CUYAMACA COLLEGE
Spring 2019 Course Offerings
As of January 31, 2019

ANTHROPOLOGY

+ ANTH-120 Cultural Anthropology 3.0
Methods and theories of anthropology; cultural variations and similarities.
4348 11:00AM-12:15PM TTH F-512 B.Nugent

+ ANTH-130 Intro to Physical Anthropology 3.0
4349 11:00AM-12:15PM MW F-514 B.Nugent

ARAMAIC

+ ARAM-120 Aramaic I 5.0
4255 09:30AM-11:45AM TTH F-607 M.Bazzi

ARABIC

+ ARBC-120 Arabic I 5.0
4256 09:30AM-11:45AM MW F-508 A.Sheai
4260 09:30AM-11:45AM TTH F-405 G.Sako
4266 09:30AM-11:45AM TTH F-508 H.Boles
4265 12:30PM-02:45PM MW F-512 A.Sheai
4257 12:30PM-02:45PM TTH F-405 G.Sako
4258 03:30PM-05:45PM TTH F-506 N.Alkassas
4259 06:00PM-08:15PM MW F-518 G.Al Saadi
4918 06:00PM-08:15PM TTH F-518 J.Gazale

+ ARBC-121 Arabic II 5.0
Prerequisite: "C" grade or higher or "Pass" in ARBC 120 or two years of high school Arabic or equivalent.
4263 09:30AM-11:45AM MW F-518 J.Gazale
4264 09:30AM-11:45AM TTH F-411 G.Zakaria
4262 06:00PM-08:15PM MW F-506 N.Aldulaimi

+ ARBC-122 Arabic for Native Speakers I 5.0
1550 12:30PM-02:45PM TTH F-411 G.Zakaria
1551 06:00PM-08:15PM TTH F-401 N.Ireigat

+ ARBC-123 Arabic for Native Speakers ll 5.0
Prerequisite: "C" grade or higher or Pass in Arabic 122 or equivalent.
1939 06:00PM-08:15PM TTH F-411 N.Alkassas

+ ARBC-145 Arabic Civilizations 3.0
1171 09:00AM-12:05PM F F-513 R.Aoneh
1553 09:00AM-12:05PM F F-508 A.Ah Shawi
5127 09:00AM-12:05PM F F-507 H.Masri
1704 03:00PM-05:50PM T F-407 A.Kana
1554 06:00PM-08:50PM W F-513 S.Ibrahim

+ ARBC-220 Arabic III 5.0
Prerequisite: "C" grade or higher or "Pass" in ARBC 121 or three years of high school Arabic or equivalent.
4595 09:30AM-11:45AM TTH F-518 J.Gazale
4596 12:30PM-02:45PM MW F-518 J.Gazale

+ ARBC-221 Arabic IV 5.0
Prerequisite: "C" grade or higher or "Pass" in ARBC 220 or four years of high school Arabic or equivalent.
4597 03:30PM-05:45PM MW F-506 N.Aldulaimi

+ Satisfies Cal. State University General Education
# Satisfies Cuyamaca College General Education (includes Graduation Requirement)
S Denotes short-term class
* "ZTC" Section uses free materials.
Please check WebAdvisor at https://wa.gcccd.edu for course changes (added/cancelled sections, room changes, instructor changes, etc.)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
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<tbody>
<tr>
<td>ARBC-250</td>
<td>Conversational Arabic I</td>
<td>3.0</td>
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<tr>
<td>ARBC-251</td>
<td>Conversational Arabic II</td>
<td>3.0</td>
</tr>
<tr>
<td>ARBC-254</td>
<td>Conversational Iraqi Dialect</td>
<td>3.0</td>
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**ARBC-250 Conversational Arabic I  3.0**
Prerequisite: "C" grade or higher or "Pass" in ARBC 121 or 122 or 123 or 220 or 221 or three years of high school Arabic or equivalent.

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<th>Section</th>
<th>Days</th>
<th>Time</th>
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<tr>
<td>9850</td>
<td>F-518</td>
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<td>09:00AM-12:05PM</td>
<td>R.Al-Azeh</td>
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**ARBC-251 Conversational Arabic II  3.0**
Prerequisite: "C" grade or higher or "Pass" in ARBC 250 or four years of high school Arabic or equivalent.

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<tr>
<td>4269</td>
<td>F-502</td>
<td>F</td>
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<td>N.Ireigat</td>
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**ARBC-254 Conversational Iraqi Dialect  3.0**
Prerequisite: "C" grade or higher or "Pass" in ARBC 121 or 122 or 123 or 220 or 221 or three years of high school Arabic or equivalent.

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<td>4267</td>
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<tr>
<td>4268</td>
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<td>W</td>
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<td>A.Kana</td>
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**ART-100 Art Appreciation  3.0**
Learn how art influences your life.

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<td>TBA</td>
<td>L.Karmel</td>
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<td>4927</td>
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<td>TBA</td>
<td>O.Montano</td>
<td>Jan 02-Jan 26</td>
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<td>F-502</td>
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**ART-120 Two-Dimensional Design  3.0**
Learn how to make aesthetic decisions and choose colors. Art supplies must be supplied by student.

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<th>Section</th>
<th>Days</th>
<th>Time</th>
<th>Instructor</th>
<th>Location</th>
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<tbody>
<tr>
<td>4270</td>
<td>M-507</td>
<td>MW</td>
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<tr>
<td>4750</td>
<td>M-365</td>
<td>MW</td>
<td>02:00PM-03:15PM</td>
<td>M.Morris</td>
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`+` Satisfies Cal. State University General Education
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S Denotes short-term class

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ART-121 Painting I 3.0
Learn painting techniques in oils or acrylics. Art supplies must be provided by student.
Prerequisite: "C" grade or higher or "Pass" in ART 120 or ART 124 or equivalent.
4272 01:00PM-01:50PM TTH B-371 E.Whitman
02:00PM-03:50PM TTH B-371

ART-124 Drawing I 3.0
Develop your right and left brain using drawing skills. Art supplies must be provided by student.
4274 09:00AM-11:05AM F B-373 M.Ford
11:35AM-03:25PM F B-376
4277 09:30AM-10:20AM MW B-376 M.Ramos
10:30AM-12:20PM MW B-373
4275 09:30AM-10:20AM TTH B-376 M.Ramos
10:30AM-12:20PM TTH B-373

ART-125 Drawing II 3.0
Art supplies must be provided by student.
Prerequisite: "C" grade or higher or "Pass" in ART 124 or equivalent.
4276 09:30AM-10:20AM TTH B-376 M.Ramos
10:30AM-12:20PM TTH B-373

ART-140 Hist West Art I: Pre-1250 Ad 3.0
Study of art forms from cave paintings to the early Renaissance.
4287 TBA WEB-WEB J.Abel
Online course; 52.5 total instructional hours. Contact john.abel@gcccd.edu for course information.

ART-141 Hist West Art II 1250 Ad-Pres 3.0
4278 05:30PM-08:20PM T B-365 M.Morris

ART-143 Modern Art 3.0
Historical survey of late 19th and 20th century art of Europe and America.
8271 TBA WEB-WEB E.Whitman
Online course; 52.5 total instructional hours. Contact erin.whitman@gcccd.edu for course information.

ART-148 Applied Design And Crafts 3.0
$20 Supplies and materials fee for art projects due at registration.
4665 09:00AM-11:05AM F B-363 X.Eggleton
11:35AM-03:25PM F B-363

ART-177 Digital Drawing and Painting 3.0
$15 Supplies and materials fee for art projects due at registration.
4288 05:30PM-08:35PM W E-224 T.Enochs
Additional 2 hour and 45 minutes instructional time/week via Internet.

ART-220 Painting II 3.0
Learn painting techniques in oils or acrylics. Art supplies must be provided by student.
Prerequisite: "C" grade or higher or "Pass" in ART 121 or equivalent.
4273 01:00PM-01:50PM TTH B-371 E.Whitman
02:00PM-03:50PM TTH B-371

ART-221 Painting III 3.0
Developing a "personal statement." Art supplies must be provided by student.
Prerequisite: "C" grade or higher or "Pass" in ART 220 or equivalent.
4970 01:00PM-01:50PM TTH B-371 E.Whitman
02:00PM-03:50PM TTH B-371
**ART-222 Painting IV** 3.0
Art supplies must be provided by student.
Prerequisite: "C" grade or higher or "Pass" in ART 221 or equivalent.
4971 01:00PM-01:50PM TTH B-371 E.Whitman
02:00PM-03:50PM TTH B-371

**ART-230 Figure Drawing I** 3.0
Develop expressive drawing techniques with regard to the human form. Art supplies must be provided by student.
Prerequisite: "C" grade or higher or "Pass" in ART 124 or equivalent.
4279 09:30AM-10:20AM TTH B-368 J.Eggleton
10:30AM-12:20PM TTH B-368

**ART-231 Figure Drawing II** 3.0
Develop expressive drawing techniques with regard to the human form. Art supplies must be provided by student.
Prerequisite: "C" grade or higher or "Pass" in ART 230 or equivalent.
4280 09:30AM-10:20AM TTH B-368 J.Eggleton
10:30AM-12:20PM TTH B-368

**ART-232 Figure Drawing III** 3.0
Incorporate advanced compositional devices and start developing a "theme." Art supplies must be provided by student.
Prerequisite: "C" grade or higher or "Pass" in ART 231 or equivalent.
4968 09:30AM-10:20AM TTH B-368 J.Eggleton
10:30AM-12:20PM TTH B-368

**ART-233 Figure Drawing IV** 3.0
Art supplies must be provided by student.
Prerequisite: "C" grade or higher or "Pass" in ART 232 or equivalent.
4972 09:30AM-10:20AM TTH B-368 J.Eggleton
10:30AM-12:20PM TTH B-368

**ART-241 Illustration I** 3.0
Prerequisite: "C" grade or higher or "Pass" in ART 124 or equivalent
0010 01:00PM-01:50PM MW B-363 J.Eggleton
02:00PM-03:50PM MW B-363

**ART-242 Illustration II** 3.0
Prerequisite: "C" grade or higher or "Pass" in ART 241 or equivalent
0011 01:00PM-01:50PM MW B-363 J.Eggleton
02:00PM-03:50PM MW B-363

**AMERICAN SIGN LANGUAGE**

**+ ASL-120 American Sign Language I** 4.0
4304 TBA WEB WEB B.Cohen
Online course, 70 total instructional hours.
5 5150 01:00PM-02:50PM TTH SCHS-SCHS J.Smith Jan 28-Jun 01
Meets at Steele Canyon High School, 12440 Campo Road, Spring Valley, CA, room TBA. No meetings 4/15 to 4/26 (Spring Break). Contact instructor for enrollment information.
4302 01:30PM-03:20PM TTH B-164 B.Cohen
4301 06:00PM-07:50PM MW B-164 M.Marks

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<th>Units</th>
<th>Prerequisite</th>
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<tbody>
<tr>
<td>ASL-121</td>
<td>American Sign Language II</td>
<td>4.0</td>
<td>&quot;C&quot; grade or higher or &quot;Pass&quot; in ASL 120 or equivalent.</td>
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<tr>
<td>S 5151</td>
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<td>Meets at Steele Canyon High School, 12440 Campo Road, Spring Valley, CA, room TBA. No meetings 4/15 to 4/26 (Spring Break). Contact instructor for enrollment information.</td>
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<tr>
<td>ASL-125</td>
<td>ASL with Infants and Toddlers</td>
<td>1.0</td>
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<td>S 5151</td>
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<tr>
<td>ASL-126</td>
<td>ASL with School Age Children</td>
<td>1.0</td>
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<td>S 5151</td>
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<tr>
<td>ASL-130</td>
<td>ASL: Fingerspelling</td>
<td>3.0</td>
<td>&quot;C&quot; grade or higher or &quot;Pass&quot; in ASL 120 or equivalent ability to sign.</td>
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<td>ASL-221</td>
<td>American Sign Language IV</td>
<td>4.0</td>
<td>&quot;C&quot; grade or higher or &quot;Pass&quot; in ASL 220 or equivalent.</td>
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**Astronomy**

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<th>Course Title</th>
<th>Units</th>
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<tr>
<td>ASTR-110</td>
<td>Descriptive Astronomy</td>
<td>3.0</td>
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<td>ASTR-112</td>
<td>General Astronomy Laboratory</td>
<td>1.0</td>
<td>&quot;C&quot; grade or higher or &quot;Pass&quot; in ASTR 110 or equivalent or concurrent enrollment.</td>
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<td>9605</td>
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**Automotive Technology**

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<tr>
<td>AUTO-099</td>
<td>Intro to Automotive Technology</td>
<td>3.0</td>
<td>Go to <a href="https://wa.gcccd.edu">https://wa.gcccd.edu</a> for course changes (added/cancelled sections, room changes, instructor changes, etc.)</td>
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<td>AUTO-100</td>
<td>Intro to Auto Technology Lab</td>
<td>1.0</td>
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<td>AUTO-122</td>
<td>Automotive Electrical Systems</td>
<td>5.0</td>
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<td>AUTO-127</td>
<td>Adv Auto Electrical Systems</td>
<td>5.0</td>
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<tr>
<td>AUTO-130</td>
<td>Auto Brakes and Brake License</td>
<td>5.0</td>
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AUTO-135 Advanced Brakes 5.0
Prerequisite: "C" grade or higher or "Pass" in AUTO 130 or equivalent.
0556 06:00PM-07:15PM MW K-104 J.Dandash
07:25PM-10:15PM MW K-104

AUTO-141 Smog License Level I Class 3.0
Recommended Preparation: AUTO 120, AUTO 122, AUTO 123, AUTO 124
S 0055 06:00PM-07:35PM TTH K-121 J.Crocker Jan 28-Apr 06
06:40PM-10:05PM TTH K-121

AUTO-142 Smog License Level II Class 2.0
Recommended Preparation: AUTO 120, 122, 123, 124, 127, 141.
Completion of all California Bureau of Automotive Repair web based training modules.
S 0056 05:30PM-06:35PM TTH K-121 J.Crocker Apr 08-May 25

AUTO-152 Drive Train Systems 4.0
4797 09:00AM-11:25AM S K-114 J.Pinnell
11:55AM-04:25PM S K-114

AUTO-170 Engine Overhaul 5.0
Learn how to disassemble, clean, measure and correctly reassemble a modern automotive engine.
1577 08:30AM-09:45AM MW K-121 W.Ottinger
09:55AM-12:45PM MW K-121

AUTO-175 Advanced Engine Overhaul 5.0
Prerequisite: "C" grade or higher or "Pass" in AUTO 170 or equivalent.
1578 08:30AM-09:45AM MW K-121 W.Ottinger
09:55AM-12:45PM MW K-121

AUTO-182 Automotive Work Experience
4997 TBA R.Gingery
Mandatory orientation; 1 unit=75 hours paid/60 hours unpaid work experience.
4998 TBA R.Gingery
Mandatory orientation; 2 units=150 hours paid/120 hours unpaid work experience.
4999 TBA R.Gingery
Mandatory orientation; 3 units=225 hours paid/180 hours unpaid work experience.
S 4795 TBA R.Gingery Apr 01-May 25
Mandatory orientation; 1 unit=75 hours paid/60 hours unpaid work experience.
S 4796 TBA R.Gingery Apr 01-May 25
Mandatory orientation; 2 units=150 hours paid/120 hours unpaid work experience.

AUTO-195 ASSET-Electronic Engine Cntrl 7.0
S 4399 12:00PM-02:05PM MTWTHF K-114 B.McCombs Jan 28-Mar 23
02:15PM-04:45PM MTWTHF K-114

AUTO-195A ASSET Engine and Perf Theory 1.5
Recommended Preparation: "C" grade or higher or "Pass" in AUTO 122 Electrical or AUTO 196A Ford ASSET Electrical, or AUTO 196B Ford ASSET "TEST OUT" or equivalent
S 4400 TBA WEB WEB B.McCombs Jan 28-Mar 23
Online course; 26.5 total instructional hours. Lecture portion of the course is synchronous with AUTO 195 #4399. Student must attend section online during the lecture part of the class as indicated in the course syllabus. The remainder of the online class times is Internet 100% Days To Be Announced.
Please check WebAdvisor at https://wa.gcccd.edu for course changes (added/cancelled sections, room changes, instructor changes, etc.)

**AUTO-195B ASSET Eng Perf Diag & Repair 0.5**
Recommended Preparation: "C" grade or higher or "Pass" in AUTO 122 Electrical or AUTO 196A Ford ASSET Electrical, or AUTO 196B Ford ASSET "TEST OUT" or equivalent.

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<td>Online course; 26.5 total instructional hours. Lecture portion of the course is synchronous with AUTO 195 #4399. Student must attend section online during the lecture part of the class as indicated in the course syllabus. The remainder of the online class times is Internet 100% Days To Be Announced.</td>
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**AUTO-195C ASSET Eng Perf Diag and Test 1.5**
Recommended Preparation: "C" grade or higher or "Pass" in AUTO 122 Electrical or AUTO 196A Ford ASSET Electrical, or AUTO 196B Ford ASSET "TEST OUT" or equivalent.

