID COMM 140)
Materials Fee: $4.00
Grading: Letter grade only

83453 V.O’Saughnessy 12:00pm-1:45pm MTWTH TA-1J
06/08/15-07/28/15 Last day to add: 06/15/15
83454 B.Weed 7:00pm-8:45pm MTWTH TA-1N
06/08/15-07/28/15 Last day to add: 06/15/15

COMSTD-76 Gender & Communication 3.00 UNITS
Advisory: Completion of COMSTD-8, and eligibility for ENGL-1A as determined by the Chaffey assessment process, or satisfactory completion of ENGL-475 or ESL-475.
Examination of communication patterns existing between males and females. Communication problems relating to gender are addressed, along with listening, assertiveness, negotiation, and other conflict strategies. (C-ID COMM 180)
Materials Fee: $4.00
Grading: Letter grade only

83452 V.O’Saughnessy 10:00am-11:45am MTWTH TA-1J
06/08/15-07/28/15 Last day to add: 06/15/15
83458 K.Deets 12:00pm-1:45pm MTWTH TA-1H
06/08/15-07/28/15 Last day to add: 06/15/15
83459 M.Gougis 5:00pm-6:45pm MTWTH TA-1H
06/08/15-07/28/15 Last day to add: 06/15/15
83829 M.Gougis 7:00pm-8:45pm MTWTH TA-1H
06/08/15-07/28/15 Last day to add: 06/15/15

COMSTD-8 Fundamentals of Speech Communication 3.00 UNITS
Prerequisite: Eligibility for ENGL-1A as determined by the Chaffey assessment process, or satisfactory completion of ENGL-475 or ESL-475.
Fundamentals of human communication as they operate in a variety of contexts: interpersonal, small group, and public speaking. (C-ID COMM 180)
Materials Fee: $4.00
Grading: Letter grade only

83450 J.Alvarez 10:00am-11:45am MTWTH TA-1J
06/08/15-07/28/15 Last day to add: 06/15/15

JUST A REMINDER

FOOD AND DRINK ARE NOT APPROPRIATE IN
FORMAL INSTRUCTIONAL AREAS.
UNDER NO CIRCUMSTANCES IS FOOD OR DRINK
PERMITTED AT COMPUTER LAB STATIONS.

CREDIT CARD USERS
(VISA, MASTERCARD, AMERICAN EXPRESS AND DISCOVER)

To avoid standing in long lines, Chaffey recommends that you pay your fees online via MyChaffeyVIEW. Credit card payments are processed through the “Official Payments” vendor and have the same security measures whether you make your payment online via your home computer or in person.

Additional sections of some classes may be available; check the Chino and Fontana sections.
Computer Information Systems: Core (CIS)

909/652-6830

Many Computer Information Systems courses are taught online. See the Hybrid/Online area of this schedule for additional classes. Sections are also available at Chino and Fontana.

Dance (DANCE)

909/652-6066

DANCE-10A Jazz Dance IA 1.00 UNITS
Basic jazz dance, vocabulary, and dance technique.
Materials Fee: $1.00 Transfer: CSU; UC
Grading: Letter grade only
83586 Z.Cano 12:30pm-2:45pm TTH CAA-206
06/09/15-07/28/15 Last day to add: 06/15/15
DANCE-20A Modern Dance IA 1.00 UNITS
Basic modern dance skills and vocabulary emphasizing technique and creativity. Introduction to modern dance theory, history and criticism.
Materials Fee: $1.00 Transfer: CSU; UC
Grading: Letter grade only
83587 M.Jenkins 10:00am-12:15pm MW CAA-206
06/08/15-07/27/15 Last day to add: 06/14/15
DANCE-20B Modern Dance IB 1.00 UNITS
Limitation on Enrollment: Level placement pending instructor approval. Advisory: Completion of DANCE-20A.
Further development of modern dance vocabulary and dance skills at the advanced beginning level, with emphasis on technique and creativity.
Materials Fee: $1.00 Transfer: CSU; UC
Grading: Letter grade only
83588 M.Jenkins 10:00am-12:15pm MW CAA-206
06/08/15-07/27/15 Last day to add: 06/14/15

Disability Programs and Services (DPS)

909/652-6379

Students with specific disabilities or educational limitations should have a physician’s recommendation for class activities. This provides the instructor with the information necessary to tailor a program to the needs and capabilities of the individual student.

DPS-657 Vocational Skills for Students With Disabilities 0.00 UNITS
Open-entry/exit course for students with disabilities, teaching work skills that increased their earning potential and level of independence. Curriculum may include entry-level work skills, job retention skills, and interpersonal skill development. May be repeated. NOTE: Student must have been identified under Title V regulations as a Developmentally Delayed Learner. Students should have the willingness to work in large and small groups, individualized and/or laboratory settings, and the desire to develop work, reading, and money handling skills as related to a vocation and independent living. Student must not be injurious to self or others.

Drafting (DRAFT)

909/652-6404

DRAFT-20 Computer-Aided Drafting and Design 4.00 UNITS
Advisory: Completion of CIS-4 or Windows experience.
Introduction to Computer Aided Drafting and Design (CADD) technology, terminology, and application, using an industry-standard program. Emphasis on two-dimensional working drawings.
Materials Fee: $5.00 Transfer: CSU
Grading: Letter grade only
83390 M.Ortiz 7:00pm-10:30pm MTWTH VSS-103
06/08/15-07/28/15 Last day to add: 06/15/15

Earth Science (ESC)

909/652-6403

ESC-1 Earth Science 3.00 UNITS
Topics include geology, oceanography, meteorology, and planetology. (C-ID GEOL 120)
Materials Fee: $2.00 Transfer: CSU; UC
Grading: Letter grade only
83416 STAFF 10:00am-11:45am MTWTH PS-112
06/08/15-07/28/15 Last day to add: 06/15/15
83417 R.Wooerford 5:00pm-6:45pm MTWTH PS-112
06/08/15-07/28/15 Last day to add: 06/15/15

ESC-1L Earth Science Laboratory 1.00 UNITS
Corequisite: ESC-1 (may be taken previously).
Hands-on activities to reinforce lecture concepts using scientific tools and methods to image, measure and observe phenomenon in geology, oceanography, astronomy, meteorology. (C-ID GEOL 120L)
Materials Fee: $3.00 Transfer: CSU; UC
Grading: Letter grade only
83421 STAFF 8:00am-9:45am MTWTH PS-101
06/08/15-07/28/15 Last day to add: 06/15/15
83422 R.Wooerford 7:00pm-8:45pm MTWTH PS-101
06/08/15-07/28/15 Last day to add: 06/15/15

Visit our website at www.chaffey.edu for application and registration information.
### Economics (ECON)

**ECON-1 Introduction to Economics** 3.00 UNITS
Overview of basic economic theories and models. Contemporary economic issues including unemployment, growth, globalization, wealth and income distribution, the environment, regulation, deregulation, inflation, interest rates, price discrimination, corporations and labor unions.
Materials Fee: $0.00  Transfer: CSU; UC credit limitations
Grading: Letter grade only