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**AUTO-195D Gas Turbo Direct Injection 1.5**
Recommended Preparation: "C" grade or higher or "Pass" in AUTO 122 Electrical or AUTO 196A Ford ASSET Electrical, or AUTO 196B Ford ASSET "TEST OUT" or equivalent.

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<td>Online course; 26.5 total instructional hours. Lecture portion of the course is synchronous with AUTO 195 #4399. Student must attend section online during the lecture part of the class as indicated in the course syllabus. The remainder of the online class times is Internet 100% Days To Be Announced.</td>
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**AUTO-197 ASSET-Work Experience 3.0**
75 hours paid work experience per unit.
Prerequisite: Admission to the ASSET program.

<table>
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<tr>
<th>S</th>
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<td>3 units=225 hours paid work experience.</td>
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**AUTO-205 ASEP-Engine Performance & A/C 7.0**

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<th>S</th>
<th>1576</th>
<th>01:00PM-03:05PM</th>
<th>MTWTHF</th>
<th>K-104</th>
<th>W.Ottinger</th>
<th>Jan 28-Mar 23</th>
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<td>K-104</td>
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**AUTO-206 ASEP-Work Experience 3.0**
Prerequisite: "C" grade or higher or "Pass" in AUTO 200 or equivalent

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<th>S</th>
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<th>TBA</th>
<th>W.Ottinger</th>
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<td>ASEP-Work Experience 3 units=225 hours paid work experience.</td>
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**BIOLOGICAL SCIENCES**

**+ Bio-122 The Secret Life of Plants 4.0**
1520 08:30AM-11:20AM T H-221 M.Garcia
08:30AM-11:20AM TH H-221

**+ Bio-130 General Biology I 3.0**
The characteristics shared by all life forms.
5014 08:00AM-09:15AM TTH F-505 J.Redfern

*ZTC* Zero Textbook Cost section: This course does not require purchase of a textbook and may use free Open Educational Resources (OER) or free textbook alternatives.

S 1978 08:00AM-11:05AM  F HSHM-HSHM A.Hackman Jan 28-Jun 05
Meets at Health Sciences High & Middle College, 3910 University Ave, San Diego, CA 92105 room 200A. Contact instructor for enrollment information.

S 1521 09:00AM-12:05PM S F-606 J.Holden

*ZTC* Zero Textbook Cost section: This course does not require purchase of a textbook and may use free Open Educational Resources (OER) or free textbook alternatives.
Please check WebAdvisor at https://wa.gcccd.edu for course changes (added/ cancelled sections, room changes, instructor changes, etc.)

(BIO-130 Continued)
5009 09:30AM-10:45AM MW F-606 H.Valtierra
        "ZTC"  Zero Textbook Cost section: This course does not require purchase of a textbook and may use free Open Educational Resources (OER) or free textbook alternatives.

5012 09:30AM-10:45AM TTH F-505 J.Redfern
        "ZTC"  Zero Textbook Cost section: This course does not require purchase of a textbook and may use free Open Educational Resources (OER) or free textbook alternatives.

5010 11:00AM-12:15PM TTH F-606 C.Schalmo
        "ZTC"  Zero Textbook Cost section: This course does not require purchase of a textbook and may use free Open Educational Resources (OER) or free textbook alternatives.

5011 12:30PM-01:45PM MW F-606 C.Schalmo
        "ZTC"  Zero Textbook Cost section: This course does not require purchase of a textbook and may use free Open Educational Resources (OER) or free textbook alternatives.

5019 02:00PM-03:15PM TTH F-606 C.Burnett
        "ZTC"  Zero Textbook Cost section: This course does not require purchase of a textbook and may use free Open Educational Resources (OER) or free textbook alternatives.

4764 05:30PM-06:45PM MW F-606 C.Schalmo
        "ZTC"  Zero Textbook Cost section: This course does not require purchase of a textbook and may use free Open Educational Resources (OER) or free textbook alternatives.

6615 05:30PM-06:45PM TTH F-606 S.Attle
        "ZTC"  Zero Textbook Cost section: This course does not require purchase of a textbook and may use free Open Educational Resources (OER) or free textbook alternatives.

5.0

(BIO-131 General Biology I Laboratory 1.0
Experiments on the characteristics shared by all life forms.
Prerequisite: "C" grade or higher or "Pass" in BIO 130 or equivalent or concurrent enrollment.

5028 09:00AM-12:05PM F H-221 R.Jimenez
9085 11:00AM-01:50PM W H-221 A.Zuniga
4770 11:00AM-02:05PM M H-221 H.Valtierra
8874 12:30PM-01:45PM TTH F-505 A.Zuniga
4764 05:30PM-06:45PM MW H-221 H.Valtierra

Designed for Health Sciences High & Middle College Students.
Contact instructor for enrollment information.

5028 09:00AM-12:05PM F H-221 R.Jimenez
9085 11:00AM-01:50PM W H-221 A.Zuniga
4770 11:00AM-02:05PM M H-221 H.Valtierra
8874 12:30PM-01:45PM TTH F-505 A.Zuniga
4764 05:30PM-06:45PM MW H-221 H.Valtierra

(BIO-134 Ethnobotany 3.0

1522 12:30PM-01:45PM TTH H-222 A.Zuniga

(BIO-135 Ethnobotany/Ethnoecology Lab 1.0
Prerequisite: "C" grade or higher or "Pass" in either BIO 133 or 134 or concurrent enrollment

1523 02:00PM-04:50PM TH H-222 A.Zuniga

(BIO-140 Human Anatomy 5.0
Prerequisite: "C" grade or higher or "Pass" in BIO 130, 131 or equivalent.

8590 06:10AM-07:20AM MW H-222 F.Bouton
8590 06:30AM-07:20AM MW H-222 F.Bouton
8590 07:00AM-08:15AM MW H-222 F.Bouton
8590 07:30AM-08:45AM MW H-222 F.Bouton
8590 08:15AM-09:30AM MW H-222 F.Bouton
8590 08:45AM-10:00AM MW H-222 F.Bouton
8590 09:15AM-10:30AM MW H-222 F.Bouton
8590 09:45AM-11:00AM MW H-222 F.Bouton
8590 10:30AM-11:45AM MW H-222 F.Bouton
8590 11:15AM-12:30AM MW H-222 F.Bouton
8590 12:00PM-01:15PM MW H-222 F.Bouton
8590 01:15PM-02:30PM MW H-222 F.Bouton

F.Bouton
M.Garcia
F.Bouton
M.Garcia
S.Attle
F.Bouton
M.Garcia
S.Attle
F.Bouton
M.Garcia
S.Attle
F.Bouton
M.Garcia
S.Attle
F.Bouton
M.Garcia
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M.Garcia
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M.Garcia
S.Attle
F.Bouton
Please check WebAdvisor at https://wa.gccd.edu for course changes (added/cancelled sections, room changes, instructor changes, etc.)

(BIO-140 continued)

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BUSINESS OFFICE TECHNOLOGY

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* Satisfies Cal. State University General Education
* # Satisfies Cuyamaca College General Education (includes Graduation Requirement)
* S Denotes short-term class
* "ZTC" Section uses free materials.
<table>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
<th>Prerequisites</th>
<th>Instructor(s)</th>
<th>Dates</th>
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<td>BOT-100</td>
<td>Basic Keyboarding</td>
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<td>&quot;C&quot; grade or higher or &quot;Pass&quot; in ENGL 098R or ESL 103R or equivalent reading level.</td>
<td>E-120 H.Ikzir</td>
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<td>Additional 1 hours and 15 minutes instructional time/week via Internet.</td>
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<td>Inter Keyboard/Doc Process I</td>
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<td>&quot;C&quot; grade or higher or &quot;Pass&quot; in BOT 101B or equivalent.</td>
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<td>TBA WEB-WEB Jan 28-Mar 23</td>
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<td>Online course; 26.25 total instructional hours.</td>
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<td>BOT-102B</td>
<td>Inter Keyboard/Doc Process II</td>
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<td>&quot;C&quot; grade or higher or &quot;Pass&quot; in BOT 102A or equivalent.</td>
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<td>TBA WEB-WEB Apr 01-May 25</td>
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<td><em>ZTC</em> Zero Textbook Cost section: This course does not require purchase of a textbook and may use free Open Educational Resources (OER) or free textbook alternatives.</td>
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<td>D.Woods</td>
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- Satisfies Cal. State University General Education
- # Satisfies Cuyamaca College General Education (includes Graduation Requirement)
- S Denotes short-term class
- "ZTC" Section uses free materials.
BOT-225 Office Work Experience 3.0
Prerequisite: Limited to BOT majors who have completed at least 12 units in the major.
Recommended Preparation: Keyboarding and computer skills as well as training in a variety of office procedures as required by most worksites.
9352 TBA P.Newman
Required orientation: email pat.newman@gcccd.edu. Must be completed by 2/8. 3 units = 225 hours paid/180 hours unpaid work experience.

BUSINESS

BUS-110 Introduction to Business 3.0
4215 TBA WEB=WEB M.Aubry
Online course; 52.5 total instructional hours.
S 5130 01:15PM-02:30PM TTH SCHS-SCHS J.Newmann Jan 28-Jun 08
Meets at Steele Canyon High School, 12440 Campo Road, Spring Valley, CA, room TBA. No meetings 4/15 to 4/26 (Spring Break). Contact instructor for enrollment information.

BUS-111 Entrep: Starting a Business 3.0
Starting or expanding a small business.
8950 06:00PM-09:05PM M E-227 D.Fitch

BUS-112 Craft Entrepreneur 2.0
4214 TBA WEB=WEB D.Fitch
Online course; 35 total instructional hours. This is part of the Craft Industries Certificate. Email instructor Dana.fitch@gcccd.edu with questions.

BUS-115 Human Relations in Business 3.0
4210 TBA WEB=WEB J.Ducharme
Online course; 52.5 total instructional hours. Students must contact julie.ducharme@gcccd.edu prior to class starting.

BUS-120 Financial Accounting 4.0
0059 TBA WEB=WEB A.Taccone
Online course; 70 total instructional hours. Working knowledge of Word, Excel REQUIRED. Email instructor for information.
5080 TBA WEB=WEB R.Farris
Online course; 70 total instructional hours. Working knowledge of Word, Excel REQUIRED. Email rachel.farris@gcccd.edu.
S 4798 TBA WEB=WEB C.Obyrne Jan 28-Mar 23
Online course; 70 total instructional hours. Working knowledge of Word, Excel REQUIRED. Email christopher.obyrne@gcccd.edu.
5075 11:00AM-12:50PM TTH E-223 R.Farris
5076 06:00PM-08:20PM TH E-225 S.Spaulding
Additional 1 hour and 30 minutes instructional time/week via Internet.

BUS-121 Managerial Accounting 4.0
Prerequisite: "C" grade or higher or "Pass" in BUS 120 or equivalent.
8304 TBA WEB=WEB C.Obyrne
Online course; 70 total instructional hours. Working knowledge of Word, Excel REQUIRED. Email christopher.obyrne@gcccd.edu.
S 5092 TBA WEB=WEB C.Obyrne Feb 04-May 25
Online course; 70 total instructional hours. Working knowledge of Word, Excel REQUIRED. Email christopher.obyrne@gcccd.edu.
S 4800 TBA WEB=WEB T.Branton Apr 01-May 25
Online course; 70 total instructional hours. Working knowledge of Word, Excel REQUIRED. Email tracy.branton@gcccd.edu.
5081 12:30PM-02:20PM TTH E-225 C.Obyrne

BUS-124 Auditing 3.0
Prerequisite: "C" grade or higher or "Pass" in BUS 120 or equivalent.
1679 06:30PM-09:35PM M E-225 R.Pacco
Please check WebAdvisor at https://wa.gcccd.edu for course changes (added/cancelled sections, room changes, instructor changes, etc.)

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<td>Prerequisite: &quot;C&quot; grade or higher or &quot;Pass&quot; in BUS 120 or equivalent.</td>
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<td>BUS-176</td>
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<td>TBA WEB-WEB J.Ducharme</td>
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<tr>
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<td>Online course; 35 total instructional hours. Email <a href="mailto:tracy.branton@gcccd.edu">tracy.branton@gcccd.edu</a> prior to class starting.</td>
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### CADD TECHNOLOGY

**CADD-115 Engineering Graphics** 3.0  
Using AutoCAD 2018.  
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**CADD-120 Intro to CAD and Design** 3.0  
Corequisite: CADD 115 or previous enrollment.  
Recommended Preparation: Working knowledge of basic computer operations and file administration.  
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<td>J.Parkey</td>
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<td>TTH</td>
<td>E-204</td>
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**CADD-128 Geometric Dimen & Tolerancing** 3.0  
Using AutoCAD 2018.  
Prerequisite: "C" grade or higher or "Pass" in CADD 120 or equivalent.  
Recommended Preparation: "C" grade or higher or "Pass" in CADD/ENGR 125 or equivalent.  
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<td>C.Saghafi</td>
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**CADD-129 Engineering Solid Modeling** 3.0  
Using Creo. Parametric v. 3.0  
Prerequisite: "C" grade or higher or "Pass" in CADD 115 or ENGR 100 or equivalent.  
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Also listed as ENGR 129 #4219.

**CADD-131 Architectural CADD & Design** 3.0  
Prerequisite: "C" grade or higher or "Pass" in CADD 120 or ENGR 119 or equivalent.  
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**CADD-133 Adv Architectural CADD Design** 3.0  
Revit 2017 software will be used.  
Prerequisite: "C" grade or higher or "Pass" in CADD 131 or equivalent.  
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### CHILD DEVELOPMENT

**CD-101 Parent Education** 1.0  
Online course; 17.5 total instructional hours. Email laurie.furry@gcccd.edu by 1/26 & complete online orientation by 2/2.

**CD-106 Practicum: Observation & Exp** 1.0  
Introductory practicum lab completed in the Child Development Center.  
Corequisite: CD 123 or 125 or previous completion of either course with a "C" grade or higher or "Pass"  
<table>
<thead>
<tr>
<th>Section</th>
<th>Instructor</th>
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<tbody>
<tr>
<td>9416</td>
<td>CCDC-CCDC K.Zink</td>
</tr>
</tbody>
</table>

Email kristin.zink@gcccd.edu before 1/26 to arrange 52.5 instructional hours for the semester. Note: Students must attend orientation on 1/22 from 5pm-7 in R111. A T.B. test and proof of immunizations required before lab hours begin.

**CD-115 Changing American Family** 3.0  
Online course; 52.5 total instructional hours. Email kathy.kotowski@gcccd.edu by 1/26 and complete online orientation by 2/2.
Please check WebAdvisor at https://wa.gccd.edu for course changes (added/cancelled sections, room changes, instructor changes, etc.)

CD-123 Programs-Curric Young Children 3.0
Corequisite: CD 106 or concurrent enrollment in a licensed child care program.
9417 01:00PM-04:00PM TH R-111 D.Ferrin
All students wanting to enroll in CD 123 must have previous or concurrent enrollment in CD 106 OR bring a signed letter of verification from the administrator/director of a licensed child care program stating that they are employed or volunteer or will be employed or volunteering during the Spring 2019 semester. The verification should be submitted to Vanessa Saenz in the Admissions and Records Office.

# CD-125 Child Growth and Development 3.0
4221 TBA  WEB-WEB  N.Hernandez
Online course; 52.5 total instructional hours. Email nicole.hernandez@gcccd.edu by 1/26 and complete the orientation by 2/2.
4222 TBA  WEB-WEB  N.Hernandez
Online course; 52.5 total instructional hours. Email tammy.boates@gcccd.edu by 1/26 and complete the orientation by 2/2

CD-126 Art for Child Development 3.0
5117 08:00AM-09:15AM MW R-111 J.Allen
4224 01:00PM-03:50PM T R-111 J.Allen

CD-127 Science & Math for Child Dev 3.0
Recommended Preparation: "C" grade or higher or "Pass" in CD 125 or equivalent.
5118 04:00PM-05:15PM MW R-111 K.Zink
4807 06:00PM-08:15PM T R-111 M.Soltero

CD-128 Music & Movement for Child Dev 3.0
5119 04:00PM-05:15PM TTH R-111 T.Hanna

CD-129 Language & Literature for Cd 3.0
Recommended Preparation: "C" grade or higher or "Pass" in CD 125 or equivalent.
4225 06:00PM-09:05PM M R-111 K.Zink

CD-130 Curric: Design & Implement 3.0
Recommended Preparation: "C" grade or higher or "Pass" in CD 123, 125, 126, 127, 128, 129, 131 or 130 or equivalent.
S 4226 09:00AM-11:50AM MTWTHF R-111 A.Hatfield  Jan 02-Jan 26

CD-131 Child, Family and Community 3.0
Recommended Preparation: "C" grade or higher or "Pass" in CD 123, 125 or equivalent.
0069  TBA  WEB-WEB  T.Boates
Online course; 52.5 total instructional hours. Email Tammy.boates@gcccd.edu by 1/26 and complete the orientation by 2/2
5121 TBA  WEB-WEB  T.Boates
Online course; 52.5 total instructional hours. Email Tammy.boates@gcccd.edu by 1/26 and complete the orientation by 2/2.
0815 08:00AM-09:15AM TTH R-111 A.Hatfield

CD-132 Field Experience Seminar 3.0
Prerequisite: "C" grade or higher or "Pass" in CD 106, 123, 125, 126, 127, 128, 129, 131 and 130 or 143 or equivalent.
Corequisite: CD 133 or 170.
9545 06:00PM-08:50PM T  CCDC-CCDC  K.Kotowski

+ Satisfies Cal. State University General Education
# Satisfies Cuyamaca College General Education (includes Graduation Requirement)
S Denotes short-term class
ZTC Section uses free materials.
CD-133 Field Exp: Student Teaching 2.0
Prerequisite: "C" grade or higher or "Pass" in CD 106, 123, 125, 126, 127, 128, 129, 130, 131 or equivalent.
Corequisite: CD 132
8497 TBA K.Kotowski
2 units=150 hours paid/120 hours unpaid work experience.
A T.B. test, fingerprints, proof of immunizations required before practicum begins.

CD-134 Health, Safety & Nutrition 3.0
0816 TBA WEB-WEB L.Furry
Online course; 52.5 total instructional hours. Email laurie.furry@gcccd.edu by 1/26 and complete the orientation by 2/2.
1589 09:30AM-12:20PM TH R-111 A.Hatfield

CD-136 Adult Supervision 3.0
Recommended Preparation: 12 units of Child Development as defined by Title 22 licensing regulations: 3 units in Child Growth and Development (CD 125), 3 units in Child, Family and Community (CD 131), 6 units in Program Curriculum (CD 123 or 126 or 127 or 128 or 129 or 130).
4227 06:00PM-08:50PM W CCDC-CCDC A.Hatfield

CD-141 Work W/Children-Special Needs 3.0
4228 09:30AM-12:35PM F R-111 D.Ferrin

CD-153 Teaching in a Diverse Society 3.0
S 6769 TBA WEB-WEB L.Furry Jan 02-Jan 26
Online course; 52.5 total instructional hours. Email laurie.furry@gcccd.edu by 12/30 & complete online orientation by 1/4.
S 4230 TBA WEB-WEB D.Blaha Apr 01-May 25
Online course; 52.5 instructional hours. Designed for East County Transitional Kindergarten cohort. Contact instructor for enrollment information.
S 5074 TBA WEB-WEB L.Furry Jan 02-Jan 26
Online course; 52.5 total instructional hours. Email laurie.furry@gcccd.edu by 12/30 & complete online orientation by 1/4.
1588 11:00AM-12:15PM MW R-111 K.Zink

CD-170 Practicum: Infants & Toddlers 2.0
Prerequisite: "C" grade or higher or "Pass" in CD 106, 123, 124, 125, 126, 127, 128, 129, and 143 or equivalent.
Corequisite: CD 132 or previous enrollment.
4638 TBA T.Hanna
2 units=150 hours paid/120 hours unpaid work experience.
A T.B. test, fingerprints, and proof of immunizations required before practicum begins.

CD-210 Children Challenging Behaviors 3.0
8704 06:00PM-09:05PM M CCDC-CCDC M.Roberts

CD-213 Observation and Assessment 3.0
4231 04:00PM-07:05PM TTH D.Blaha Jan 28-Mar 23
Designed for East County Transitional Kindergarten cohort. Meets at Cajon Valley Union School District, 750 E Main St, El Cajon, CA 92020 Board Room. Contact instructor for enrollment information.

CHEMISTRY
CHEM-102 Gen, Organic, Biological Chem 5.0
Optional $10 materials fee may be charged. Safety glasses be supplied by student.
Prerequisite: Grade of "Pass" in MATH 060 or MATH 090 or MATH 096 or equivalent.
9551 08:00AM-09:50AM TTH F-702 C.Soans
08:00AM-10:50AM F H-202
9553 12:00PM-01:50PM TTH F-408 R.Pedroza
02:00PM-04:50PM T H-204
Please check WebAdvisor at https://wa.gcccd.edu for course changes (added/cancelled sections, room changes, instructor changes, etc.)

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**COMPUTER & INFORMATION SCIENCE**

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<tr>
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Please check WebAdvisor at https://wa.gcccd.edu for course changes (added/cancelled sections, room changes, instructor changes, etc.)

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- Satisifies Cal. State University General Education
- # Satisifies Cuyamaca College General Education (includes Graduation Requirement)
- S Denotes short-term class
- "ZTC" Section uses free materials.
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CIS-204 Cisco Networking Academy IV 3.0
Prerequisite: "C" grade or higher or "Pass" in CIS 203 or completion of CCNA3 Version 6 at another Cisco Networking Academy, or explicit instructor permission.
4459 06:00PM-08:30PM E-207 A.Alam
Additional 2 hours and 20 minutes instructional time/week via Internet.

CIS-205 Imp Cisco IP Routing 3.0
Prerequisite: "C" grade or higher or "Pass" in CIS 204 or equivalent or successful completion of the current version of CCNA1, 2, 3 and 4 at another Cisco Networking Academy or possess a current CCNA.
4460 TBA WEB-WEB R.Glauser
Online course; 87.5 total instructional hours.

CIS-209 Cisco Networking Academy IX 3.0
Prerequisite: "C" grade or higher or "Pass" in CIS 202 or equivalent or successful completion of the current version of CCNA1, and 2 at another Cisco Networking Academy or possess a current CCNA or CCENT certification.
4461 TBA WEB-WEB A.Alam
Online course; 87.5 total instructional hours.

CIS-211 Web Development I 3.0
Recommended Preparation: Basic computer skills (ability to use the Internet, word process documents, manage electronic files).
4462 TBA WEB-WEB J.Reed
Online course; 87.5 total instructional hours.
4458 09:30AM-12:20PM T E-204 J.Reed
Additional 2 hours instructional time/week via Internet.

CIS-213 Web Development II 3.0
Using current version of Dreamweaver.
Recommended Preparation: "C" grade or higher or "Pass" in CIS 211 or equivalent.
0873 TBA WEB-WEB D.Dean
Online course; 87.5 total instructional hours.

CIS-215 JavaScript Web Programming 3.0
Recommended Preparation: "C" grade or higher or "Pass" in CIS 211 or equivalent or one year verifiable HTML and CSS coding experience.
8345 TBA WEB-WEB T.Felkie
Online course; 87.5 total instructional hours.

CIS-265 Comp Forensics Fundamentals 3.0
Prerequisite: Completion of CIS 264 with Grades of "C" or better.
4463 TBA WEB-WEB K.Anderson
Online course; 87.5 total instructional hours.

CIS-267 Directed Work Exp in CIS
Prerequisite: 12 units in CIS/CS courses related to field in which work experience is sought and current resume highlighting computer science or information system experience and course-related study.
8849 TBA C.Sharon
Mandatory orientation; contact Curtis Sharon at curtis.sharon@gcccd.edu or 619-660-4374. 1 unit=75 hours paid/60 hours unpaid work experience. Instructor permission required to enroll.
8850 TBA C.Sharon
Mandatory orientation; contact Curtis Sharon at curtis.sharon@gcccd.edu or 619-660-4374. 2 units=150 hours paid/120 hours unpaid work experience. Instructor permission required to enroll.
CIS-290 Windows Server-Install, Config 2.0
Using Server 2012.
Prerequisite: "C" grade or higher or "Pass" in CIS 190 or equivalent or current Microsoft Certified Technology Specialist (MCTS) 70-680 certification.
S 1714 TBA WEB+WEB J.Garibay Feb 04-May 04
Online course; 70 total instructional hours.

CIS-294 Win Server-Adv Configuration 2.0
Prerequisite: "C" grade or higher or "Pass" in CIS 190 or equivalent or current Microsoft Certified Technology Specialist (MCTS) 70-680 certification.
5055 TBA WEB+WEB J.Garibay
Online course; 70 total instructional hours.

COMMUNICATION

**COMM-110 Intro to Mass Communication 3.0**
S 8248 TBA WEB+WEB K.Togerson Jan 02-Jan 26
Online course; 52.5 total instructional hours.
5841 TBA WEB+WEB K.Togerson
Online course; 52.5 total instructional hours.
8776 TBA WEB+WEB K.Togerson
Online course; 52.5 total instructional hours.

**COMM-120 Interpersonal Communication 3.0**
S 5845 08:00AM-09:15AM MW B-253 B.O'Donnell
9447 08:00AM-09:15AM TTH B-253 B.O'Donnell
S 4682 09:00AM-11:15AM MTWTHF B-253 B.O'Donnell Jan 02-Jan 26
5847 09:00AM-12:05PM F B-253 B.O'Donnell
8243 09:30AM-10:45AM TTH B-253 N.Jennings
1869 12:30PM-01:45PM TTH B-253 A.Pitts
S 1945 12:30PM-03:20PM MTWTHF B-253 B.O'Donnell Jan 02-Jan 26
5866 01:00PM-05:30PM T B-253 N.Jennings
Additional 1 hour and 20 minutes instructional time/week via internet.
1137 06:30PM-09:20PM W B-253 C.Pearson

**COMM-122 Public Speaking 3.0**
S 5855 08:00AM-09:15AM MW B-262 N.Wier
5856 08:00AM-09:15AM TTH B-262 N.Wier
S 0358 08:00AM-11:05AM M HSHM-HSHM B.Chambers Jan 28-Jun 05
Meets at Health Sciences High & Middle College, 3910 University Ave, San Diego, CA 92105 room 301. Contact instructor for enrollment information.
7273 09:00AM-12:05PM F B-262 K.Togerson
6551 09:30AM-10:45AM MW B-262 N.Wier
1457 11:00AM-12:15PM MW B-262 N.Wier
S 4683 12:30PM-03:20PM MTWTHF B-164 K.Togerson Jan 02-Jan 26
8246 01:30PM-04:20PM W B-253 N.Jennings
1138 02:00PM-03:30PM T B-262 B.Chambers
Additional 1 hour 20 minutes instructional time/week via Internet.
S 5146 03:00PM-04:25PM TTH VHS-VHS T.Romero Jan 28-May 28
Meets at Valhalla High School, 1725 Hillsdale Rd, El Cajon, CA room 301. No meetings 4/15-4/26 (Spring Break).
COMM-123 Advanced Public Speaking 3.0
Prerequisite: "C" grade or higher or "Pass" in COMM 122 or equivalent.
4305 11:00AM-12:15PM TTH B-253 N.Jennings

S COMM-124 Intercultural Communication 3.0
8244 09:30AM-12:35PM TTH B-262 N.Wier Jan 28-Mar 23

S COMM-137 Critical Thinking Group Comm 3.0
4306 09:30AM-10:45AM MW B-253 N.Jennings

COMM-145 Argumentation 3.0
4308 11:00AM-12:15PM MW B-253 N.Jennings

COUNSELING

COUN-095 Academic/Financial Aid Plan 0.5
Pass/No Pass Only.
S 1957 08:00AM-12:00PM F E-210 M.Montano Feb 01-Feb 01
12:30PM-05:00PM F 1-E-210
This course is designed for students on probation or disqualification with financial aid. Friday morning and afternoon are one class meeting. A 30-minute lunch break is included.

S 1960 08:00AM-12:00PM F E-210 STAFF Apr 19-Apr 19
12:30PM-05:00PM F E-210
This course is designed for students on probation or disqualification with financial aid. Friday morning and afternoon are one class meeting. A 30-minute lunch break is included.

S 1961 08:00AM-12:00PM F E-210 M.Montano May 17-May 17
12:30PM-05:00PM F E-210
This course is designed for students on probation or disqualification with financial aid. Friday morning and afternoon are one class meeting. A 30-minute lunch break is included.

S 1956 08:00AM-12:00PM S E-210 S.Armenta Jan 26-Jan 26
12:30PM-05:00PM S B-154
This course is designed for students on probation or disqualification with financial aid. Friday morning and afternoon are one class meeting. A 30-minute lunch break is included.

S 1958 08:00AM-12:00PM S E-210 B.Williams Feb 23-Feb 23
12:30PM-05:00PM S E-210
This course is designed for students on probation or disqualification with financial aid. Saturday morning and afternoon are one class meeting. A 30-minute lunch break is included.

S 1959 08:00AM-12:00PM S E-210 STAFF Mar 09-Mar 09
12:30PM-05:00PM S E-210
This course is designed for students on probation or disqualification with financial aid. Saturday morning and afternoon are one class meeting. A 30-minute lunch break is included.

COUN-110 Career Decision Making 1.0
S 0127 09:00AM-12:15PM F F-506 D.Vanalstyne Apr 22-May 25
S 1605 09:30AM-11:45AM F F-405 C.Cuz-Flores Jan 28-Mar 23
This course is part of the Pathway Academy program. For enrollment information contact the instructor.

S 1607 09:30AM-11:45AM F F-407 S.Gonzalez Jan 28-Mar 23
This course is part of the Pathway Academy program. For enrollment information contact the instructor.

S 1609 09:30AM-11:45AM F F-408 D.Mendoza Jan 28-Mar 23
This course is part of the Pathway Academy program. For enrollment information contact the instructor.

S 1608 12:30PM-02:45PM F F-407 S.Gonzalez Jan 28-Mar 23
This course is part of the Pathway Academy program. For enrollment information contact the instructor.

Please check WebAdvisor at https://wa.gcccd.edu for course changes (added/cancelled sections, room changes, instructor changes, etc.)

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+ **COUN-120 College and Career Success  3.0**

S 0881  TBA  WEB=WEB  C.Morrin  Jan 28-Mar 23
  Online course; 52.5 total instructional hours. Familiarity with computers, high speed Internet required. Go to www.cuyamaca.edu/cindymorrin for orientation and all course information.

S 4844  TBA  WEB=WEB  N.Keeley  Jan 28-Mar 23
  Online course; 52.5 total instructional hours.

S 0882  TBA  WEB=WEB  M.Fralick  Jan 28-Mar 23
  Online course; 52.5 total instructional hours. Familiarity with computers, high speed Internet required. See www.collegesuccess1.com/online.htm

S 0883  TBA  WEB=WEB  C.Morrin  Apr 01-May 25
  Online course; 52.5 total instructional hours. Familiarity with computers, and high speed Internet required. See www.cuyamaca.edu/cindymorrin to complete the mandatory online orientation by 4/4.

S 4496  TBA  WEB=WEB  C.Morrin  Apr 01-May 25
  Online course; 52.5 total instructional hours. Familiarity with computers, and high speed Internet required. See www.cuyamaca.edu/cindymorrin for course information.

S 5059  TBA  HHS=HHS K.Bycsek  Jan 09-Jun 04
  52.5 total instructional hours. Meets at Helix Charter High School, 7323 University Ave., La Mesa, CA 91942 room 530. Class meeting days and times are per the 2A Bell schedule; times to be announced on the class syllabus. Class meets one hour and 5 minutes each class meeting. Contact instructor for enrollment information. No class on 1/30, 3/13, 3/15, 3/18-3/29. (Spring Break), 4/11, 4/19, and 5/29.

S 5060  TBA  HHS=HHS K.Bycsek  Jan 09-Jun 04
  52.5 total instructional hours. Meets at Helix Charter High School, 7323 University Ave., La Mesa, CA 91942 room 530. Class meeting days and times are per the 2B Bell schedule; times to be announced on the class syllabus. Class meets one hour and 5 minutes each class meeting. Contact instructor for enrollment information. No class on 3/14, 3/15, 3/18-3/29. (Spring Break), 4/10, 4/12, 4/19 and 5/28.

  4494  09:30AM-10:45AM  M  E-210  C.Morrin
  4495  11:00AM-12:15PM  M  E-210  C.Morrin
  1313  12:30PM-01:45PM  M  E-227  A.Yassi
  0887  06:00PM-09:05PM  M  A-112  R.Jerjis

+ **COUN-140 Self Awareness & Interpersonal  3.0**

S 0889  05:00PM-08:30PM  W  A-112  R.Jerjis  Feb 11-May 25

**COUN-150 Transfer Success  1.0**

S 1601  09:30AM-11:35AM  F  F-407  S.Gonzalez  Apr 01-May 25
  This course is part of the Pathway Academy program. *ZTC* Zero Textbook Cost section: This course does not require purchase of a textbook and may use free Open Educational Resources (OER) or free textbook alternatives. For enrollment information contact the instructor.

S 1603  09:30AM-11:35AM  F  F-408  D.Mendoza  Apr 01-May 25
  This course is part of the Pathway Academy program. *ZTC* Zero Textbook Cost section: This course does not require purchase of a textbook and may use free Open Educational Resources (OER) or free textbook alternatives. For enrollment information contact the instructor.

S 1604  09:30AM-11:35AM  F  F-405  C.Cuz-Flores  Apr 01-May 25
  This course is part of the Pathway Academy program. *ZTC* Zero Textbook Cost section: This course does not require purchase of a textbook and may use free Open Educational Resources (OER) or free textbook alternatives. For enrollment information contact the instructor.

S 1602  12:30PM-02:35PM  F  F-407  S.Gonzalez  Apr 01-May 25
  This course is part of the Pathway Academy program. *ZTC* Zero Textbook Cost section: This course does not require purchase of a textbook and may use free Open Educational Resources (OER) or free textbook alternatives. For enrollment information contact the instructor.