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<tr>
<th>SECTION #</th>
<th>INSTRUCTOR</th>
<th>HOURS</th>
<th>DAYS</th>
<th>ROOM</th>
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ECON-2 Principles of Macroeconomics 3.00 UNITS
Prerequisite: Eligibility for MATH-425 as determined by the Chaffey assessment process, or completion of MATH-410.
Advisory: Completion of MATH-425.
Study of market systems, aggregate measures of economic activity, macroeconomic equilibrium, money and financial institutions, monetary and fiscal policy, international economics, and economic growth. (C-ID ECON 202)
Materials Fee: $0.00  Transfer: CSU; UC
Grading: Letter grade only

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<th>INSTRUCTOR</th>
<th>HOURS</th>
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<tr>
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<td>83656</td>
<td>S.Nowakhtar</td>
<td>7:00pm-10:30pm TTH</td>
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ECON-4 Principles of Microeconomics 3.00 UNITS
Prerequisite: Eligibility for MATH-425 as determined by the Chaffey assessment process, or completion of MATH-410.
Advisory: Completion of MATH-425.
Study of the choices of individual economic decision-makers on markets, taxation, production, scarcity, competition, monopoly, and regulation. Effects of taxes on individuals and businesses; income distribution and poverty; economics of race, gender, and culture; and market failure. (C-ID ECON 201)
Materials Fee: $0.00  Transfer: CSU; UC
Grading: Letter grade only

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### Emergency Medical Technician (EMT)

**EMT-410 Emergency Medical Technician** 6.50 UNITS
Limitation on Enrollment: Student must be 18 years or older at the start of the course, and possess a current American Heart Association Health Care Provider CPR card.
Prerequisite: EMT-405.
Advisory: Students should possess good dexterity and have good physical condition with the ability to lift 150 pounds and work in confined areas and in different positions (e.g. on the ground or floor).
Basic rescue skills needed for assessment, immediate treatment and transport of urgently ill or injured clients. Preparation for National Registry and the ICEMA certifying exam. Materials Fee: $6.50  Grading: Letter grade only

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<td>83367</td>
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### Engineering (ENGIN)

**ENGIN-30 Engineering Applications of Digital Computation** 3.00 UNITS
Prerequisite: MATH-654.
Structured programming concepts applied to engineering problem types.
Material Fee: $1.00  Transfer: CSU; UC
Grading: Letter grade only

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<th>SECTION #</th>
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<td>83391</td>
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<td>7:00pm-9:15pm MW</td>
<td>PS-122</td>
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<td>and</td>
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<td>7:00pm-10:30pm TTH</td>
<td>PS-122</td>
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<td>06/08/15-07/28/15</td>
<td>Last day to add: 06/15/15</td>
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### English (ENGL)

**ENGL-1A Composition** 3.00 UNITS
Prerequisite: Eligibility for ENGL-1A as determined by the Chaffey assessment process, or successful completion of ENGL-450, ENGL-475, ESL-450, ESL-475, or READ-550.
Study and practice of expository and argumentative writing techniques. Frequent writing of compositions, with the ultimate goal of writing a research paper. A minimum of 6,000 written words are expected in the course. Three hours of supplemental learning in a Success Center that supports this course is required. (C-ID ENGL 100)
Materials Fee: $2.00  Transfer: CSU; UC
Grading: Letter grade only

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<tr>
<td>83483</td>
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Additional sections of some classes may be available; check the Chino and Fontana sections.
### ENGL-1B Advanced Composition and Critical Thinking

**Prerequisite: ENGL-1A.**

Students incorporate rhetorical strategies in analysis and researched argumentation. Focus on logical reasoning, credibility, and emotional appeals. Writing intensive with a minimum production of 6,000 words. (C-ID ENGL 105)

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<th>SECTION #</th>
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<tr>
<td>83499 C.Steffen</td>
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<td>83495 W.Watnik</td>
<td>7:00pm-8:45pm</td>
<td>MTWTH</td>
<td>LA-111</td>
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</tbody>
</table>

Graduation: Letter grade only

### ENGL-1C Introduction to Literature

**Prerequisite: ENGL-1A.**

Foundation course in the study of the literary genres: novel, short story, poetry, and drama. (C-ID ENGL 120)

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<th>SECTION #</th>
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<tbody>
<tr>
<td>83483 C.Williams</td>
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<td>MTWTH</td>
<td>LA-100</td>
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</table>

Materials Fee: $1.00

Graduation: Letter grade only

### ENGL-475 Fundamentals of College Reading and Writing

**Prerequisite: Eligibility for ENGL-475 as determined by the Chaffey assessment process, or successful completion of ENGL-550 or 575, or READ-530, or BUSOT-455.**

Careful study and practice of critical thinking, reading, and expository writing techniques, using primarily nonfiction texts, and the frequent writing of compositions with the ultimate goal of writing an essay using sources. Preparation for English 1A and a variety of academic disciplines. Five hours of supplemental learning in a Success Center that supports this course are required.

Materials Fee: $2.00

Graduation: Letter grade only

### ENGL-575 Introduction to College Reading and Writing

**Prerequisite: Eligibility for ENGL-575 as determined by the Chaffey assessment process, or successful completion of ENGL-550 or READ-520.**

Introduction to the academic reading, writing, critical thinking, and study skills expected at the college level with the ultimate goal of producing clear, competent essays. Seven hours of supplemental learning in a Success Center that supports this course are required.

Materials Fee: $2.00

Graduation: Letter grade only

### Reading & Writing Course Sequence

The ability to think, reason and communicate using written language is an essential skill. Starting with the right class for you will ensure your success and help you complete the required writing course in the shortest amount of time. Consult with a counselor for the skills needed for success in each class.

![Reading & Writing Course Sequence Diagram](https://via.placeholder.com/150)

*Dependent upon the re-assessment results, students move on to ENGL-575 or are advised to retake ENGL-675.*

Additional sections of some classes may be available; check the Chino and Fontana sections.
**English as a Second Language (ESL)**

**ESL-508 Pronunciation of American English** 3.00 UNITS

Prerequisite: Placement recommendation by the ESL assessment test into ESL-544, 546, or 548 or higher level course, or satisfactory completion of ESL-534, 536, or 538.

Intensive instruction speaking and pronunciation skills to improve fluency and minimize accents. Topics include: consonants and vowels, pitch and intonation patterns, rhythm, and sound reductions. Eight hours of supplemental learning in a Success Center that supports this course is required.

Materials Fee: $0.00  
Grading: Pass/No Pass only

| ENGL-575 or ENGL-550, or READ-530 | | 83427 S. Justice | 7:15am-10:45am MW | PS-102 |
| ENGL-500 or READ-520 | | 06/08/15-07/27/15 | Last day to add: 06/14/15 |
| ENGL-675 or ENGL-500, or READ-520 | | | |

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**Student Success Centers**

Chaffey’s Student Success Centers provide free tutoring, workshops, study groups, library and Internet research opportunities, and focused learning activities to assist students in their academic development and success.

In Summer, the Multi-Disciplinary Success Center is consolidated with the ESL/Language and Reading/Writing Success Centers in BEB-101.