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COMPUTER SCIENCE

CS-119 Program Design & Development 3.0
Corequisite: CS 119L
Recommended Preparation: "C" grade or higher or "Pass" in CIS 110 or equivalent.
4451 TBA WEB-WEB R.Mitchell
Online course; 52.5 total instructional hours. Requires concurrent enrollment in CS 119L #4452.
9591 06:00PM-07:30PM T E-212 J.Gerstenberg
Additional 1 hour 20 minutes instructional time/week via Internet. Requires concurrent enrollment in CS 119L #9592.

CS-119L Program Design & Develop Lab 1.0
Corequisite: CS 119
Recommended Preparation: "C" grade or higher or "Pass" in CIS 110 or equivalent.
4452 TBA WEB-WEB R.Mitchell
Online course; 52.5 total instructional hours. Requires concurrent enrollment in CS 119 #4451.
9592 07:50PM-09:20PM T E-212 J.Gerstenberg
Additional 1 hour 20 minutes instructional time/week via Internet. Requires concurrent enrollment in CS 119 #9591.

CS-181 Intro to C++ Programming 4.0
Recommended Preparation: "C" grade or higher or "Pass" in CS 119 or equivalent, and intermediate algebra.
8351 TBA WEB-WEB A.Antwan
Online course; 105 total instructional hours. Email azhar.antwan@gcccd.edu by 1/25.
8914 TBA WEB-WEB R.Mitchell
Online course; 105 total instructional hours.
4453 06:00PM-09:50PM TH E-212 R.Mitchell
Additional 2 instructional hours/week via Internet.

CS-182 Intro to Java Programming 4.0
Prerequisite: "C" grade or higher or "Pass" in MATH 110 or equivalent.
Recommended Preparation: "C" grade or higher or "Pass" in CS 119 or equivalent or experience programming in C++ or Java.
0077 TBA WEB-WEB T.Volkman
Online course; 105 total instructional hours.

CS-281 Intermediate C++ Programming 4.0
Prerequisite: "C" grade or higher or "Pass" in CS 181 or equivalent.
8759 06:00PM-09:50PM W E-212 J.Sanchez
Additional 2 instructional hours/week via Internet.

CS-282 Intermediate Java Programming 4.0
Using Netbeans 6.x
Prerequisite: "C" grade or higher or "Pass" in CS 182 or equivalent.
1719 06:00PM-10:05PM M E-212 J.Gerstenberg
Additional 2 instructional hours/week via Internet.

CENTER FOR WATER STUDIES

CWS-100 Careers in Water & Wastewater 3.0
S 4988 06:00PM-09:05PM TTH L-101 M.Uhrhammer Jan 28-Mar 23

CWS-101 Fund of Water & Wastewater 3.0
Overview of the water/wastewater field and issues confronting the industry.
S 4966 06:00PM-09:15PM MW L-104 J.Young Jan 28-Mar 23
### CWS-102 Calc in Water & Wastewater  
Mathematical principles in solving problems related to Water Distribution and Treatment Systems.  
Recommended Preparation: Competency in basic math.  
<table>
<thead>
<tr>
<th>Section</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
<th>Instructor</th>
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<td>S</td>
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### CWS-103 Water Resources Management  
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<td>TTH</td>
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### CWS-107 Safety in Water & Wastewater  
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<td>L-103</td>
<td>J.MacKey</td>
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### CWS-115 Wastewater Reclamation&Reuse  
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<td>B.Ayers</td>
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### CWS-130 Water Distribution Systems  
3.0  
Recommended Preparation: "C" grade or higher or "Pass" in CWS 102 or equivalent.  
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<td>L-104</td>
<td>J.Young</td>
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### CWS-204 Applied Hydraulics  
3.0  
Recommended Preparation: "C" grade or higher or "Pass" in CWS 102 or equivalent.  
<table>
<thead>
<tr>
<th>Section</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
<th>Instructor</th>
<th>Start/End</th>
</tr>
</thead>
<tbody>
<tr>
<td>S</td>
<td>06:00PM-09:05PM</td>
<td>TTH</td>
<td>L-104</td>
<td>J.Young</td>
<td>Apr 01-May 25</td>
</tr>
</tbody>
</table>

### CWS-212 Adv Water Treatment Pint Oper  
3.0  
Prerequisite: "C" grade or higher or "Pass" in CWS 112 or equivalent.  
<table>
<thead>
<tr>
<th>Section</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
<th>Instructor</th>
<th>Start/End</th>
</tr>
</thead>
<tbody>
<tr>
<td>S</td>
<td>06:00PM-09:15PM</td>
<td>MW</td>
<td>L-103</td>
<td>C.Palechek</td>
<td>Jan 28-Mar 23</td>
</tr>
</tbody>
</table>

### CWS-214 Adv Wastewtr Treatmnt Plant Ops  
3.0  
Wastewater treatment process units; equipment and facilities operations.  
Prerequisite: "C" grade or higher or "Pass" in CWS 114 or equivalent.  
<table>
<thead>
<tr>
<th>Section</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
<th>Instructor</th>
<th>Start/End</th>
</tr>
</thead>
<tbody>
<tr>
<td>S</td>
<td>06:00PM-09:05PM</td>
<td>MW</td>
<td>L-103</td>
<td>P.Porras</td>
<td>Apr 01-May 25</td>
</tr>
</tbody>
</table>

### CWS-232 Adv Wastewater Collection Sys  
3.0  
Prerequisite: "C" grade or higher or "Pass" in CWS 132 or equivalent.  
<table>
<thead>
<tr>
<th>Section</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
<th>Instructor</th>
<th>Start/End</th>
</tr>
</thead>
<tbody>
<tr>
<td>S</td>
<td>06:00PM-09:05PM</td>
<td>MW</td>
<td>L-102</td>
<td>B.Ayers</td>
<td>Apr 01-May 25</td>
</tr>
</tbody>
</table>

### CWS-268 Membrane Plant Operation  
3.0  
Prerequisite: "C" grade or higher or "Pass" in CWS 112 or 114 or equivalent.  
<table>
<thead>
<tr>
<th>Section</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
<th>Instructor</th>
<th>Start/End</th>
</tr>
</thead>
<tbody>
<tr>
<td>S</td>
<td>06:00PM-09:05PM</td>
<td>TTH</td>
<td>L-102</td>
<td>J.Brazil</td>
<td>Apr 01-May 25</td>
</tr>
</tbody>
</table>

### CWS-280 Backflow Tester Training  
2.0  
Preparation for the AWWA and ABPA certification exams.  
<table>
<thead>
<tr>
<th>Section</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
<th>Instructor</th>
<th>Start/End</th>
</tr>
</thead>
<tbody>
<tr>
<td>S</td>
<td>06:00PM-07:30PM</td>
<td>MW</td>
<td>L-101</td>
<td>F.Garcia</td>
<td>Jan 28-Mar 23</td>
</tr>
<tr>
<td></td>
<td>07:40PM-09:05PM</td>
<td>MW</td>
<td>L-101</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Certification testing is available Sat. 3/24. Students must pay additional fees directly to ABPA (approximately $85) or AWWA (approximately $200). Preparation for the AWWA and ABPA certification exams.

### CWS-284 Cross-Conn Cntrl Spec Reclamed  
3.0  
<table>
<thead>
<tr>
<th>Section</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
<th>Instructor</th>
<th>Start/End</th>
</tr>
</thead>
<tbody>
<tr>
<td>S</td>
<td>06:00PM-09:05PM</td>
<td>MW</td>
<td>L-101</td>
<td>D.Stoltz</td>
<td>Apr 01-May 25</td>
</tr>
</tbody>
</table>

### CWS-290 Cooperative Work Experience  
Application of classroom experiences in industry.  
Recommended Preparation: Successful completion of at least three Water/Wastewater technology courses prior to enrolling in Cooperative Work Experience is highly recommended.  
<table>
<thead>
<tr>
<th>Section</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
<th>Instructor</th>
<th>Start/End</th>
</tr>
</thead>
<tbody>
<tr>
<td>TBA</td>
<td>TBA</td>
<td></td>
<td></td>
<td>L.Generoso</td>
<td></td>
</tr>
</tbody>
</table>
Required orientation Mon. 2/4, 4:30pm in F614; second orientation TBA. 1 unit=75 hours paid/60 hours non-paid work experience.
Please check WebAdvisor at https://wa.gcccd.edu for course changes (added/cancelled sections, room changes, instructor changes, etc.)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
<th>Instructor</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECON-110</td>
<td>Economic Issues and Policies</td>
<td>3.0</td>
<td>TBA</td>
<td>TTH</td>
<td>E-229</td>
<td>M.Aubry</td>
</tr>
<tr>
<td>ECON-120</td>
<td>Principles of Macroeconomics</td>
<td>3.0</td>
<td>TBA</td>
<td>TTH</td>
<td>E-229</td>
<td>M.Aubry</td>
</tr>
<tr>
<td>ECON-121</td>
<td>Principles of Microeconomics</td>
<td>3.0</td>
<td>TBA</td>
<td>TTH</td>
<td>F-620</td>
<td>J.Godfrey</td>
</tr>
<tr>
<td>EHSM-100</td>
<td>Environmental &amp; OSH Tech</td>
<td>4.0</td>
<td>TBA</td>
<td>TTH</td>
<td>F-620</td>
<td>J.Godfrey</td>
</tr>
<tr>
<td>EHSM-150</td>
<td>Hazardous Waste Mgmt Applic</td>
<td>4.0</td>
<td>TBA</td>
<td>TTH</td>
<td>F-620</td>
<td>J.Godfrey</td>
</tr>
<tr>
<td>EHSM-201</td>
<td>Industrial Hygiene/Occup Hlth</td>
<td>4.0</td>
<td>TBA</td>
<td>TTH</td>
<td>F-620</td>
<td>J.Godfrey</td>
</tr>
<tr>
<td>EHSM-230</td>
<td>Hazwoper Certification</td>
<td>3.0</td>
<td>TBA</td>
<td>TTH</td>
<td>F-620</td>
<td>J.Godfrey</td>
</tr>
</tbody>
</table>

Satisfies Cal. State University General Education
Satisfies Cuyamaca College General Education (includes Graduation Requirement)
S Denotes short-term class
“ZTC” Section uses free materials.
Please check WebAdvisor at https://wa.gcccd.edu for course changes (added/cancelled sections, room changes, instructor changes, etc.)

EHSM-240 Cooperative Work Experience.
Application of classroom experience in industry. For orientation details call 619-660-4296.
Prerequisite: "C" grade or higher or "Pass" in EHSM 100 or equivalent.

<table>
<thead>
<tr>
<th>Class</th>
<th>Instructor</th>
<th>Units</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>8943</td>
<td>J.Godfrey</td>
<td>1</td>
<td>75 hours paid/60 hours unpaid work experience.</td>
</tr>
<tr>
<td>8944</td>
<td>J.Godfrey</td>
<td>2</td>
<td>150 hours paid/120 hours unpaid work experience.</td>
</tr>
<tr>
<td>8946</td>
<td>J.Godfrey</td>
<td>3</td>
<td>225 hours paid/180 hours unpaid work experience.</td>
</tr>
<tr>
<td>8948</td>
<td>J.Godfrey</td>
<td>4</td>
<td>300 hours paid/240 hours unpaid work experience.</td>
</tr>
</tbody>
</table>

ENGLISH

ENGL-020 Support-Freshman Composition 1.0
Pass/No Pass only.
Concurrent-enrollment support course for ENGL 120 for students who do not meet the prerequisite for ENGL 120.
Prerequisite: Appropriate Placement.
Corequisite: Concurrent enrollment in ENGL 120

<table>
<thead>
<tr>
<th>Class</th>
<th>Instructor</th>
<th>Notes</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>0035</td>
<td>C.Luna</td>
<td>WEB-WEB</td>
<td>Online course; 17.5 total instructional hours. Student must be concurrently enrolled in ENGL 120 #0036. Familiarity with computers required, high speed internet recommended. Email the instructor at <a href="mailto:cynthia.luna@gcccd.edu">cynthia.luna@gcccd.edu</a> by 1/28 to confirm enrollment.</td>
</tr>
<tr>
<td>4375</td>
<td>L.Crane</td>
<td>WEB-WEB</td>
<td>Online course; 17.5 total instructional hours. Student must be concurrently enrolled in ENGL 120 #4376. Familiarity with computers required, high speed internet recommended. Email the instructor at <a href="mailto:luke.crane@gcccd.edu">luke.crane@gcccd.edu</a> by 1/28 to confirm enrollment.</td>
</tr>
<tr>
<td>4377</td>
<td>K.Lenox</td>
<td>WEB-WEB</td>
<td>Online course; 17.5 total instructional hours. Student must be concurrently enrolled in ENGL 120 #4378. Familiarity with computers required, high speed internet recommended. Email the instructor at <a href="mailto:kim.bailey@gcccd.edu">kim.bailey@gcccd.edu</a> by 1/28 to confirm enrollment.</td>
</tr>
</tbody>
</table>

ENGL-099 Accel Prep Read,Reason&Write 5.0

<table>
<thead>
<tr>
<th>Class</th>
<th>Time</th>
<th>Instructor</th>
<th>Notes</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>6566</td>
<td>08:00AM-10:15AM</td>
<td>L.Brazil</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6566</td>
<td>11:30AM-01:45PM</td>
<td>TTH</td>
<td>B-365 L.Brazil</td>
<td></td>
</tr>
</tbody>
</table>

ENGL-120 College Composition & Reading 3.0
Traditional freshman composition course.
Prerequisite: "C" grade or higher or "Pass" in ENGL 099 or 109 or ESL 119 or 2B or equivalent or assessment.

<table>
<thead>
<tr>
<th>Class</th>
<th>Instructor</th>
<th>Notes</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1563</td>
<td>K.Allen</td>
<td>WEB-WEB</td>
<td>Online course; 70 total instructional hours. Student must be concurrently enrolled in ENGL 020 #0035. Familiarity with computers required, high speed internet recommended. Email the instructor at <a href="mailto:kelly.allen@gcccd.edu">kelly.allen@gcccd.edu</a> by 1/28 to confirm enrollment.</td>
</tr>
</tbody>
</table>

* Satisfies Cal. State University General Education
# Satisfies Cuyamaca College General Education (includes Graduation Requirement)
S Denotes short-term class
“ZTC” Section uses free materials.
(ENGL-120 continued)

<table>
<thead>
<tr>
<th>CRN</th>
<th>Section</th>
<th>Days</th>
<th>Time</th>
<th>Instructor</th>
</tr>
</thead>
<tbody>
<tr>
<td>6568</td>
<td>TBA</td>
<td>WEB</td>
<td>WEB</td>
<td>K.Lenox</td>
</tr>
<tr>
<td>8259</td>
<td>TBA</td>
<td>WEB</td>
<td>WEB</td>
<td>B.Kuhn</td>
</tr>
<tr>
<td>4376</td>
<td>TBA</td>
<td>WEB</td>
<td>WEB</td>
<td>L.Crane</td>
</tr>
<tr>
<td>4378</td>
<td>TBA</td>
<td>WEB</td>
<td>WEB</td>
<td>K.Lenox</td>
</tr>
<tr>
<td>5301</td>
<td>0019</td>
<td>M</td>
<td>08:00AM-09:50AM</td>
<td>M.Bucky</td>
</tr>
<tr>
<td>5097</td>
<td>S</td>
<td>T</td>
<td>08:00AM-10:35AM</td>
<td>HSHM-HSHM</td>
</tr>
<tr>
<td>0030</td>
<td>M</td>
<td>09:30AM-11:20AM</td>
<td>B-271</td>
<td></td>
</tr>
<tr>
<td>5298</td>
<td>M</td>
<td>09:30AM-11:20AM</td>
<td>B-171</td>
<td></td>
</tr>
<tr>
<td>0023</td>
<td>T</td>
<td>09:30AM-10:20AM</td>
<td>B-269</td>
<td></td>
</tr>
<tr>
<td>9456</td>
<td>M</td>
<td>10:00AM-10:50AM</td>
<td>B-271</td>
<td></td>
</tr>
<tr>
<td>4380</td>
<td>M</td>
<td>11:00AM-11:50AM</td>
<td>B-269</td>
<td></td>
</tr>
<tr>
<td>4382</td>
<td>T</td>
<td>11:30AM-12:20PM</td>
<td>B-269</td>
<td></td>
</tr>
</tbody>
</table>

Online course; 70 total instructional hours. Familiarity with computers required; high speed internet recommended. Email instructor at kim.bailey@gcccd.edu by 1/28 to confirm enrollment. Traditional freshman composition course.

Student must be concurrently enrolled in ENGL 020 #4375. Familiarity with computers required, high speed internet recommended. Email the instructor at luke.crane@gcccd.edu by 1/28 to confirm enrollment.

Online course; 70 total instructional hours. Student must be concurrently enrolled in ENGL 020 #4377. Familiarity with computers required, high speed internet recommended. Email the instructor at kim.bailey@gcccd.edu by 1/28 to confirm enrollment.

Online course; 70 total instructional hours. Student must be concurrently enrolled in ENGL 020 #4377. Familiarity with computers required, high speed internet recommended. Email the instructor at ryan.bacchia@gcccd.edu by 1/28 to confirm enrollment.