Locations, phone numbers, and hours are:

- **Language Success Center, BEB-101 • 909/652-6907**
  - (Greg Creel, Instructional Specialist)
  - Monday-Thursday 9am-7pm • Friday Closed

- **Mathematics Success Center, MATH-121 • 909/652-6452**
  - (Garrett Kenehan, Instructional Specialist)
  - Monday-Thursday 9am-7pm • Friday Closed

- **Multidisciplinary Success Center, BEB-101 • 909/652-6932**
  - (Rose Ann Osmanian, Instructional Specialist)
  - Monday-Thursday 9am-7pm • Friday Closed

- **Reading/Writing Success Center, BEB-101 • 909/652-6820**
  - (Rob Rundquist, Instructional Specialist)
  - Monday-Thursday 9am-7pm • Friday Closed

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**Geography (GEOG)**

**GEOG-4 Physical Geography** 3.00 UNITS

Spatial study of the Earth’s dynamic physical systems and processes, including Earth-sun geometry, weather, climate, water, landforms, soil, and the biosphere.  
(C-ID GEOG 110)

Materials Fee: $2.00  
Transfer: CSU; UC

Grading: Letter grade only

| 83424 M. Bayle | 11:00am-2:30pm MW | PS-102 |
| 06/08/15-07/27/15 | Last day to add: 06/14/15 |
| (another section at Fontana) |

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**GEOG-11 Human Geography** 3.00 UNITS

Study of diverse human populations, their cultural origins, diffusion and contemporary spatial expressions. Topics include demography, languages and religions, urbanization and landscape modification, political units and nationalism, and economic systems and development. (C-ID GEOG 120)

Materials Fee: $2.00  
Transfer: CSU; UC

Grading: Letter grade only

| 83427 S. Justice | 7:15am-10:45am MTWTH TA-1N |
| 06/08/15-07/27/15 | Last day to add: 06/14/15 |

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**ATTENTION STUDENTS**

Reading and English have been combined. Use the grid below to determine what course you should take based on what course(s) you’ve successfully completed or assessed into:

<table>
<thead>
<tr>
<th>If you assessed into... OR</th>
<th>If you passed one of these classes...</th>
<th>You should register for...</th>
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<tbody>
<tr>
<td>ENGL-1A</td>
<td>ENGL-475 or ENGL-450, or ESL-475 or ESL-450, or READ-550</td>
<td>ENGL-1A</td>
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<td>ENGL-575 or ENGL-550, or READ-530 or BUSOT-455</td>
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<td>ENGL-675 or ENGL-500, or READ-520</td>
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**Student Health Services**

First Aid • Doctor’s Visits • Counseling  
Immunizations • Lab Tests

Call (909) 652-6331 for same day appointments

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**FEE REFUNDS**

Refunds of $20 or more are automatically processed.

Refunds of less than $20 must be requested.

See page 19 for more information on the refund policy and processes.
Gerontology (GERO)

GERO-18  Aging and the Life Course  3.00 UNITS
Social, cultural, economic, gender, ethnic, and policy issues affecting an aging society, viewed from the gerontological perspective.
Materials Fee: $1.00  Transfer: CSU; UC credit limitations
NOTE: Earns 54 hours of CE credit: RCFE, NHAP, BRN#00426, and BBS#2178.
Grading: Letter grade only

83337  S.Yoakum 7:00pm-10:30pm TTH HS-101
06/08/15-07/27/15 Last day to add: 06/14/15

Guidance (GUID)

GUID-2  Essentials of Student Success  2.00 UNITS
Designed to increase student proficiency and retention in college. Topics include: learning styles, study and time management techniques, motivation, library research methods, critical thinking, memory and reading strategies, and others.
Materials Fee: $0.00  Transfer: CSU
Grading: Letter grade only

83681  A.Borghi 10:00am-12:15pm MW CAA-215
06/08/15-07/27/15 Last day to add: 06/14/15
83780  M.Andrade 12:30pm-2:45pm TTH PS-121
06/09/15-07/28/15 Last day to add: 06/15/15
83781  STAFF 12:30pm-2:45pm TTH CAA-215
06/09/15-07/28/15 Last day to add: 06/15/15
83619  STAFF 7:00pm-9:15pm TTH CAA-215
06/09/15-07/28/15 Last day to add: 06/15/15

GUID-3  Career Exploration and Life Planning  3.00 UNITS
Career and life planning for students seeking direction in setting life, academic and career goals. Topics include problem-solution approaches; evaluation of values, interests, skills, and personality characteristics; academic learning strategies; and career investigation.
Materials Fee: $0.00  Transfer: CSU; UC credit limitations
Grading: Letter grade only

83782  STAFF 8:00am-9:45am MTWTH PS-121
06/08/15-07/28/15 Last day to add: 06/14/15
83685  B.Mansouri 10:00am-11:45am MTWTH WH-161
06/08/15-07/28/15 Last day to add: 06/15/15
83783  M.Ramirez-Money 10:00am-11:45am MTWTH PS-121
06/08/15-07/28/15 Last day to add: 06/14/15
83688  K.Sanchez 12:00pm-1:45pm MTWTH WH-161
06/08/15-07/28/15 Last day to add: 06/15/15

GUIDANCE 650
This course provides tutoring assistance to students currently enrolled in another Chaffey College credit or non-credit course. Enrollment in GUID-650 may be accomplished during registration or at any time during the term in any Success Center. A current Chaffey student ID is required to access this service.

Visit our website at www.chaffey.edu for application and registration information.
Kinesiology: Activity (KINACT)

KINACT-24 Low Impact Aerobics 1.00 UNITS
High energy, low impact aerobic exercises stressing good posture, proper warm-ups and cool-downs, strength, flexibility, and endurance exercise. Designed for beginning students.
Materials Fee: $2.00  Transfer: CSU; UC credit limitations
Grading: Letter grade only
83728 L. Harlow 7:00pm-8:45pm MTWTH G-203
06/08/15-07/28/15 Last day to add: 06/15/15

KINACT-25 Spinning for Fitness 1.00 UNITS
Use of indoor cycling bikes for improving overall physical fitness and health. Students develop a safe and efficient spinning program designed to meet their fitness goals. Suitable for both genders and all fitness levels.
Materials Fee: $2.00  Transfer: CSU; UC credit limitations
Grading: Letter grade only
83739 R. Hadaway 8:00am-9:45am MTWTH MOD-2
06/08/15-07/28/15 Last day to add: 6/15/15

KINACT-29A Beginning Body Conditioning 1.00 UNITS
Basic exercises for the development of major muscle groups, with emphasis on muscular strength, endurance and flexibility.
Materials Fee: $1.00  Transfer: CSU
Grading: Letter grade only
83731 J. Harlow 8:00am-9:45am MTWTH G-205
06/08/15-07/28/15 Last day to add: 06/15/15
83730 R. Hadaway 10:00am-11:45am MTWTH G-205
06/08/15-07/28/15 Last day to add: 06/15/15
83732 C. Walters 7:00pm-8:45pm MTWTH G-205
06/08/15-07/28/15 Last day to add: 06/15/15

KINACT-31 Introduction to Self-Defense and Personal Safety 1.00 UNITS
Beginning and foundation course in personal safety. Basic martial arts techniques for self-defense, covering safety and defense in a technical and practical framework.
Materials Fee: $1.00  Transfer: CSU; UC credit limitations
Grading: Letter grade only
83699 T. Oduwole 8:00am-9:45am MTWTH G-GYM
06/08/15-07/28/15 Last day to add: 06/15/15
83700 T. Oduwole 10:00am-11:45am MTWTH G-GYM
06/08/15-07/28/15 Last day to add: 06/15/15

Kinesiology: Team (KINTM)

KINTM-1A Football Team Activity 0.50 UNITS
Limitation on Enrollment: Enrollment is based on a successful tryout. Advisory: Competitive football background is recommended.
Information and practice in the development of football basic skills and techniques. Instructor consent required for enrollment. May be taken 4 times.
Materials Fee: $3.00  Transfer: CSU
Grading: Letter grade only
83709 D. Portz 3:00pm-4:30pm TWTH G-AR/FIELD
06/23/15-07/28/15 Last day to add: 06/24/15
SECT 83709: This section is for offense players. Instructor signature required for enrollment.
83711 K. Harris 3:00pm-4:30pm TWTH G-AR/FIELD
06/23/15-07/28/15 Last day to add: 06/24/15
SECT 83711: This section is for defense players. Instructor signature required for enrollment.

Additional sections of some classes may be available; check the Chino and Fontana sections.
KINTM-2  Volleyball Team Activity, Women  1.00 UNITS
Limitation on Enrollment: Enrollment is based on a successful tryout.
Designed for women interested in learning competitive volleyball and joining the women’s intercollegiate team. Instructor consent required for enrollment. May be taken 4 times. Materials Fee: $1.00  Transfer: CSU; UC credit limitations Grading: Letter grade only
83712 L.Choven  3:00pm-4:45pm  MTWTH  G-GYM
06/08/15-07/28/15 Last day to add: 06/15/15
SECT 83712: Instructor signature required for enrollment.

KINTM-3  Basketball Team Activity, Women  1.00 UNITS
Limitation on Enrollment: Enrollment is based on a successful tryout.
Focus on history, conditioning, rules, and fundamental and advanced skills needed for competitive women’s basketball. Instructor consent required for enrollment. May be taken 4 times. Materials Fee: $1.00  Transfer: CSU; UC credit limitations Grading: Letter grade only
83702 L.Burnett  1:00pm-2:38pm  MTWTH  SPRT-GYM
06/08/15-07/28/15 Last day to add: 06/15/15
SECT 83702: Instructor signature required for enrollment.

KINTM-4  Water Polo Team Activity, Women  1.00 UNITS
Limitation on Enrollment: Enrollment is based on a successful tryout.
Rules, etiquette, history, and advanced skills for competitive water polo play. Designed for prospective women’s water polo team participants. Instructor consent required for enrollment. May be taken 4 times. Materials Fee: $1.00  Transfer: CSU; UC credit limitations Grading: Letter grade only
83717 G.Cooper  10:00am-11:45am  MTWTH  G-SC/FIELD
06/08/15-07/28/15 Last day to add: 06/15/15
SECT 83717: Instructor signature required for enrollment.

KINTM-5  Water Polo Team Activity, Men  1.00 UNITS
Limitation on Enrollment: Enrollment is based on a successful tryout.
Rules, etiquette, history, and advanced skills for competitive water polo play. Designed for prospective men’s water polo intercollegiate team participant. Instructor consent required for enrollment. May be taken 4 times. Materials Fee: $1.00  Transfer: CSU; UC credit limitations Grading: Letter grade only
83710 C.Carlson  4:00pm-5:38pm  MTWTH  G-POOL
06/08/15-07/28/15 Last day to add: 06/15/15
SECT 83710: Instructor signature required for enrollment.

KINTM-6  Basketball Team Activity, Men  1.00 UNITS
Limitation on Enrollment: Enrollment is based on a successful tryout.
Designed for men interested in playing competitive men’s basketball. Instructor consent required for enrollment. May be taken 4 times. Materials Fee: $1.00  Transfer: CSU; UC credit limitations Grading: Letter grade only
83701 P.Harris  3:00pm-4:38pm  MTWTH  SPRT-GYM
06/08/15-07/28/15 Last day to add: 06/15/15
SECT 83701: Instructor signature required for enrollment.

KINTM-9  Water Polo Team Activity, Women  1.00 UNITS
Limitation on Enrollment: Enrollment is based on a successful tryout.
Rules, etiquette, history, and advanced skills for competitive water polo play. Designed for prospective competitive men’s water polo team participants. Instructor consent required for enrollment. May be taken 4 times. Materials Fee: $1.00  Transfer: CSU; UC credit limitations Grading: Letter grade only
83703 J.Moon-Spalding  4:00pm-5:38pm  MTWTH  G-POOL
06/08/15-07/28/15 Last day to add: 06/15/15
SECT 83703: Instructor signature required for enrollment.

KINTM-10  Soccer Team Activity, Men  1.00 UNITS
Limitation on Enrollment: Enrollment is based on a successful tryout.
Information and practice to develop basic soccer skills, techniques, and strategies. Designed for men interested in playing competitive soccer at the college level. Instructor consent required for enrollment. May be taken 4 times. Materials Fee: $1.00  Transfer: CSU; UC credit limitations Grading: Letter grade only
83714 J.Moon-Spalding  10:00am-11:38am  MTWTH  G-SC/FIELD
06/08/15-07/28/15 Last day to add: 06/15/15
SECT 83714: Instructor signature required for enrollment.

KINTM-11  Soccer Team Activity, Women  1.00 UNITS
Limitation on Enrollment: Enrollment is based on a successful tryout.
Information and practice to develop basic soccer skills, techniques, and strategies. Designed for women interested in playing competitive soccer at the college level. Instructor consent required for enrollment. May be taken 4 times. Materials Fee: $1.00  Transfer: CSU; UC credit limitations Grading: Letter grade only
83715 J.Moon-Spalding  8:00am-9:38am  MTWTH  G-SC/FIELD
06/08/15-07/28/15 Last day to add: 06/15/15
SECT 83715: Instructor signature required for enrollment.

KINTM-12  Soccer Team Activity, Women  1.00 UNITS
Limitation on Enrollment: Enrollment is based on a successful tryout.
Information and practice to develop basic soccer skills, techniques, and strategies. Designed for women interested in playing competitive soccer at the college level. Instructor consent required for enrollment. May be taken 4 times. Materials Fee: $1.00  Transfer: CSU; UC credit limitations Grading: Letter grade only
83716 J.Moon-Spalding  12:00pm-1:38pm  MTWTH  G-SC/FIELD
06/08/15-07/28/15 Last day to add: 06/15/15
SECT 83716: Instructor signature required for enrollment.