Online course; 70 total instructional hours. Student must be concurrently enrolled in ENGL 020 #0018. Familiarity with computers required, high speed internet recommended. Email the instructor at k.marrujo@gcccd.edu by 1/28 to confirm enrollment.

Online course; 70 total instructional hours. Student must be concurrently enrolled in ENGL 020 #0029. Familiarity with computers required, high speed internet recommended. Email the instructor at k.marrujo@gcccd.edu by 1/28 to confirm enrollment.

Online course; 70 total instructional hours. Student must be concurrently enrolled in ENGL 020 #0022. Familiarity with computers required, high speed internet recommended. Email the instructor at k.marrujo@gcccd.edu by 1/28 to confirm enrollment.

Online course; 70 total instructional hours. Student must be concurrently enrolled in ENGL 020 #4379. Familiarity with computers required, high speed internet recommended. Email the instructor at k.marrujo@gcccd.edu by 1/28 to confirm enrollment.

Online course; 70 total instructional hours. Student must be concurrently enrolled in ENGL 020 #4381. Familiarity with computers required, high speed internet recommended. Email the instructor at k.marrujo@gcccd.edu by 1/28 to confirm enrollment.

Latinx Themed Course.
Please check WebAdvisor at https://wa.gcccd.edu for course changes (added/cancelled sections, room changes, instructor changes, etc.)

(ENGL-120 continued)

<table>
<thead>
<tr>
<th>CRN</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
<th>Instructor</th>
<th>Start Date</th>
<th>End Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>1730</td>
<td>12:00PM-12:50PM</td>
<td>W</td>
<td>HSHM-HSHM</td>
<td>M.Thayre</td>
<td>Jan 28</td>
<td>Jun 05</td>
</tr>
<tr>
<td></td>
<td>08:00AM-10:50AM</td>
<td>TH</td>
<td>HSHM-HSHM</td>
<td></td>
<td></td>
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</tbody>
</table>

Meets at Health Sciences High & Middle College, 3910 University Ave, San Diego, CA 92105 room TBA. Contact instructor for enrollment information.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
<th>Instructor</th>
<th>Start Date</th>
<th>End Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>4384</td>
<td>01:30PM-02:20PM</td>
<td>T</td>
<td>B-269</td>
<td>L.Brazil</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>02:30PM-03:20PM</td>
<td>T</td>
<td>B-269</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>01:30PM-03:20PM</td>
<td>TH</td>
<td>B-269</td>
<td></td>
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</tr>
</tbody>
</table>

Student must be concurrently enrolled in ENGL 020 #4383.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
<th>Instructor</th>
<th>Start Date</th>
<th>End Date</th>
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<tbody>
<tr>
<td>7145</td>
<td>01:30PM-02:20PM</td>
<td>M</td>
<td>B-271</td>
<td>L.Brazil</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>02:30PM-03:20PM</td>
<td>W</td>
<td>B-270</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>01:30PM-02:20PM</td>
<td>W</td>
<td>B-271</td>
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<table>
<thead>
<tr>
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<th>Days</th>
<th>Location</th>
<th>Instructor</th>
<th>Start Date</th>
<th>End Date</th>
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</thead>
<tbody>
<tr>
<td>4385</td>
<td>01:30PM-02:20PM</td>
<td>T</td>
<td>B-271</td>
<td>C.Ortiz</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>01:30PM-02:20PM</td>
<td>TH</td>
<td>B-271</td>
<td></td>
<td></td>
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</tr>
<tr>
<td></td>
<td>02:30PM-03:20PM</td>
<td>TH</td>
<td>B-268</td>
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<table>
<thead>
<tr>
<th>CRN</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
<th>Instructor</th>
<th>Start Date</th>
<th>End Date</th>
</tr>
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<tbody>
<tr>
<td>4756</td>
<td>05:00PM-07:50PM</td>
<td>W</td>
<td>TBA</td>
<td>O.Monge</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>08:00PM-08:50PM</td>
<td>W</td>
<td>TBA</td>
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<td></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>CRN</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
<th>Instructor</th>
<th>Start Date</th>
<th>End Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>5259</td>
<td>06:00PM-07:50PM</td>
<td>T</td>
<td>B-360</td>
<td>K.McGregor</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>06:00PM-06:50PM</td>
<td>TH</td>
<td>B-360</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>07:00PM-07:50PM</td>
<td>TH</td>
<td>B-270</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**ENGL-122 Introduction to Literature 3.0**

Introduces poetry, fiction, drama, and nonfiction from a diversity of sources.

Prerequisite: "C" grade or higher or "Pass" in ENGL 120 or equivalent.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
<th>Instructor</th>
<th>Start Date</th>
<th>End Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>4371</td>
<td>TBA</td>
<td>WEB</td>
<td>WEB</td>
<td>A.Lapointe</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Online course; 52.5 total instructional hours. Familiarity with computers required; high speed internet recommended. Email instructor at audrey.lapointe@gcccd.edu by 1/28 to confirm enrollment.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
<th>Instructor</th>
<th>Start Date</th>
<th>End Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>4372</td>
<td>11:00AM-12:15PM</td>
<td>MW</td>
<td>B-365</td>
<td>L.Brazil</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Children's literature themed class.

**ENGL-124 Advanced Composition 3.0**

Prerequisite: "C" grade or higher or "Pass" in ENGL 120 or equivalent.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
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<td>T.Larson</td>
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</tr>
</tbody>
</table>

Online course; 70 total instructional hours. Familiarity with computers required, high speed internet recommended. Email the instructor at trina.larson@gcccd.edu by 1/28 to confirm enrollment.

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<th>Days</th>
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Online course; 70 total instructional hours. Familiarity with computers required, high speed internet recommended. Email the instructor at audrey.lapointe@gcccd.edu by 1/28 to confirm enrollment.

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Online course; 70 total instructional hours. Familiarity with computers required, high speed internet recommended. Email the instructor at robert.stafford@gcccd.edu by 1/28 to confirm enrollment.

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<thead>
<tr>
<th>CRN</th>
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Online course; 70 total instructional hours. Familiarity with computers required, high speed internet recommended. Email the instructor at tina.adparvar@gcccd.edu by 1/28 to confirm enrollment.

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Online course; 70 total instructional hours. Familiarity with computers required, high speed internet recommended. Email the instructor at cynthia.luna@gcccd.edu by 1/28 to confirm enrollment.

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Online course; 70 total instructional hours. Familiarity with computers required, high speed internet recommended. Email the instructor at luke.crane@gcccd.edu by 1/28 to confirm enrollment.

- Satisfies Cal. State University General Education
- # Satisfies Cuyamaca College General Education (includes Graduation Requirement)
- S Denotes short-term class
- "ZTC" Section uses free materials.
Please check WebAdvisor at https://wa.gcccd.edu for course changes (added/cancelled sections, room changes, instructor changes, etc.)

(ENGL-124 continued)

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**# ENGL-126 Creative Writing**
- **3.0**
- Prerequisite: "C" grade or higher or "Pass" in ENGL 099 or
- or 109 or equivalent or assessment into ENGL 120.

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**## ENGL-202 Intro to Film as Literature**
- **3.0**
- Recommended Preparation: "C" grade or higher or "Pass" in ENGL 120 or equivalent.

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<th>Course Code</th>
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**## ENGL-271 World Literature II**
- **3.0**
- World literature from the 1500s to present including poetry, drama, fiction and non-fiction.
- Recommended Preparation: "C" grade or higher or "Pass" in ENGL 120 or equivalent.

<table>
<thead>
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Additional 1 instructional hour/week via Internet.

**ENGINEERING**

**# ENGR-100 Intro to Engineering & Design**
- **4.0**

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## ENGR-119 Basic Engineering CAD
- **3.0**
- Prerequisite: "C" grade or higher or "Pass" in CADD 115 or ENGR 100 or equivalent.
- Recommended Preparation: Working knowledge of basic computer operations and file administration.

<table>
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## ENGR-120 Engineering Computer Apps
- **3.0**
- Prerequisite: "C" grade or higher or "Pass" in MATH 180 or equivalent or concurrent enrollment.

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## ENGR-129 Engineering Solid Modeling
- **3.0**
- Prerequisite: "C" grade or higher or "Pass" in CADD 115 or ENGR 100 or equivalent.

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Also listed as CADD 129 #4218.

+ Satisfies Cal. State University General Education
# Satisfies Cuyamaca College General Education (includes Graduation Requirement)
S Denotes short-term class

"ZTC" Section uses free materials.
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<td>Electric Circuits 4.0</td>
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<td>&quot;C&quot; grade or higher or &quot;Pass&quot; in MATH 280, PHYC 200 or equivalent.</td>
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<td>ENGR-218</td>
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</tbody>
</table>
Please check WebAdvisor at https://wa.gcccd.edu for course changes (added/cancelled sections, room changes, instructor changes, etc.)

# ES-009C Advanced Aerobic Dance Ex 1.0
Recommended Preparation: "C" grade or higher or "Pass" in ES 009B or equivalent or specified skill competencies.
8517 09:30AM-10:20AM M D-205 S.Nordquist
8524 09:30AM-10:20AM T D-205 S.Nordquist
4167 05:00PM-05:50PM M D-205 L.Dillard
05:00PM-05:50PM W D-205

# ES-010 Cardio Fitness and Nutrition 1.0
1710 09:30AM-10:45AM MM D-203 L.Dillard

# ES-011 Circuit Training 1.0
8218 11:00AM-12:15PM TTH D-203 J.Tomaschke
Emphasizes circuit training. Fitness Center courses have activity and academic requirements.

# ES-012 Sports Conditioning 1.0
4777 09:00AM-09:50AM F D-202 D.Proffitt
10:00AM-12:05PM F D-203

# ES-013 Flexibility Fitness 1.5
4170 08:30AM-09:20AM MM D-205 J.Tomaschke
Additional 1 instructional hour/week via Internet.

# ES-014A Beginning Body Building 1.5
7115 11:00AM-12:50PM M D-401 P.Thiss
11:00AM-11:50AM W D-401
4569 11:00AM-12:50PM T D-401 P.Thiss
11:00AM-11:50AM TH D-401
5067 12:25PM-01:15PM TTH D-203 S.Nordquist
12:25PM-01:15PM W D-203
Contact instructor for enrollment information. Emphasis Employee Class.

# ES-014B Intermediate Body Building 1.5
Recommended Preparation: "C" grade or higher or "Pass" in ES 014A or equivalent.
7129 11:00AM-12:50PM M D-401 P.Thiss
11:00AM-11:50AM W D-401
4570 11:00AM-12:50PM T D-401 P.Thiss
11:00AM-11:50AM TH D-401
5070 12:25PM-01:15PM TTH D-203 S.Nordquist
12:25PM-01:15PM W D-203
Contact instructor for enrollment information. Emphasis Employee Class.

# ES-014C Advanced Body Building 1.5
Recommended Preparation: "C" grade or higher or "Pass" in ES 014B or equivalent.
7131 11:00AM-12:50PM M D-401 P.Thiss
11:00AM-11:50AM W D-401
4571 11:00AM-12:50PM T D-401 P.Thiss
11:00AM-11:50AM TH D-401
4162 12:25PM-01:15PM TTH D-203 S.Nordquist
12:25PM-01:15PM W D-203
Contact instructor for enrollment information. Emphasis Employee Class.

# ES-019A Beginning Physical Fitness 1.5
1819 08:30AM-09:20AM TTH D-203 J.Tomaschke
Additional 1 instructional hour/week via Internet. Emphasis Boot Camp.
6937 11:00AM-11:50AM MW D-205 J.Tomaschke
Additional 1 instructional hour/week via Internet.

+ Satisfies Cal. State University General Education
# Satisfies Cuyamaca College General Education (includes Graduation Requirement)
S Denotes short-term class
* "ZTC" Section uses free materials.
Please check WebAdvisor at https://wa.gcccd.edu for course changes (added/cancelled sections, room changes, instructor changes, etc.)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Units</th>
<th>Recommended Preparation</th>
<th>Recommended Preparation 1</th>
<th>Time</th>
<th>Day</th>
<th>Location</th>
<th>Instructor</th>
</tr>
</thead>
<tbody>
<tr>
<td>ES-019B</td>
<td>Intermediate Physical Fitness 1.5</td>
<td></td>
<td>&quot;C&quot; grade or higher or &quot;Pass&quot; in ES 019A or equivalent.</td>
<td>Additional 1 instructional hour/week via Internet. Emphasis Boot Camp.</td>
<td>1820 09:30AM-09:20AM</td>
<td>TTH</td>
<td>D-203</td>
<td>J.Tomaschke</td>
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<td>6938 11:00AM-11:50AM</td>
<td>W</td>
<td>D-205</td>
<td>J.Tomaschke</td>
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<td>ES-019C</td>
<td>Advanced Physical Fitness 1.5</td>
<td></td>
<td>&quot;C&quot; grade or higher or &quot;Pass&quot; in ES 019B or equivalent.</td>
<td>Additional 1 instructional hour/week via Internet. Emphasis Boot Camp.</td>
<td>1821 08:30AM-09:20AM</td>
<td>TTH</td>
<td>D-203</td>
<td>J.Tomaschke</td>
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<td>6939 11:00AM-11:50AM</td>
<td>MW</td>
<td>D-205</td>
<td>J.Tomaschke</td>
</tr>
<tr>
<td>ES-060A</td>
<td>Beginning Badminton 1.0</td>
<td></td>
<td>&quot;C&quot; grade or higher or &quot;Pass&quot; in ES 060A or equivalent.</td>
<td></td>
<td>4171 06:00PM-06:50PM</td>
<td>M</td>
<td>D-100</td>
<td>S.McNary</td>
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<td>07:00PM-07:50PM</td>
<td>M</td>
<td>D-100</td>
<td>S.McNary</td>
</tr>
<tr>
<td>ES-060B</td>
<td>Intermediate Badminton 1.0</td>
<td></td>
<td>&quot;C&quot; grade or higher or &quot;Pass&quot; in ES 060B or equivalent.</td>
<td>Emphasis on stroke analysis, strategy, match play.</td>
<td>4172 06:00PM-06:50PM</td>
<td>M</td>
<td>D-100</td>
<td>S.McNary</td>
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<td>07:00PM-07:50PM</td>
<td>M</td>
<td>D-100</td>
<td>S.McNary</td>
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<tr>
<td>ES-060C</td>
<td>Advanced Badminton 1.0</td>
<td></td>
<td>&quot;C&quot; grade or higher or &quot;Pass&quot; in ES 060C or equivalent.</td>
<td></td>
<td>4173 06:00PM-06:50PM</td>
<td>M</td>
<td>D-100</td>
<td>S.McNary</td>
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<td>07:00PM-07:50PM</td>
<td>M</td>
<td>D-100</td>
<td>S.McNary</td>
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<tr>
<td>ES-076A</td>
<td>Beginning Tennis 1.0</td>
<td></td>
<td>&quot;C&quot; grade or higher or &quot;Pass&quot; in ES 076A or equivalent.</td>
<td>Fundamentals of the official singles/doubles game.</td>
<td>9487 08:00AM-08:50AM</td>
<td>F</td>
<td>TC-TC</td>
<td>L.Shupe</td>
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<td>09:00AM-09:50AM</td>
<td>F</td>
<td>TC-TC</td>
<td>L.Shupe</td>
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<tr>
<td>ES-076B</td>
<td>Intermediate Tennis 1.0</td>
<td></td>
<td>&quot;C&quot; grade or higher or &quot;Pass&quot; in ES 076B or equivalent.</td>
<td>Emphasis on stroke analysis, strategy, match play.</td>
<td>9489 08:00AM-08:50AM</td>
<td>F</td>
<td>TC-TC</td>
<td>L.Shupe</td>
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<td>09:00AM-09:50AM</td>
<td>F</td>
<td>TC-TC</td>
<td>L.Shupe</td>
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<tr>
<td>ES-076C</td>
<td>Advanced Tennis 1.0</td>
<td></td>
<td>&quot;C&quot; grade or higher or &quot;Pass&quot; in ES 076C or equivalent.</td>
<td>Emphasis on advanced technique, strategy, match play.</td>
<td>9490 08:00AM-08:50AM</td>
<td>F</td>
<td>TC-TC</td>
<td>L.Shupe</td>
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<td>09:00AM-09:50AM</td>
<td>F</td>
<td>TC-TC</td>
<td>L.Shupe</td>
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<tr>
<td>ES-155A</td>
<td>Beginning Basketball 1.0</td>
<td></td>
<td>&quot;C&quot; grade or higher or &quot;Pass&quot; in ES 155A or equivalent.</td>
<td>Introduction to basic skills in basketball.</td>
<td>9520 09:00AM-09:50AM</td>
<td>F</td>
<td>D-100</td>
<td>R.Wojtkowski</td>
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<td>10:00AM-10:50AM</td>
<td>F</td>
<td>D-100</td>
<td>R.Wojtkowski</td>
</tr>
<tr>
<td>ES-155B</td>
<td>Intermediate Basketball 1.0</td>
<td></td>
<td>&quot;C&quot; grade or higher or &quot;Pass&quot; in ES 155B or equivalent.</td>
<td>Intermediate skill level; defensive/offensive tactics and team play.</td>
<td>9521 09:00AM-09:50AM</td>
<td>F</td>
<td>D-100</td>
<td>R.Wojtkowski</td>
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<td></td>
<td>10:00AM-10:50AM</td>
<td>F</td>
<td>D-100</td>
<td>R.Wojtkowski</td>
</tr>
</tbody>
</table>