KINTM-13  Soccer Team Activity, Men  1.00 UNITS
Limitation on Enrollment: Enrollment is based on a successful tryout.
Information and practice to develop basic soccer skills, techniques, and strategies. Designed for men interested in playing competitive soccer at the college level. Instructor consent required for enrollment. May be taken 4 times. Materials Fee: $1.00  Transfer: CSU; UC credit limitations Grading: Letter grade only
83713 J.Moon-Spalding  10:00am-11:45am  MTWTH  G-SC/FIELD
06/08/15-07/28/15 Last day to add: 06/15/15
SECT 83713: Instructor signature required for enrollment.

KINTM-14  Soccer Team Activity, Men  1.00 UNITS
Limitation on Enrollment: Enrollment is based on a successful tryout.
Information and practice to develop basic soccer skills, techniques, and strategies. Designed for men interested in playing competitive soccer at the college level. Instructor consent required for enrollment. May be taken 4 times. Materials Fee: $1.00  Transfer: CSU; UC credit limitations Grading: Letter grade only
83718 J.Moon-Spalding  10:00am-11:45am  MTWTH  G-SC/FIELD
06/08/15-07/28/15 Last day to add: 06/15/15
SECT 83718: Instructor signature required for enrollment.

KINTM-15  Soccer Team Activity, Women  1.00 UNITS
Limitation on Enrollment: Enrollment is based on a successful tryout.
Information and practice to develop basic soccer skills, techniques, and strategies. Designed for women interested in playing competitive soccer at the college level. Instructor consent required for enrollment. May be taken 4 times. Materials Fee: $1.00  Transfer: CSU; UC credit limitations Grading: Letter grade only
83719 J.Moon-Spalding  10:00am-11:45am  MTWTH  G-SC/FIELD
06/08/15-07/28/15 Last day to add: 06/15/15
SECT 83719: Instructor signature required for enrollment.

KINTM-62  Football Strength and Conditioning for  1.00 UNITS
Athletes
Limitation on Enrollment: Concurrent or previous enrollment in any Football KINTM course.
Advanced sport-specific drills and exercises for basketball athletes. Exercises are prescribed by the instructor and are tailored to the physical demands of the sport and individuals’ capabilities. May be taken four times. Materials Fee: $0.00  Transfer: CSU Grading: Letter grade only
83706 P.Roberts  8:00am-9:38am  MTWTH  G-111
06/08/15-07/28/15 Last day to add: 06/15/15
SECT 83706: Instructor signature required for enrollment.
83705 P.Roberts  10:00am-11:38am  MTWTH  G-111
06/08/15-07/28/15 Last day to add: 06/15/15
SECT 83705: Instructor signature required for enrollment.
83704 P.Roberts  12:00pm-1:38pm  MTWTH  G-111
06/08/15-07/28/15 Last day to add: 06/15/15
SECT 83704: Instructor signature required for enrollment.

NEED HELP WITH THE COST OF TEXTBOOKS?
Chaffey’s Emergency Book Grant and Textbook Rental programs can assist you. For details about the book grants, please call 909/652-6590 or 6577. For more info about the rental program, please call 909/652-6577.
Textbook vouchers are valid only at Chaffey College bookstores and are not accepted at commercial bookstores or websites.
Above programs funded by the Chaffey College Service Fee.

Visit our website at www.chaffey.edu for application and registration information.

Additional sections of some classes may be available; check the Chino and Fontana sections.
KINTM-65A Water Polo Strength and Conditioning 0.50 UNITS for Athletes

Limitation on Enrollment: Concurrent or previous enrollment in any Water Polo KINTM course.
Advanced sport-specific drills and exercises for water polo athletes. Exercises are prescribed by the instructor and are tailored to the physical demands of the sport and individuals’ capabilities. May be taken four times.
Materials Fee: $1.00 Transfer: CSU
Grading: Letter grade only

83707 P.Roberts 2:30pm-3:20pm MTWTH G-111
06/08/15-07/28/15 Last day to add: 06/15/15
SECT 83707: This section is for men’s water polo athletes. Instructor signature required for enrollment.

KINTM-67A Swimming Strength and Conditioning 0.50 UNITS for Athletes

Limitation on Enrollment: Concurrent or previous enrollment in any Swimming KINTM course.
Advanced sport-specific drills and exercises for swimming athletes. Exercises are prescribed by the instructor and are tailored to the physical demands of the sport and individuals’ capabilities. May be taken four times.
Material Fee: $1.00 Transfer: CSU
Grading: Letter grade only

83708 P.Roberts 2:30pm-3:20pm MTWTH G-111
06/08/15-07/28/15 Last day to add: 06/15/15
SECT 83708: This section is for women’s swim athletes. Instructor signature required for enrollment.

Mathematics (MATH)
(Also see Statistics) 909/652-6403

MATH-25 College Algebra 4.00 UNITS
Prerequisite: MATH-25 as determined by the Chaffey assessment process, or completion of MATH-425.
Topics include solutions to higher degree polynomial equations: functions, polynomial, rational, inverse, etc.
Materials Fee: $1.00 Transfer: CSU; UC credit limitations
Grading: Letter grade only

83341 J.Brouwer 7:30am-9:45am MTWTH MATH-112
06/08/15-07/28/15 Last day to add: 06/15/15
83343 J.Brouwer 10:00am-12:15pm MTWTH MATH-112
06/08/15-07/28/15 Last day to add: 06/15/15
83344 M.Tavakoli 10:00am-12:15pm MTWTH MATH-113
06/08/15-07/28/15 Last day to add: 06/15/15
83347 S.Bahk 10:00am-12:15pm MTWTH HS-127
06/08/15-07/28/15 Last day to add: 06/15/15
83349 W.Breden 12:30pm-2:45pm MTWTH VSS-201
06/08/15-07/28/15 Last day to add: 06/15/15
83345 G.Antashyan 7:00pm-9:15pm MTWTH MATH-112
06/08/15-07/28/15 Last day to add: 06/15/15
83348 E.Kim 7:00pm-9:15pm MTWTH HS-127
06/08/15-07/28/15 Last day to add: 06/15/15
83350 H.Croft-Seidler 7:00pm-9:15pm MTWTH VSS-208
06/08/15-07/28/15 Last day to add: 06/15/15
(more sections at Chino and Fontana)

MATH-31 Plane Trigonometry 4.00 UNITS
Prerequisite: MATH-25.
Advisory: Completion of 1 year high school geometry.
Topics include trigonometric functions, radian measure, graphs, inverse trigonometric functions, vectors, and more. Students may be required to obtain a graphing utility for the course.
Materials Fee: $1.00 Transfer: CSU
Grading: Letter grade only

83381 R.Piamonte 7:00pm-9:15pm MTWTH MATH-113
06/08/15-07/28/15 Last day to add: 06/15/15

MATH-61 Pre-Calculus 4.00 UNITS
Prerequisite: Eligibility for MATH-61 as determined by the Chaffey assessment process, or completion of MATH-25 and 31.
Further studies in algebra and trigonometry for students intending to take calculus. NOTE: A graphing calculator is required; students should see instructor for specifics, since CAS-based calculators may be prohibited.
Materials Fee: $1.00 Transfer: CSU; UC credit limitations
Grading: Letter grade only