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# ES-155C Advanced Basketball 1.0
Emphasis on advanced level skills, tactics, strategy.
Recommended Preparation: "C" grade or higher or "Pass" in ES 155B or equivalent.
9522 09:00AM-09:50AM F D-100 R.Wojtkowski
10:00AM-10:50AM F D-100
S 1955 04:00PM-04:50PM WTH D-100 R.Wojtkowski Apr 01-May 25
05:00PM-05:50PM WTH D-100

# ES-170A Beginning Soccer 1.0
Basic soccer strategy; emphasis on individual skills and team play.
1766 10:00AM-10:50AM S FLDM-FLDM S.McNary
11:00AM-11:50AM S FLDM-FLDM
6904 11:00AM-11:50AM F FLDM-FLDM R.Wojtkowski
12:00PM-12:50PM F FLDM-FLDM

# ES-170B Intermediate Soccer 1.0
Intermediate skills, techniques and team strategy.
Recommended Preparation: "C" grade or higher or "Pass" in ES 170A or equivalent.
1767 10:00AM-10:50AM S FLDM-FLDM S.McNary
11:00AM-11:50AM S FLDM-FLDM
6905 11:00AM-11:50AM F FLDM-FLDM R.Wojtkowski
12:00PM-12:50PM F FLDM-FLDM

# ES-170C Advanced Soccer 1.0
Advanced soccer skills and team play.
Recommended Preparation: "C" grade or higher or "Pass" in ES 170B or equivalent.
1768 10:00AM-10:50AM S FLDM-FLDM S.McNary
11:00AM-11:50AM S FLDM-FLDM
6906 11:00AM-11:50AM F FLDM-FLDM R.Wojtkowski
12:00PM-12:50PM F FLDM-FLDM

# ES-175A Beginning Volleyball 1.0
Individual skills and team strategy.
9529 06:00PM-06:50PM T D-100 D.Regas
07:00PM-07:50PM T D-100

# ES-175B Intermediate Volleyball 1.0
Intermediate play, four-person teams and strategies.
Recommended Preparation: "C" grade or higher or "Pass" in ES 175A or equivalent.
9532 06:00PM-06:50PM T D-100 D.Regas
07:00PM-07:50PM T D-100

# ES-175C Advanced Volleyball 1.0
Advanced play, four-person teams and strategies.
Recommended Preparation: "C" grade or higher or "Pass" in ES 175B or equivalent.
9531 06:00PM-06:50PM T D-100 D.Regas
07:00PM-07:50PM T D-100

# ES-180 Self Defense for Women 1.0
4174 12:30PM-01:20PM T D-205 H.Wilson
12:30PM-01:20PM TH D-205

ES-206 Intercollegiate Basketball 2.0
$17.50 insurance fee due at registration.
Prerequisite: Tryout
S 8233 03:00PM-04:20PM M D-100 R.Wojtkowski Dec 26-Mar 16
02:00PM-03:20PM THWTH D-100
04:25PM-05:45PM M D-100
03:25PM-04:45PM THWTH D-100
Team competition in men's basketball. Class meets these State/Federal Holidays: 1/21, 2/15, 2/18
Please check WebAdvisor at https://wa.gcccd.edu for course changes (added/cancelled sections, room changes, instructor changes, etc.)

ES-213 Intercollegiate Golf 2.0
$17.50 insurance fee due at registration.
Prerequisite: Tryout
9366 12:00PM-04:50PM M SYCN-SYCN J.Klein
12:00PM-04:50PM W SYCN-SYCN
Team competition in men's golf. Meets at Sycuan Golf Resort, 3007 Dehesa Road, El Cajon. Students must bring their own golf clubs.

ES-227 Intercollegiate Track 2.0
$17.50 insurance fee due at registration.
Prerequisite: Tryout
9369 02:30PM-03:20PM MTWTHF TRK-TRK P.Thiss
03:30PM-04:20PM MTWTHF TRK-TRK
Team competition in men's track.
9368 03:15PM-04:05PM MTWTHF TRK-TRK T.Seaman
04:15PM-05:05PM MTWTHF TRK-TRK
Team competition in women's track.

ES-248 Conditioning for Athletes 1.0
$17.50 insurance fee due at registration.
Prerequisite: Recommendation of Intercollegiate Coach
S 6675 12:00PM-01:35PM MW SYCN-SYCN J.Klein Jan 02-Jan 26
01:40PM-03:15PM MW SYCN-SYCN
01:05PM-02:40PM T SYCN-SYCN
02:45PM-04:20PM T SYCN-SYCN
For Men's and Women's Intercollegiate Golf. Meets at Sycuan Golf Resort, 3007 Dehesa Road, El Cajon. Students must bring their own golf clubs.
S 4895 03:00PM-03:50PM MTWTHF TRK-TRK T.Hunt Jan 02-Jan 26
03:55PM-04:45PM MTWTHF TRK-TRK
Designed for Men's and Women's Cross-Country Athletes.

ES-249 Comp for Intercoll Athletes 2.0
$17.50 insurance fee due at registration.
Prerequisite: Recommendation of Intercollegiate Coach
4164 07:30AM-08:20AM T D-100 D.Proffitt
08:30AM-09:20AM T D-100
07:30AM-09:20AM TH D-100
Competencies for Women's Intercollegiate Volleyball, 2 unit course.
0363 12:30PM-01:20PM M FLDM-FLDM J.Tomaschke
01:30PM-03:45PM M FLDM-FLDM
12:30PM-03:45PM W FLDM-FLDM
Soccer Competencies for Women's Intercollegiate Athletes, 3 unit course.
1881 02:00PM-02:50PM M FLDM-FLDM B.Hiatt-Aleu
03:00PM-04:15PM M FLDM-FLDM
02:00PM-04:15PM W FLDM-FLDM
02:00PM-03:50PM TH FLDM-FLDM
Soccer Competencies for Men's Intercollegiate Athletes, 3 unit course.

ES-250 Introduction to Kinesiology 3.0
9913 TBA WEB-WEB P.Thiss
Online course; 52.5 total instructional hours.

ES-271 Fitness Walking w/Children 1.0
S 4163 01:00PM-03:10PM TTH D-202 S.Nordquist Jan 07-Jan 19
Additional 4 instructional hours/week via Internet.

ES-272 Issues in Childhood Obesity 1.0
S 5745 TBA WEB-WEB S.Nordquist Jan 02-Jan 26
Online course; 17.5 total instructional hours.

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ENGLISH AS A SECOND LANGUAGE

ESL-1A Accel Reading & Writing - ESL 6.0
Prerequisite: Grade of "Pass" in ESL 080 or equivalent or assessment into ESL 096, 100 or 1A.
S 5065 07:25AM-08:55AM MWF R.Miravete Jan 07-Jun 11
Meets at Mountain Empire High School 3305 Buckman Springs Rd,
1611 09:30AM-12:20PM MW F-405 D.Garrett
0344 09:30AM-12:20PM TTH F-407 A.Colls
0346 11:00AM-01:50PM MW B-159 Y.Yamamoto
1590 11:00AM-01:50PM MW F-614 P.Daley
0348 11:00AM-01:50PM TTH B-159 K.Staff
1991 11:00AM-01:50PM TTH F-710 O.Sukhanova
4404 11:00AM-01:50PM TTH F-613 S.Kauffman
2009 06:30PM-09:20PM MW B-171 J.Graboi
1644 06:30PM-09:20PM TTH B-262 S.Lange-Velazquez

ESL-1AG Grammar-ESL Accel Read & Write 3.0
Pass/No Pass only.
Prerequisite: "C" grade or higher or "Pass" in ESL 080 or equivalent placement, or concurrent enrollment in ESL 1A.
S 5066 07:25AM-08:30AM TTH R.Miravete Jan 07-Jun 11
Meets at Mountain Empire High School 3305 Buckman Springs Rd,
1617 08:00AM-09:15AM MW F-405 D.Garrett
0347 09:30AM-10:45AM MW B-159 Y.Yamamoto
1618 09:30AM-10:45AM MW F-614 P.Daley
0349 09:30AM-10:45AM TTH B-159 K.Staff
4407 09:30AM-10:45AM TTH F-613 S.Kauffman
0345 12:30PM-01:45PM TTH F-407 A.Colls
4823 02:00PM-03:15PM TTH F-710 O.Sukhanova
2007 05:00PM-06:15PM MW B-171 J.Graboi
1648 05:00PM-06:15PM TTH B-262 S.Lange-Velazquez

ESL-1B Adv Accel Reading & Writing 6.0
Prerequisite: "C" grade or higher or "Pass" in ESL 100 or 1A or equivalent placement into ESL 103 or 1B.
1613 09:30AM-12:20PM MW F-405 D.Garrett
Student must be concurrently enrolled in ESL 1BG #1744
1616 09:30AM-12:20PM TTH F-407 A.Colls
1615 11:00AM-01:50PM MW B-159 Y.Yamamoto
Student must be concurrently enrolled in ESL 1BG #1633.
4823 11:00AM-01:50PM MW F-613 P.Daley
1614 11:00AM-01:50PM TTH F-613 S.Kauffman
Student must be concurrently enrolled in ESL 1BG #1713.
1990 11:00AM-01:50PM TTH F-710 O.Sukhanova
4821 11:00AM-01:50PM TTH B-159 K.Staff
Student must be concurrently enrolled in ESL 1BG #4825.
2010 06:30PM-09:20PM MW B-171 J.Graboi
1645 06:30PM-09:20PM TTH B-262 S.Lange-Velazquez

ESL-1BG Gramm-Adv ESL Read & Write 3.0
Pass/No Pass only.
Prerequisite: Grade of "Pass" in ESL 096, or equivalent placement, or concurrent enrollment in ESL 1B.
1744 08:00AM-09:15AM MW F-405 D.Garrett
Student must be concurrently enrolled in ESL 1B #1613
1633 09:30AM-10:45AM MW B-159 Y.Yamamoto
Student must be concurrently enrolled in ESL 1B #1613
1634 12:30PM-01:45PM TTH F-407 A.Colls
1618 09:30AM-10:45AM MW F-614 P.Daley
1713 09:30AM-10:45AM TTH F-613 S.Kauffman
Student must be concurrently enrolled in ESL 1B #1614
1634 12:30PM-01:45PM TTH F-407 A.Colls
1634 02:00PM-03:15PM TTH F-710 O.Sukhanova
2008 05:00PM-06:15PM MW B-171 J.Graboi

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(ESL-1BG continued)

1650 05:00PM-06:15PM  TTH  B-262  S.Lange-Velazquez
Student must be concurrently enrolled in ESL 1B #1645.

ESL-2A Accel Composition – ESL 6.0
Prerequisite: "C" grade or higher or "Pass" in ESL 103, "B" grade or higher in ESL 1A, "C" grade or higher in ESL 1B, or equivalent placement into ESL 106 or ESL 2A.
4411 08:00AM-10:50AM  TTH  F-620  B.Pound
Student must be concurrently enrolled in ESL 2AG #4412.
0350 08:00AM-12:20PM  MW  F-407  V.Neylon-Craft
Student must be concurrently enrolled in ESL 2AG #1624.
0339 09:30AM-12:20PM  TTH  B-258  G.Colls
0555 09:30AM-12:20PM  TTH  B-171  L.Woods
Student must be concurrently enrolled in ESL 2AG #1765.
1621 11:00AM-01:50PM  MW  F-613  D.Hills
1755 11:00AM-01:50PM  MW  F-411  G.Tufekci Corte
1753 05:00PM-07:50PM  TTH  B-159  A.Jamal
1747 06:30PM-09:20PM  MW  B-159  M.Mancillas-Gomez
Student must be concurrently enrolled in ESL 2AG #1748.

ESL-2AG Grammar for ESL Accel Comp 3.0
Pass/No Pass only.
Prerequisite: "C" grade or higher or "Pass" in ESL 103 or equivalent, or assessment, or concurrent enrollment in ESL 2A
1624 08:00AM-09:15AM  MW  F-407  H.Masri
Student must be concurrently enrolled in ESL 2A #0336.
0340 08:00AM-09:15AM  TTH  B-258  G.Colls
1756 09:30AM-10:45AM  MW  F-411  G.Tufekci Corte
4412 11:00AM-12:15PM  TTH  F-620  B.Pound
Student must be concurrently enrolled in ESL 2A #4411.
1765 12:30PM-01:45PM  TTH  B-171  L.Woods
Student must be concurrently enrolled in ESL 2A #0555.
1762 02:00PM-03:15PM  MW  F-613  D.Hills
1748 05:00PM-06:15PM  MW  B-159  M.Mancillas-Gomez
Student must be concurrently enrolled in ESL 2A #1747.

ESL-2B Adv Accel Comp - ESL 6.0
Prerequisite: "C" Grade or higher or "Pass" in ESL 2A or equivalent placement into ESL 2B
1628 08:00AM-10:50AM  TTH  F-620  B.Pound
Student must be concurrently enrolled in ESL 2BG #4413.
4856 09:30AM-12:20PM  MW  F-407  V.Neylon-Craft
1654 09:30AM-12:20PM  TTH  B-258  G.Colls
Student must be concurrently enrolled in ESL 2BG #1655.
4828 09:30AM-12:20PM  TTH  B-171  L.Woods
4414 11:00AM-01:50PM  MW  F-411  G.Tufekci Corte
4963 11:00AM-01:50PM  MW  F-613  D.Hills
1629 05:00PM-07:50PM  TTH  B-159  A.Jamal
1630 06:30PM-09:20PM  MW  B-159  M.Mancillas-Gomez
Student must be concurrently enrolled in ESL 2B #1775.

ESL-2BG Gramm - ESL Adv Accel Comp 3.0
Pass/No Pass only.
Prerequisite: "C" grade or higher or "Pass" in ESL 106 or equivalent, or assessment, or concurrent enrollment in ESL 2B
4832 08:00AM-09:15AM  MW  F-407  H.Masri
1655 08:00AM-09:15AM  TTH  B-258  G.Colls
Student must be concurrently enrolled in ESL 2B #1654.
4417 09:30AM-10:45AM  MW  F-411  G.Tufekci Corte
4413 11:00AM-12:15PM  TTH  F-620  B.Pound
Student must be concurrently enrolled in ESL 2B #1628.
4833 12:30PM-01:45PM  TTH  B-171  L.Woods
4965 02:00PM-03:15PM  MW  F-613  D.Hills
1775 05:00PM-06:15PM  MW  B-159  M.Mancillas-Gomez
Student must be concurrently enrolled in ESL 2B #1630.

ESL-010 American Culture I 3.0
Pass/No Pass only.
4444 08:00AM-09:15AM  TTH  F-614  H.Dalali
Please check WebAdvisor at https://wa.gcccd.edu for course changes (added/cancelled sections, room changes, instructor changes, etc.)

ESL-020 American Culture II 3.0
Pass/No Pass only.
4430 12:30PM-01:45PM MW F-401 C.Corte
4440 01:00PM-02:15PM TTH B-154 M.Dalali

ESL-050 Basic Accel Read&Write ESL 6.0
Pass/No Pass only.
Prerequisite: Assessment into ESL 070, 080, or ESL 050.
4428 08:00AM-10:50AM MW F-401 S.Frame-Day
4445 08:00AM-10:50AM TTH F-401 R.Aoneh
4448 09:30AM-12:20PM TTH F-507 R.Oberlander
4431 06:30PM-09:20PM MW B-154 C.Beal

ESL-050G Basic Grammar-ESL Writing 3.0
Pass/No Pass only.
4429 11:00AM-12:15PM MW F-401 S.Frame-Day
4449 12:30PM-01:45PM TTH B-172 R.Elmalt
4432 05:00PM-06:15PM MW B-154 C.Beal

ELECTRONICS TECHNOLOGY

ET-110 Introduction Basic Electronics 4.0
1884 09:00AM-11:50AM M K-101 J.Hannibal
1885 09:00AM-11:50AM W K-101 J.Hannibal
1886 09:00AM-11:50AM T K-101 J.Hannibal
1887 09:00AM-11:50AM TH K-101
8818 01:00PM-03:50PM M K-101 J.Hannibal
8819 01:00PM-03:50PM W K-101 J.Hannibal
5244 01:00PM-03:50PM T K-101 J.Hannibal
5245 01:00PM-03:50PM TH K-101

GRAPHIC DESIGN

GD-105 Fundamentals of Digital Media 3.0
Fundamentals of graphic design technology including Adobe Photoshop, Illustrator, InDesign.
Recommended Preparation: Basic computer and file management skills.
6961 TBA WEB-WEB M.Kotulski
Online course; 87.5 total instructional hours required.
5381 09:30AM-10:20AM MW E-228 S.Fair
10:30AM-11:45AM MW E-228

GD-110 Graphic Design Principles 3.0
Introduction to graphic design principles; introductory portfolio development.
Prerequisite: "C" grade or higher or "Pass" in GD 105 or equivalent or two years verifiable industry experience.
Recommended Preparation: "C" grade or higher or "Pass" in ART 124 or equivalent.
0068 TBA WEB-WEB J.Crowley
Online course; 87.5 instructional hours.

GD-125 Typography 3.0
Recommended Preparation: "C" grade or higher or "Pass" in GD 110 or equivalent.
6651 09:30AM-10:20AM TTH E-228 T.Bugzavich
10:30AM-11:45AM TTH E-228

GD-126 Adobe Photoshop Digital Imag 3.0
Recommended Preparation: "C" grade or higher or "Pass" in GD 105 or equivalent.
0872 09:30AM-10:20AM MW E-224 L.Redwine
10:30AM-11:45AM MW E-224

+ Satisfies Cal. State University General Education
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GD-130 Professional Business Practice 3.0
Recommended Preparation: Student should have a substantial body of completed design or web projects prior to enrollment in this class.
5388 01:00PM-02:15PM MW E-228 L.Redwine

GD-211 Digital Photography II 3.0
Recommended Preparation: "C" grade or higher or "Pass" in GD 210 or equivalent.
5408 08:00AM-09:50AM F E-228 I.Cummings
10:00AM-10:50PM F E-228

GD-212 Digital Photograph III 3.0
Recommended Preparation: "C" grade or higher or "Pass" in GD 211 or equivalent.
4236 08:00AM-09:50AM F E-228 I.Cummings
10:00AM-10:50PM F E-228

GD-222 Web Animation 3.0
Recommended Preparation: "C" grade or higher or "Pass" in CIS 211 or equivalent or basic computer and Internet skills and ability to create and upload a simple website.
4237 TBA WEB-WEB T.Bugzavich
Online course; 87.5 instructional hours.

GD-225 Digital Illustration 3.0
Recommended Preparation: "C" grade or higher or "Pass" in GD 110 or equivalent.
7153 09:30AM-10:20AM TTH E-224 J.Crowley
10:30AM-11:15AM TTH E-224

GD-230 Graphic Design Work Experience
Prerequisite: 12 units in Graphic Design courses related to field in which work experience is sought and current resume highlighting graphic design experience and course-related study.
5410 TBA S.Fair
1 unit=75 hours paid/60 hours unpaid work experience.
5411 TBA S.Fair
2 units=150 hours paid/120 hours unpaid work experience.
5412 TBA S.Fair
3 units=225 hours paid/180 hours unpaid work experience.

GEOGRAPHY

GEOG-120 Physical Geog: Earth Systems 3.0
Study of Earth's dynamic natural systems.
3753 12:30PM-01:45PM TTH F-716 C.Farano

GEOG-121 Physical Geog Earth Sys Lab 1.0
Applications and investigations of Earth's dynamic natural systems.
Prerequisite: "C" grade or higher or "Pass" in GEOG 120 or GEOL 104 or equivalent or concurrent enrollment in either course.
5087 TBA S.Till Jan 07-May 22
52.5 total instructional hours. Class meeting days and times are per the 1-3 and 3-1 Bell schedules Block 1; times to be announced on the class syllabus. Class meets 1 hour and 5 minutes each class meeting. Final will be on 05/22. Contact instructor for enrollment information. Meets at Mater Dei Catholic High School, 1615 Mater Dei Dr., Chula Vista, CA, 91943 in the LaSalle Room 11. Class meets on 2/15. No class 4/15 through 4/26 (Spring Break).
9370 09:30AM-12:20PM T H-224 C.Farano

*Satisfies Cal. State University General Education
# Satisfies Cuyamaca College General Education (includes Graduation Requirement)
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### GEOG-122 Field Studies in Physical Geog 1.0
Recommended Preparation: "C" grade or higher or "Pass" in GEOG 120, GEOL 104, or GEOL 110 or concurrent enrollment

<table>
<thead>
<tr>
<th>CRN</th>
<th>Start Time</th>
<th>End Time</th>
<th>Days</th>
<th>Room</th>
<th>Instructor</th>
<th>Dates</th>
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<tbody>
<tr>
<td>4849</td>
<td>05:30PM-06:20PM</td>
<td>T</td>
<td>H-205</td>
<td>C.Tems</td>
<td>Feb 25-Mar 23</td>
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<tr>
<td>39</td>
<td>06:30PM-07:20PM</td>
<td>T</td>
<td>H-205</td>
<td>C.Tems</td>
<td>Feb 25-Mar 23</td>
<td></td>
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</table>

35 total instructional hours.
2/26: 5:30pm-7:30pm on campus room H-224
3/2: 9-1:00pm, and 1:30-5:00pm field trip, location TBD. Morning and afternoon are one class meeting.
3/5: 5:30pm-7:30pm on campus room H-224
3/9/3/10: 8am-1:00pm, and 1:30-6pm Joshua Tree National Park Field Trip. Morning and afternoon are one class meeting.
3/12/13: 5:30pm-7:30pm on campus, project working session, room H-224. 3/19: 5:30pm-7:30pm on campus, student presentations, room H-224. Students must provide their own personal camping equipment including a tent, sleeping bag and pad, and hiking shoes. Students will be asked to share the cost of group meals.

Also listed as GEOL-122-4849

### GEOLOGY

#### GEOL-110 Planet Earth 3.0
Study of Earth's dynamic geological systems including plate tectonics, volcanoes and earthquakes.

<table>
<thead>
<tr>
<th>CRN</th>
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#### GEOL-111 Planet Earth Laboratory 1.0
Applications and investigations of Earth's dynamic geological systems.
Prerequisite: "C" grade or higher or "Pass" in GEOL 110 or equivalent or concurrent enrollment.

<table>
<thead>
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<td>C.Tems</td>
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### GEOL-122 Field Studies in Physical Geog 1.0
Recommended Preparation: "C" grade or higher or "Pass" in GEOG 120, GEOL 104, or GEOL 110 or concurrent enrollment

<table>
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<tr>
<th>CRN</th>
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<td></td>
<td>06:30PM-07:20PM</td>
<td>T</td>
<td>H-205</td>
<td>C.Tems</td>
<td>Feb 25-Mar 23</td>
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</table>

35 total instructional hours.
2/26: 5:30pm-7:30pm on campus room H-224
3/2: 9-1:00pm, and 1:30-5:00pm field trip, location TBD. Morning and afternoon are one class meeting.
3/5: 5:30pm-7:30pm on campus room H-224
3/9-3/10: 8am-1:00pm, and 1:30-6pm Joshua Tree National Park Field Trip. Morning and afternoon are one class meeting.
3/12/13: 5:30pm-7:30pm on campus, project working session, room H-224. 3/19: 5:30pm-7:30pm on campus, student presentations, room H-224. Students must provide their own personal camping equipment including a tent, sleeping bag and pad, and hiking shoes. Students will be asked to share the cost of group meals.

Also listed as GEOG-122-4849

### HEALTH EDUCATION

#### HED-105 Health Education for Teachers 1.0

<table>
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<tr>
<th>CRN</th>
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<tbody>
<tr>
<td>3756</td>
<td>TBA</td>
<td>WEB-WEB</td>
<td>L.Hollands</td>
<td>Apr 01-May 25</td>
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Online course; 17.5 total instructional hours.

#### HED-120 Personal Health and Lifestyles 3.0

<table>
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<tr>
<td>5135</td>
<td>TBA</td>
<td>WEB-WEB</td>
<td>P.Thiss</td>
<td>Apr 01-May 25</td>
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</tbody>
</table>

Online course; 52.5 total instructional hours.

*ZTC* Zero Textbook Cost section: This course does not require purchase of a textbook and may use free Open Educational Resources (OER) or free textbook alternatives.

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<thead>
<tr>
<th>CRN</th>
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<tr>
<td>4692</td>
<td>TBA</td>
<td>WEB-WEB</td>
<td>S.Herrin</td>
<td>Jan 02-Jan 26</td>
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Online course; 52.5 total instructional hours.

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<tr>
<td>4691</td>
<td>TBA</td>
<td>WEB-WEB</td>
<td>S.Herrin</td>
<td>Jan 28-Mar 23</td>
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</tbody>
</table>

Online course; 52.5 total instructional hours.

+ Satisfies Cal. State University General Education
# Satisfies Cuyamaca College General Education (includes Graduation Requirement)
S Denotes short-term class
*ZTC* "ZTC" Section uses free materials.
Please check WebAdvisor at https://wa.gcccd.edu for course changes (added/cancelled sections, room changes, instructor changes, etc.)

(HED-120 continued)

<table>
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<td>7374</td>
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<td>4758</td>
<td>TBA</td>
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<td>Jan 28-Jun 05</td>
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*ZTC* Xero Textbook Cost section: This course does not require purchase of a textbook and may use free Open Educational Resources (OER) or free textbook alternatives.

**HED-155 Realities of Nutrition** 3.0

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<th>Dates</th>
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<td>D.Fisher Online course</td>
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<td>Jan 28-Jun 05</td>
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</tbody>
</table>

Designed for Health Sciences High & Middle College Students.

Online Course; 52.5 instructional hours. Instructor contact information lucinda.hollands@gcccd.edu.

**HED-158 Nutrition for Fitness & Sports** 3.0

<table>
<thead>
<tr>
<th>CRN</th>
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<th>Dates</th>
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<tr>
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Designed for Health Sciences High & Middle College Students.

Online Course; 52.5 instructional hours. Contact instructor for enrollment information.

**HED-201 Introduction to Public Health** 3.0

<table>
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<th>Dates</th>
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<tr>
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<td>Jan 28-Jun 05</td>
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</table>

Designed for Health Sciences High & Middle College Students.

Online Course; 52.5 instructional hours. Contact instructor for enrollment information.

**HED-202 Health Professions & Org** 3.0

<table>
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<tr>
<th>CRN</th>
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<th>Units</th>
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<th>Dates</th>
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<td>Jan 28-Jun 05</td>
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</table>

Designed for Health Sciences High & Middle College Students.

Online Course; 52.5 instructional hours. Contact instructor for enrollment information.

**HED-203 Substance Abuse/Public Health** 3.0

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type</th>
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<th>Units</th>
<th>Instructor</th>
<th>Dates</th>
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<td>9935</td>
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Designed for Health Sciences High & Middle College Students.

Online Course; 52.5 instructional hours. Contact instructor for enrollment information.

**HED-204 Health Professions & Org** 3.0

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type</th>
<th>Title</th>
<th>Units</th>
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<th>Dates</th>
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<tr>
<td>528</td>
<td>TBA</td>
<td>D.Fisher Online course</td>
<td>52.5</td>
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<td>Jan 28-Jun 05</td>
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</table>

Designed for Health Sciences High & Middle College Students.

Online Course; 52.5 instructional hours. Contact instructor for enrollment information.
Please check WebAdvisor at https://wa.gcccd.edu for course changes (added/cancelled sections, room changes, instructor changes, etc.)

HED-204 Health and Social Justice 3.0
S 1537 TBA WEB=WEB P.Kersey Jan 02-Jan 26
Online course; 52.5 total instructional hours.
S 8800 TBA WEB=WEB D.Fisher Jan 28-Jun 05
Online course; 52.5 total instructional hours. Health Sciences High & Middle College 10th graders. Contact instructor for enrollment information.
S 8191 TBA WEB=WEB P.Kersey Apr 15-May 25
Online course; 52.5 total instructional hours. Please make sure student email address is up to date with Admissions & Records in order to receive course information.

HED-251 Healthy Lifestyle Theory & App 3.0
Focuses on refugee health and preventive medicine issues.
1951 08:00AM-08:50AM MW E-225 L.Hollands
09:00AM-10:15AM MW E-225
Focuses on refugee health and preventive medicine issues.
0481 11:00AM-11:50AM TTH F-621 L.Hollands
12:00PM-01:15PM TTH F-621

HISTORY

HIST-100 Early World History 3.0
Study of ancient societies and cultures from historical beginnings to 1500.
4353 TBA WEB=WEB J.Gonzalez-Meeks
Online course; 52.5 total instructional hours.
4352 08:00AM-09:15AM TTH F-608 J.Gonzalez-Meeks
S 4351 09:00AM-11:50AM MTWTHF B-262 J.Gonzalez-Meeks Jan 02-Jan 26
S 4350 09:30AM-12:35PM TTH K-122 D.Salomon Apr 01-May 25

HIST-101 Modern World History 3.0
4555 TBA WEB=WEB P.Utgaard
Online course; 52.5 total instructional hours.
4354 11:00AM-12:15PM TTH B-101 P.Utgaard

HIST-106 Modern Western Civilization 3.0
4356 TBA WEB=WEB P.Utgaard

HIST-108 Early American History 3.0
Exploration of early U.S. history from settlement through the Civil War.
6717 TBA WEB=WEB S.Haber
Online course; 52.5 total instructional hours.
4915 TBA WEB=WEB G.Stam
Online course; 52.5 total instructional hours.
S 4686 09:00AM-11:50AM MTWTHF B-172 A.Tesfamariam Jan 02-Jan 26
5431 11:00AM-12:15PM MW F-513 D.Salomon
0304 12:30PM-01:45PM TTH E-229 G.Stam

HIST-109 Modern American History 3.0
Survey of development of the U.S. from Reconstruction to the present.
5439 TBA WEB=WEB S.Haber
Online course; 52.5 total instructional hours.
6470 TBA WEB=WEB A.Tesfamariam
Online course; 52.5 total instructional hours.
8862 TBA WEB=WEB M.Gonzalez-Meeks
Online course; 52.5 total instructional hours. For more information contact m.gonzalez.meeks@gcccd.edu.
S 4687 09:00AM-11:50AM MTWTHF B-101 P.Utgaard Jan 02-Jan 26
5435 09:30AM-10:45AM MW E-227 J.Jones
5434 09:30AM-10:45AM TTH B-101 P.Utgaard

HIST-118 Chicano/Chicana Perspectives I 3.0
4357 09:30AM-12:20PM W F-608 M.Gonzalez-Meeks

HIST-123 Women in Modern American Hist 3.0
4359 08:00AM-09:15AM MW F-513 M.Gonzalez-Meeks

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HIST-133 Kumeyaay Hist II:1900-Present 3.0  
0410  05:00PM-07:50PM  TH  TBA  E.Banegas  
Meets at Kumeyaay Community College, 910 Willow Glen Drive, El Cajon, CA 92019, Room-MPR. For information, please contact Lori Ring at 619-445-6917

HIST-181 U.S. Hist Black Perspective II 3.0  
4360  06:00PM-08:50PM  T  F-514  A.Tesfamariam

HUMANITIES

HUM-110 Principles of the Humanities 3.0  
4311  TBA  WEB-WEB  E.Cline  
Online course, 52.5 total instructional hours.  
4310  09:30AM-10:45AM  TTH  F-710  T.Carmona  
4312  11:00AM-12:15PM  MW  F-710  E.Cline

HUM-155 World Mythology - Humanities 3.0  
5454  TBA  WEB-WEB  B.McGraw  
Online course; 52.5 total instructional hours. See www.cuyamaca.edu/bruce.mcgraw after 1/15.  
5453  12:30PM-01:45PM  MW  F-710  E.Sampson

MATHEMATICS

MATH-010 Just-In-Time Support-Int Alg 3.0  
Pass/No Pass only.  
Prerequisite: Appropriate placement.  
Corequisite: Concurrent enrollment in MATH 110 at Cuyamaca College.  
9953  07:30AM-09:45AM  T  H-128  F.Watson  
08:30AM-09:45AM  TH  H-128  
Must also be enrolled in MATH 110 #9955. See https://tinyurl.com/y8htfmkk for an easy to read math schedule.  
9936  01:00PM-02:20PM  M  H-139  F.Eckert  
11:00AM-12:10PM  F  H-139  
Must also be enrolled in MATH 110 #9937. See https://tinyurl.com/y8htfmkk for an easy to read math schedule.  
9946  07:00AM-09:15PM  T  H-113  K.Belden-Hillery  
08:00PM-09:15PM  TH  H-113  
Must also be enrolled in MATH 110 #9948. See https://tinyurl.com/y8htfmkk for an easy to read math schedule.