83382 E.Enright 7:30am-9:45am MTWTH VSS-201
06/08/15-07/28/15 Last day to add: 06/15/15

MATH-65A Calculus I 4.00 UNITS
Prerequisite: MATH-61.
Functions; limits and continuity; differentiation of algebraic, trigonometric, logarithmic, and exponential functions with applications; introduction to integration and the definite integral with applications. Students may be required to obtain a graphing utility for the course. (C-ID MATH 211)
Materials Fee: $4.00 Transfer: CSU; UC
Grading: Letter grade only

83820 R.Kopp 7:30am-9:45am MW MATH-114
06/08/15-07/27/15 Last day to add: 06/14/15

MATH-65B Calculus II 4.00 UNITS
Prerequisite: MATH-65A.
Applications of the definite integral including area, volume, arc length, surfaces of revolution, and more. Students may be required to obtain a graphing utility for the course. (C-ID MATH 221)
Materials Fee: $1.00 Transfer: CSU; UC
Grading: Letter grade only

83384 R.Kopp 10:00am-12:15pm MTWTH MATH-114
06/08/15-07/28/15 Last day to add: 06/15/15

MATH-75 Calculus III 5.00 UNITS
Prerequisite: MATH-65B.
Vectors; lines, planes, and surfaces in space; cylindrical and spherical coordinates; vector-valued functions; functions of several variables; differential calculus; and more. Students may be required to obtain a graphing utility for the course. (C-ID MATH 230)
Materials Fee: $1.00 Transfer: CSU; UC
Grading: Letter grade only

83385 D.Yegge 10:00am-12:45pm MTWTH PS-123
06/08/15-07/28/15 Last day to add: 06/15/15

Additional sections of some classes may be available; check the Chino and Fontana sections.
### Mathematics for Health Science 1.00 UNITS

Prerequisite: Eligibility for MATH-410 as determined by the Chaffey assessment process, or completion of MATH-520.

Course is targeted to students applying for the Nursing A.D.N. program. Topics include: metric, apothecary, and household systems of measurement; system conversions; adult and child dosages, and calculations involving oral, intravenous, and intramuscular medication administrations.

Materials Fee: $1.00  
Grading: Letter grade only

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### Elementary Algebra 4.00 UNITS

Prerequisite: Eligibility for MATH-410 as determined by the Chaffey assessment process, or completion of MATH-520.

Topics include algebraic operations of addition, subtraction, multiplication, and division; factoring; rational expressions; and linear and rational equations.

Materials Fee: $1.00  
Grading: Letter grade only

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### Intermediate Algebra 4.00 UNITS

Prerequisite: Eligibility for MATH-425 as determined by the Chaffey assessment process, or completion of MATH-410.

Review and extension of the concepts from Elementary Algebra. Topics include polynomial, radical, absolute value, exponential and logarithmic expressions, equations, and functions; linear and non-linear systems of equations and inequalities; quadratic equations; graphing of nonlinear functions; complex numbers; nonlinear single-variable inequalities; conic sections; sequences; series; and the Binomial Theorem.

Materials Fee: $1.00  
Grading: Letter grade only

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<tbody>
<tr>
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06/08/15-07/28/15 Last day to add: 06/15/15

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<th>INSTRUCTOR</th>
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06/08/15-07/28/15 Last day to add: 06/15/15

### Further Studies in Mathematics

#### Mathematics To Transfer

- MATH 510 Arithmetic
- MATH 520 Pre-Algebra
- MATH 610, 625 Review of Arithmetic and Algebra
- MATH 410 Elementary Algebra
- MATH 401 Math for Health Science
- MATH 425 Intermediate Algebra
- STAT 10 * Elementary Statistics
- MATH 25 College Algebra
- MATH 4 Math Concepts for Teachers

*Some program majors may allow SCSCI-10 to substitute for STAT-10

### Additional sections of some classes may be available; check the Chino and Fontana sections.
### Student Success Centers

Chaffey’s Student Success Centers provide free tutoring, workshops, study groups, library and Internet research opportunities, and focused learning activities to assist students in their academic development and success.

In Summer, the Multi-Disciplinary Success Center is consolidated with the ESL/Language and Reading/Writing Success Centers in BEB-101.

Locations, phone numbers, and hours are:

- **Language Success Center, BEB-101** • 909/652-6907
  - (Greg Creel, Instructional Specialist)
  - Monday-Thursday 9am-7pm • Friday Closed

- **Mathematics Success Center, MATH-121** • 909/652-6452
  - (Garrett Kenehan, Instructional Specialist)
  - Monday-Thursday 9am-7pm • Friday Closed

- **Multidisciplinary Success Center, BEB-101** • 909/652-6932
  - (Rose Ann Osmanian, Instructional Specialist)
  - Monday-Thursday 9am-7pm • Friday Closed

- **Reading/Writing Success Center, BEB-101** • 909/652-6820
  - (Rob Rundquist, Instructional Specialist)
  - Monday-Thursday 9am-7pm • Friday Closed

### MATH-510 Arithmetic 4.00 UNITS

**Prerequisite:** Eligibility for MATH-510 as determined by the Chaffey assessment process.

Complete study of arithmetic, including whole numbers, fractions, decimals, ratios, proportions, measurement, percents, and signed numbers. Four hours of supplemental learning in a Success Center that supports this course is required.

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<th>SECTION #</th>
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<th>ROOM</th>
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<td>T. Jenkins</td>
<td>7:30am-9:30am MTWTH</td>
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<tr>
<td>83854</td>
<td>E. Allado</td>
<td>12:30pm-2:30pm MTWTH</td>
<td>HS-133</td>
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### MATH-520 Pre-Algebra 4.00 UNITS

**Prerequisite:** Eligibility for MATH-520 as determined by the Chaffey assessment process, or completion of MATH-510.

Rational number arithmetic, order of operations, variable expressions, linear equations, polynomial operations, and factoring.

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<th>INSTRUCTOR</th>
<th>HOURS</th>
<th>DAYS</th>
<th>ROOM</th>
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<td>7:00pm-9:00pm MTWTH</td>
<td>VSS-109</td>
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### MATH-610 Preparation for the Study of Algebra 0.00 UNITS

Mathematics review for students whose assessment results indicate placement into Arithmetic or PreAlgebra, and who wish to re-acquire the skills needed to re-assess into a higher level mathematics course. Course focuses on mastery of basic mathematics competencies, including addition/subtraction/multiplication/division, rounding, order of operations, fractions, decimals, ratios, percent, graphing and solving linear equations, exponents and polynomials, roots and radicals.

Materials Fee: $1.00

Grading: Non Credit

### Music (MUSIC)

#### MUSIC-4 Music Appreciation 3.00 UNITS

A survey of art music in western civilization. Topics studied include elements of music, basic musical forms, music periods, styles, and the role of music and musicians in the western world. (C-ID MUS 110)

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<th>SECTION #</th>
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<tr>
<td>83589</td>
<td>P. Aranda</td>
<td>10:00am-11:45am MTWTH</td>
<td>CAE-102</td>
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### Philosophy (PHIL)

#### PHIL-70 Introduction to Philosophy 3.00 UNITS

**Prerequisite:** Eligibility for ENGL-1A as determined by the Chaffey assessment process, or satisfactory completion of ENGL-475 or ESL-475.

Introduction to the questions and ideas of major philosophers. Topics include knowledge (epistemology); reality (metaphysics); values, aesthetics, and religion (axiology); and social/political influences. (C-ID PHIL 100)

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<th>DAYS</th>
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<tr>
<td>83678</td>
<td>B. King</td>
<td>10:00am-11:45am MTWTH</td>
<td>WH-102</td>
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#### PHIL-76 Critical Thinking 3.00 UNITS

**Prerequisite:** ENGL-1A.

Argument and reasoning in the investigation of claims, including inductive and deductive reasoning, distinguishing fact from opinion and belief from knowledge, and identifying formal and informal fallacies.

Materials Fee: $0.00

Grading: Letter grade only

### Additional sections of some classes may be available; check the Chino and Fontana sections.
Photography (PHOTO)  

**PHOTO-1 History of Photography 3.00 UNITS**  
History and appreciation of photography as a medium of artistic and social communication. No lab access with this course.  
Materials Fee: $0.00  
Grading: Letter grade only  
83594 S.Williams 11:00am-2:30pm TTH PS-120  
06/09/15-07/28/15 Last day to add: 06/15/15  

**PHOTO-7 Introduction to Digital Photography 4.00 UNITS**  
Instruction in the basic principles of digital photography, including digital printing. Student must furnish an adjustable DSLR (i.e. not a point-and-shoot model) digital camera. Materials Fee: $8.00  
Grading: Letter grade only  
83597 K.Haddad 11:30am-2:30pm TTH CAA-123  
06/09/15-07/28/15 Last day to add: 06/15/15  
SECT 83597: Hybrid class; see page 81 for more info  
83596 J.Shafer 7:00pm-10:30pm MTWTH CAA-123  
06/08/15-07/28/15 Last day to add: 06/15/15  

**PHOTO-10 Beginning Photography 4.00 UNITS**  
Introduction to film based photography and the principles of black-and-white photography, including cameras and the darkroom. Students must furnish an adjustable non-digital camera.  
Materials Fee: $4.00  
Grading: Letter grade only  
83595 A.Sanchez 11:00am-2:30pm MTWTH CAA-123  
06/08/15-07/28/15 Last day to add: 06/15/15  

Physics (PHYS)  

**PHYS-5 The Ideas of Physics 3.00 UNITS**  
Prerequisite: Eligibility for MATH-425 as determined by the Chaffey assessment process, or completion of MATH-410.  
Basic concepts of mass, force, Newton’s Laws of Motion, conservation laws, momentum and energy. Course is designed for students needing a general education science lecture course and for students majoring in engineering technology or the life sciences.  
Materials Fee: $1.00  
Grading: Letter grade only  
83434 M.Padilla 5:00pm-6:45pm MTWTH HS-127  
06/08/15-07/28/15 Last day to add: 06/15/15  

**PHYS-6 Ideas of Physics Lab 1.00 UNITS**  
Corequisite: PHYS-5 (may be taken previously).  
Experiments with lecture concepts, including measurement, free fall, springs, centripetal force, kinetic energy, gravitational potential energy, conservation of momentum, and Archimedes’ principle.  
Materials Fee: $0.00  
Grading: Letter grade only  
83435 R.Ruiz 7:00pm-10:30pm TTH PS-120  
06/09/15-07/28/15 Last day to add: 06/15/15  

Political Science (PS)  

**PS-1 American Politics 3.00 UNITS**  
Advisory: Completion of ENGL-1A.  
Study of the American political process and institutions. Analysis of the organization and function of California’s state and local governments. (C-ID POLS 110)  
Materials Fee: $0.00  
Grading: Letter grade only  
83687 L.Bohon 10:00am-11:45am MTWTH SS-100  
06/08/15-07/28/15 Last day to add: 06/15/15  
83689 G.White 7:00pm-8:45pm MTWTH SS-100  
06/08/15-07/28/15 Last day to add: 06/15/15  

Psychology (PSYCH)  

**PSYCH-1 Introduction to Psychology 3.00 UNITS**  
Advisory: Completion of GUID-2, and eligibility for ENGL-1A as determined by the Chaffey assessment process or completion of ENGL-475 or ESL-475.  
Survey of psychology, including research methods, history and systems, lifespan, perception, learning and memory, cognition, psychological disorders and treatment, social behavior, and brain mechanisms. (C-ID PSY 110)  
Materials Fee: $0.00  
Grading: Letter grade only  
83620 N.Barbari 8:00am-9:45am MTWTH WH-112  
06/08/15-07/28/15 Last day to add: 06/15/15  
83621 V.Dunwoody 7:00pm-10:30pm MW WH-112  
06/08/15-07/27/15 Last day to add: 06/14/15  
83575 V.Dunwoody 7:00pm-10:30pm TTH WH-112  
06/09/15-07/28/15 Last day to add: 06/15/15  

**PSYCH-25 Developmental Psychology: Lifespan 3.00 UNITS**  
Development  
Study of human development from conception through old age with particular emphasis on biological and environmental influences. (C-ID PSY 180)  
Materials Fee: $0.00  
Grading: Letter grade only  
83628 N.Barbari 10:00am-11:45am MTWTH SS-100  
06/08/15-07/28/15 Last day to add: 06/15/15  
83629 N.Milani 11:00am-2:30pm TTH SS-100  
06/08/15-07/28/15 Last day to add: 06/15/15  
83630 STAFF 7:00pm-10:30pm MW SS-100  
06/08/15-07/28/15 Last day to add: 06/15/15  

Waiting Listed for a Class? You will now be notified via email if you are able to add, so be sure to review and update your email information on MYCHAFFEYVIEW. See the waitlist policy on pages 9 for more information.

Additional sections of some classes may be available; check the Chino and Fontana sections.
Radiologic Technology (RADTEC) 909/652-7606

RADTEC-50 Radiographic Clinical Education III 6.00 UNITS
Limitation on Enrollment: Acceptance into the Chaffey College Radiologic Technology program and successful completion of the first two semesters is required.
Continued clinical practice experiences designed for sequential development, application, critical analysis, integration, synthesis and evaluation of concepts and theories in the performance of radiologic procedures. Emphasis on patient care and assessment, competent performance of radiologic imaging procedures, appropriate sequencing, and total quality management.
Materials Fee: $25.00  Transfer: CSU
Grading: Letter grade only

83333 M.Soto  8:00am-4:30pm  MTWF  CLIN
05/22/15-07/27/15  Last day to add: 06/02/15

RADTEC-55 Radiographic Equipment and Clinical 2.00 UNITS Application
Limitation on Enrollment: Acceptance into the Radiologic Technology program with successful completion of the first two semesters.
Course establishes a knowledge base in conventional and digital fluoroscopic equipment requirements, design, and operation. Radiation health and safety requirements of federal and state regulatory agencies, accreditation agencies, and health care organizations. Radiation protection practices specific to fluoroscopy studies consistent with ALARA principles. Class demonstrations/labs provide opportunity for application and reinforcement of theory.
Materials Fee: $25.00  Transfer: CSU
Grading: Letter grade only

83331 T.Ortiz  8:00am-12:00pm  TH  RSAM-01
05/28/15-07/23/15  Last day to add: 06/03/15

RADTEC-81 Radiographic Clinical Education VI 5.00 UNITS
Limitation on Enrollment: Acceptance into the Chaffey College Radiologic Technology program and successful completion of the first five semesters.
Prerequisite: RADTEC-70.
Final course in the series of guided practicums applying radiologic technology to patients in a hospital environment. Advanced clinical practice experiences designed to provide patient assessment and care, competent performance of radiologic imaging, and assure total quality management. Students perform independently with appropriate supervision to assess their skills for employability.
Materials Fee: $25.00  Transfer: CSU
Grading: Letter grade only

83335 M.Soto  8:00am-4:30pm  MTTHF  CLIN
A.Dutton, K.Beinschroth, R.Castillo and L.Garcia 05/22/15-07/17/15  Last day to add: 06/01/15

RADTEC-85 Radiographic Review and Exam Preparation 2.00 UNITS
Limitation on Enrollment: Successful completion of the fifth semester of the Radiologic Technology program.
Review of the entire radiologic technology curriculum, following the ARRT examination outline, to prepare the student for the written certifying examinations at the state and national levels.
Materials Fee: $3.00  Transfer: CSU
Grading: Letter grade only

83332 M.Soto  8:00am-12:30pm  W  RSAM-01
05/27/15-07/15/15  Last day to add: 06/02/15

Sociology (SOC) 909/652-6253

SOC-10 Introduction to Sociology 3.00 UNITS
Prerequisite: Eligibility for ENGL-1A as determined by the Chaffey assessment process, or completion of ENGL-475 or ESL-475.
Characteristics of social life. Processes of interaction, consequences of group membership, institutions of modern society, factors that perpetuate social inequality, and social change and globalization. (C-ID SOCI 110)
Materials Fee: $0.00  Transfer: CSU; UC
Grading: Letter grade only

83641 R.Halili  8:00am-9:45am  MTWTH  SS-110
06/08/15-07/28/15  Last day to add: 06/15/15
83644 R.Halili  10:00am-11:45am  MTWTH  SS-110
06/08/15-07/28/15  Last day to add: 06/15/15
83644 H.Inoue  12:00pm-1:45pm  MW  SS-110
06/08/15-07/27/15  Last day to add: 06/14/15
(more sections at Chino and Fontana)

SOC-16 Marriage, Family, and Relationships 3.00 UNITS
Advisory: Eligibility for ENGL-1A as determined by the Chaffey assessment process, or completion of ENGL-475 or ESL-475.
Cross-cultural, social class, gender, and ethnic variation in marriages, families, and relationships. Emphasis on the application of theories, research, and social factors. (C-ID SOCI 130)
Materials Fee: $0.00  Transfer: CSU; UC
Grading: Letter grade only

83647 STAFF  8:00am-9:45am  MTWTH  SS-101
06/08/15-07/28/15  Last day to add: 06/15/15
83647 R.Pratt  12:00pm-1:45pm  MTWTH  SS-101
06/08/15-07/28/15  Last day to add: 06/15/15
(more sections at Chino and Fontana and on-line)

PRIORITY REGISTRATION
Priority registration has been legally mandated for the following student groups: eligible veterans, foster youth, active EOPS, DPS, and CalWorks students.
Per the Student Success Act of 2012, Senate Bill 1456, signed into law in September 2012. See www.chaffey.edu/student-success for more information.

Visit our website at www.chaffey.edu for application and registration information.

Additional sections of some classes may be available; check the Chino and Fontana sections.
### Spanish (SPAN)

(Also see American Sign Language) 909/652-6903

For help choosing the Spanish course that best meets your needs and current skill level, go to http://www.chaffey.edu/spanish_placement

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<th>INSTRUCTOR</th>
<th>HOURS</th>
<th>DAYS</th>
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<tr>
<td>SPAN-1 Elementary Spanish I</td>
<td>4.00 UNITS</td>
<td>Beginning language acquisition in a cultural context through listening, speaking, reading, and writing. Course corresponds to the first year of high school Spanish, and is not recommended for heritage (native) speakers of Spanish. Ten hours of supplemental learning in a Success Center that supports this course is required. (C-ID SPAN 100)</td>
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<tr>
<td>Materials Fee: $4.00</td>
<td>Transfer: CSU; UC</td>
<td>Grading: Letter grade only</td>
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<tr>
<td>83465 V. Tirado</td>
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<td>LA-103</td>
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(Another section at Fontana)

| SPAN-2 Elementary Spanish II | 4.00 UNITS | Continuing language acquisition in a cultural context through listening, speaking, reading, and writing at the second semester level. Students continue to interact with authentic language in cultural context. Course corresponds to the second year of high school Spanish, and is not recommended for heritage (native) speakers of Spanish. Ten hours of supplemental learning in a Success Center that supports this course is required. |
| Materials Fee: $4.00 | Transfer: CSU; UC | Grading: Letter grade only |
| 83472 T. Jenkins | 12:30pm-2:45pm | MTWTH | LA-104 |
| 06/08/15-07/28/15 | Last day to add: 06/15/15 |

### Statistics (STAT)

(Also see Mathematics) 909/652-6403

**STAT-10 Elementary Statistics** 4.00 UNITS

Prerequisite: Eligibility for MATH-25 or higher as determined by the Chaffey assessment process, or completion of MATH-425. Topics include frequency distribution, measures of variation and central tendency, elementary probability theory, etc. NOTE: A specific graphing utility is required; see instructor before acquiring. (C-ID MATH 110) Materials Fee: $1.00 Transfer: CSU; UC credit limitations Grading: Letter grade only

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<th>INSTRUCTOR</th>
<th>HOURS</th>
<th>DAYS</th>
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<td>83388 J. Roche</td>
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### Theatre Arts (THEATRE)

909/652-6066

**THEATRE-10 Beginning Acting** 3.00 UNITS

Theory of acting and acting techniques with an introduction to Stanislavski’s method of acting. Provides a foundation in acting through a study of improvisation, vocal techniques, historical concepts, and theory through scene and monologue work. Emphasis on character development through the use of voice, movement and script analysis. (C-ID THTR 151) Materials Fee: $1.00 Transfer: CSU; UC Grading: Letter grade only

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<th>SECTION #</th>
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<th>HOURS</th>
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<tr>
<td>83593 K. Ford</td>
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<td>TA-10</td>
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<td>06/08/15-07/27/15</td>
<td>Last day to add: 06/14/15</td>
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### The Guiding Panthers to Success (GPS) Centers

The GPS Centers provide Chaffey College students with assistance in registration, unit load planning, the My Chaffey Portal, New Student Planning Tool, and Abbreviated Educational Plans (first term course recommendations for new students). For this and other information on scholarships, transfer, and campus resources please walk in or call a GPS Center for more information.

**LOCATIONS:**

- Chino GPS Center 909-652-8120 CHMB #240
- Fontana GPS Center 909-652-7466 FNFC #121
- Rancho GPS Center 909-652-6466 VSS #111

Additional sections of some classes may be available; check the Chino and Fontana sections.