MATH-060 Just-In-Time Support-Elm Stat 2.0  
Pass/No Pass only.  
Prerequisite: Appropriate placement.  
Corequisite: Concurrent enrollment in MATH 160 at Cuyamaca College.  
9971  08:00AM-08:50AM  MW  H-118  S.Ruderman  
Must also be enrolled in MATH 160 #9972. See https://tinyurl.com/y8htfmkk for an easy to read math schedule.  
9979  08:00AM-08:50AM  TTH  H-118  M.Touchet  
Must also be enrolled in MATH 160 #9980. See https://tinyurl.com/y8htfmkk for an easy to read math schedule.  
9986  09:30AM-10:40AM  TTH  H-133  H.Nguyen  
Must also be enrolled in MATH 160 #9986. See https://tinyurl.com/y8htfmkk for an easy to read math schedule.  
4292  11:00AM-12:10PM  MW  H-118  D.Curtis  
Must also be enrolled in MATH 160 #4293. See https://tinyurl.com/y8htfmkk for an easy to read math schedule.  
9981  11:00AM-12:10PM  TTH  H-118  T.Nichols  
Must also be enrolled in MATH 160 #9982. See https://tinyurl.com/y8htfmkk for an easy to read math schedule.  
9965  12:30PM-01:20PM  MW  H-127  S.Condon  
Must also be enrolled in MATH 160 #9966. See https://tinyurl.com/y8htfmkk for an easy to read math schedule.
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<td>9983</td>
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<td>TTH</td>
<td>H-118</td>
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<td>Must also be enrolled in MATH 160 #9984.</td>
<td>See <a href="https://tinyurl.com/y8htfmmk">https://tinyurl.com/y8htfmmk</a> for an easy to read math schedule. This class will focus on data and statistics within the context of the Black/African American culture. This course is part of the Umoja Scholars Program. Please contact <a href="mailto:camille.jack@gcccd.edu">camille.jack@gcccd.edu</a> to add the course and for further information regarding the program.</td>
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<tr>
<td>9963</td>
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<td>MW</td>
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<td>See <a href="https://tinyurl.com/y8htfmmk">https://tinyurl.com/y8htfmmk</a> for an easy to read math schedule.</td>
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**MATH-076 Intermediate Algebra-MATH 176 2.0**

Pass/No Pass only.
Prerequisite: Appropriate placement.
Corequisite: Concurrent enrollment in MATH 176 at Cuyamaca College.
9989 | 08:00AM-08:50AM | MW | H-113 | B.Elliott |
| Must also be enrolled in MATH 176 #9990. See https://tinyurl.com/y8htfmmk for an easy to read math schedule. | |

**MATH-078 Intermediate Algebra-MATH 178 2.0**

Pass/No Pass only.
Prerequisite: Appropriate placement.
Corequisite: Concurrent enrollment in MATH 178 at Cuyamaca College.
9993 | 06:00PM-06:50PM | TTH | H-139 | C.Navo |
| Must also be enrolled in MATH 178 #9994. See https://tinyurl.com/y8htfmmk for an easy to read math schedule. | |

**MATH-096 Preparation - Elem Statistics 6.0**

Pass/No Pass only.
An accelerated one-course pathway to transfer-level Statistics (Math 160). This is a new approach designed specifically for students who do NOT intend to major in math, science, engineering or business.
9995 | 09:30AM-12:20PM | TTH | H-114 | V.Hergul |
9996 | 06:00PM-08:50PM | MW | H-134 | R.Polakoski |

**MATH-110 Int Algebra Bus,Math,Sci,Engr 5.0**

Prerequisite: Grade of "Pass" in MATH 090 or equivalent.
9955 | 07:30AM-09:20AM | MW | H-128 | F.Watson |
9956 | 07:30AM-08:20AM | TH | H-128 | |
| Must also be enrolled in MATH 010 #9953. See https://tinyurl.com/y8htfmmk for an easy to read math schedule. | |
| 1551 | 09:00AM-11:45AM | MW | H-127 | M.Balegh |
| Must also be enrolled in MATH 010 #9953. See https://tinyurl.com/y8htfmmk for an easy to read math schedule. | |
| 9937 | 11:00AM-12:50PM | M | H-139 | F.Eckert |
| 11:00AM-01:50PM | W | H-139 | |
| Must also be enrolled in MATH 010 #9936. See https://tinyurl.com/y8htfmmk for an easy to read math schedule. | |
| 1208 | 12:30PM-02:45PM | TTH | H-127 | F.Eckert |
| 9948 | 05:00PM-06:50PM | T | H-113 | K.Belden-Hillery |
| 05:00PM-07:50PM | TH | H-113 | |
| Must also be enrolled in MATH 010 #9946. See https://tinyurl.com/y8htfmmk for an easy to read math schedule. | |
| 5486 | 06:00PM-08:15PM | MW | H-138 | M.Balegh |

**MATH-126 Structure/Concept Elem Math II 3.0**

Continuation of MATH 125 for prospective elementary school teachers. Prerequisite: "C" grade or higher or "Pass" in MATH 125 or equivalent.
4843 | 06:30PM-07:20PM | T | H-133 | R.Perkins |
4970 | 07:30PM-08:20PM | T | H-133 | |
4981 | 06:30PM-08:20PM | TH | H-133 | |

Satisfies Cal. State University General Education
# Satisfies Cuyamaca College General Education (includes Graduation Requirement)
S Denotes short-term class
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MATH-160 Elementary Statistics  4.0
Prerequisite: "C" grade or higher or "Pass" in MATH 096 or 103 or 110 or equivalent.

S  1542 TBA WEB-WEB  B.Elliott  Jan 28-Mar 23
Mandatory online orientation is required. Access the orientation
At www.cuyamaca.edu/people/Bryan-elliott/online-orientation/default.aspx. Canvas is not being used as a course management system,
registration in MyStatLab CMS is required. Final exam on campus
or by other arrangement, please read through the currently
posted orientation BEFORE enrolling. Mandatory orientation must
be completed no later than 11:59 pm on first day of class (or
within 24 hours if you add after first day of class). Please
update your email through WebAdvisor.

S  5468 TBA WEB-WEB  B.Elliott  Jan 28-Mar 23
Mandatory online orientation is required. Access the orientation
At www.cuyamaca.edu/people/Bryan-elliott/online-orientation/default.aspx. Canvas is not being used as a course management system,
registration in MyStatLab CMS is required. Final exam on campus
or by other arrangement, please read through the currently
posted orientation BEFORE enrolling. Mandatory orientation must
be completed no later than 11:59 pm on first day of class (or
within 24 hours if you add after first day of class). Please
update your email through WebAdvisor.

S  5478 TBA WEB-WEB  T.Nichols  Feb 25-May 25
Online course; 70 total instructional hours. Before enrolling in
this course, please complete the online orientation at
www.cuyamaca.edu/people/terrie-nichols/online-orientation.aspx.
All items in the mandatory online orientation must be completed
no later than 11:59 pm (Pacific Standard Time) on the first day
of classes (or within 24 hours after adding the class late). The
course syllabus is included in the orientation and provides
details on the face-to-face exam requirements (either on campus
or another arrangement pre-approved by the instructor).

S  8252 TBA WEB-WEB  B.Elliott  Apr 01-May 25
Mandatory online orientation is required. Access the orientation
At www.cuyamaca.edu/people/Bryan-elliott/online-orientation/default.aspx. Canvas is not being used as a course management system,
registration in MyStatLab CMS is required. Final exam on campus
or by other arrangement, please read through the currently
posted orientation BEFORE enrolling. Mandatory orientation must
be completed no later than 11:59 pm on first day of class (or
within 24 hours if you add after first day of class). Please
update your email through WebAdvisor.

S  4845 TBA WEB-WEB  N.Noble  Apr 01-May 25
Online course; 70 total instructional hours. Registration in
MyStatLab course management system required. Mandatory final
exam on campus, 5/24, open 9-3pm, in room H-114 or by other
arrangement.

9972  09:00AM-10:50AM  MW  H-118  S.Ruderman
Must also be enrolled in MATH 060 #9972. See
https://tinyurl.com/y8htfmkk for an easy to read math schedule.

4296  09:00AM-10:50AM  MW  H-139  F.Kaiser
9980  09:00AM-10:50AM  TTH  H-118  M.Touchet
Must also be enrolled in MATH 060 #9980. See
https://tinyurl.com/y8htfmkk for an easy to read math schedule.

9986  10:30AM-12:20PM  TTH  H-133  N.Nguyen
Must also be enrolled in MATH 060 #9986. See
https://tinyurl.com/y8htfmkk for an easy to read math schedule.

1158  11:00AM-12:50PM  MW  H-133  S.Ruderman
4297  11:00AM-12:50PM  TTH  H-139  A.Arroyo
4293  12:00PM-01:50PM  MW  H-118  D.Curtis
Must also be enrolled in MATH 060 #4292. See
https://tinyurl.com/y8htfmkk for an easy to read math schedule.

9982  12:00PM-01:50PM  TTH  H-118  T.Nichols
Must also be enrolled in MATH 060 #9982. See
https://tinyurl.com/y8htfmkk for an easy to read math schedule.

5504  12:30PM-02:20PM  TTH  H-128  R.Polakoski
9966  01:30PM-03:20PM  MW  H-127  S.Condon
Must also be enrolled in MATH 060 #9966. See
https://tinyurl.com/y8htfmkk for an easy to read math schedule.
Please check WebAdvisor at https://wa.gcccd.edu for course changes (added/cancelled sections, room changes, instructor changes, etc.)

(MATH-160 continued)

9984 03:00PM-04:50PM TTH H-118 A.Arroyo
Must also be enrolled in MATH 060 #9983. See https://tinyurl.com/y8htfmkk for an easy to read math schedule.

(MATH-170 continued)

9660 06:00PM-07:50PM TTH H-127 M.Touchet
9984 07:00PM-08:50PM MW H-113 S.Rodriguez
Must also be enrolled in MATH 060 #9963. See https://tinyurl.com/y8htfmkk for an easy to read math schedule.

(MATH-175 College Algebra 4.0
Prerequisite: "C" grade or higher or "Pass" in MATH 110 or equivalent (MATH 103 does not meet the prerequisite).
S 0499 08:05AM-12:30PM F HSHM-HSHM M.Ahsan Jan 28-Jun 05
Meets at Health Sciences High & Middle College, 3910 University Ave, San Diego, CA 92105 room 200B. Contact instructor for enrollment information.
9373 12:30PM-02:20PM TTH H-134 C.Koether

(MATH-176 Precalculus-Functions & Graphs 6.0
Prerequisite: "C" grade or higher or "Pass" in MATH 110 or equivalent (MATH 103 does not meet the prerequisite).
S 9975 08:00AM-10:50AM MW H-134 C.Koether
9990 09:00AM-11:50AM MW H-113 B.Elliott
Must also be enrolled in MATH 076 #9989. See https://tinyurl.com/y8htfmkk for an easy to read math schedule.
1543 09:30AM-12:20PM TTH H-127 P.Eckert
8253 12:30PM-03:20PM TTH H-138 A.Krauss

(MATH-178 Calculus Bus, Soc & Behav Sci 4.0
Prerequisite: "C" grade or higher or "Pass" in MATH 110 or equivalent (MATH 103 does not meet the prerequisite).
S 9377 08:00AM-09:50AM TTH H-113 G.Creswell
9378 04:00PM-05:50PM MW H-113 G.Creswell
9994 07:00PM-08:50PM TTH H-139 C.Navo
Must also be enrolled in MATH 078 #9993. See https://tinyurl.com/y8htfmkk for an easy to read math schedule.

(MATH-180 Analytic Geometry & Calculus I 5.0
Prerequisite: "C" grade or higher or "Pass" in MATH 170 and 175, or MATH 176 or equivalent.
S 9379 10:00AM-12:15PM MW H-128 S.Rodriguez
9381 10:00AM-12:15PM TTH H-128 L.Raffo
S 0001 12:30PM-02:40PM TTH HSHM-HSHM A.Nguyen Jan 28-Jun 05
Meets at Health Sciences High & Middle College, 3910 University Ave, San Diego, CA 92105 room 200B. Contact instructor for enrollment information.
S 0545 02:00PM-04:15PM MWF H-133 C.Navo Jan 28-Apr 06
9380 02:30PM-04:45PM TTH H-134 L.Raffo
1544 06:00PM-08:15PM MW H-127 V.Phung

(MATH-245 Discrete Mathematics 3.0
Prerequisite: "C" grade or higher or "Pass" in MATH 280 or equivalent.
9382 09:30AM-10:45AM TTH H-139 D.Curtis

(MATH-280 Analytic Geometry & Calculus II 4.0
Prerequisite: "C" grade or higher or "Pass" in MATH 180 or equivalent.
8211 10:00AM-11:50AM MW H-138 S.Condon
9383 10:00AM-11:50AM TTH H-138 S.Sikder
S 4298 02:30PM-04:45PM MTWTH H-133 C.Navo Apr 08-May 25
1545 06:00PM-07:50PM MW H-114 T.Nichols

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Satisfies Cal. State University General Education
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**MATH-281 Multivariable Calculus 4.0**
Prerequisite: "C" grade or higher or "Pass" in MATH 280 or equivalent.
9385 10:00AM-11:50AM  MW  H-114  L.Raffo
8209 10:00AM-11:50AM  TTH  H-113  S.Youssef

**MATH-284 Linear Algebra 3.0**
Prerequisite: "C" grade or higher or "Pass" in MATH 280 or equivalent.
9386 12:30PM-01:45PM  TTH  H-114  D.Curtis
0497 03:00PM-04:15PM  MW  H-118  R.Polakoski

**MATH-285 Differential Equations 3.0**
Prerequisite: "C" grade or higher or "Pass" in MATH 280 or equivalent.
8254 08:00AM-09:15AM  TTH  H-138  A.Schraff
7030 12:30PM-01:45PM  MW  H-114  L.Raffo

**MUSIC**

**MUS-090 Prep Performance Studies I 0.5**
Pass/No Pass Only.
6289 10:00AM-10:50AM  F  B-312  A.Warren
Plus 11 hours of rehearsals and public performances to be arranged with the instructor during the semester. For enrollment, audition information email james.sepulvado@gcccd.edu.

**MUS-091 Prep Performance Studies II 0.5**
Pass/No Pass Only.
6291 10:00AM-10:50AM  F  B-312  A.Warren
Plus 11 hours of rehearsals and public performances to be arranged with the instructor during the semester. For enrollment, audition information email james.sepulvado@gcccd.edu.

**MUS-105 Music Theory and Practice I 4.0**
4327 03:30PM-06:35PM  TH  B-312  J.Sepulvado
Additional 2 hour and 45 minutes instructional time/week via Internet.

**MUS-108 Rock, Pop and Soul Ensemble 1.0**
Prerequisite: Audition
9045 06:00PM-07:35PM  M  B-209  D.Bigham
07:45PM-09:15PM  M  B-209
Plus 32 hours of rehearsals and public performances to be arranged with the instructor during the semester. For enrollment, audition information contact david.bigham@gcccd.edu.

**MUS-109 Rock, Pop and Soul Ensemble 1.0**
Prerequisite: Audition
9046 06:00PM-07:35PM  M  B-209  D.Bigham
07:45PM-09:15PM  M  B-209
Plus 32 hours of rehearsals and public performances to be arranged with the instructor during the semester. For enrollment, audition information contact david.bigham@gcccd.edu.

**MUS-110 Great Music Listening 3.0**
S 4328 TBA  WEB-WEB  H.Vorwerck  Jan 28-Mar 23
Online course; 52.5 total instructional hours.
4330 TBA  WEB-WEB  H.Vorwerck  Online course; 52.5 total instructional hours.
S 4333 TBA  WEB-WEB  H.Vorwerck  Apr 01-May 25
Online course; 52.5 total instructional hours.
4332 09:30AM-10:45AM  MW  B-301  J.Sepulvado
4331 11:00AM-12:15PM  TTH  B-301  J.Sepulvado

**MUS-111 History of Jazz 3.0**
S 0841 TBA  WEB-WEB  S.Walton  Jan 28-Mar 23
Online course; 52.5 total instructional hours. See www.cuyamaca.edu/scott.walton for orientation. Assignments are due at end of first week.

+ Satisfies Cal. State University General Education
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(MUS-111 continued)

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<tr>
<td>1745</td>
<td>TBA</td>
<td>WEB-WEB</td>
<td>S.Walton</td>
<td>Apr 01-May 25</td>
</tr>
<tr>
<td>9924</td>
<td>12:30PM-01:45PM</td>
<td>WEB-WEB</td>
<td>T.B-101</td>
<td>R.Bodis-Parker</td>
</tr>
</tbody>
</table>

Course: History of Rock Music (3.0 credits)
- Online course; 52.5 total instructional hours. Contact the instructor for enrollment information at david.bigham@gcccd.edu.
- Prerequisite: "C" grade or higher in MUS 132 or equivalent.

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<th>CRN</th>
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<tr>
<td>4337</td>
<td>TBA</td>
<td>WEB-WEB</td>
<td>D.Bigham</td>
<td>Jan 28-Mar 23</td>
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<tr>
<td>4334</td>
<td>08:00AM-10:35AM</td>
<td>WEB-WEB</td>
<td>T.Smith</td>
<td>Jan 28-Jun 05</td>
</tr>
</tbody>
</table>

Meets at Health Sciences High & Middle College, 3910 University Ave, San Diego, CA 92105 room 301. Contact instructor for enrollment information.

Course: Introduction to World Music (3.0 credits)
- Online course; 52.5 total instructional hours.

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<th>CRN</th>
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<th>Instructor</th>
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<tr>
<td>6961</td>
<td>TBA</td>
<td>WEB-WEB</td>
<td>A.Hacker</td>
<td>Jan 28-Mar 23</td>
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<td>0412</td>
<td>TBA</td>
<td>WEB-WEB</td>
<td>A.Hacker</td>
<td>Apr 01-May 25</td>
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Satisfies Cal. State University General Education

Course: Class Piano I (3.0 credits)
- Prerequisite: "C" grade or higher in MUS 132 or equivalent.

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<td>4340</td>
<td>01:00PM-02:15PM</td>
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<tr>
<td>4341</td>
<td>02:30PM-03:45PM</td>
<td>MW</td>
<td>B-209</td>
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Course: Class Piano II (3.0 credits)
- Prerequisite: "C" grade or higher in MUS 132 or equivalent.

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<tr>
<td>4344</td>
<td>06:30PM-07:55PM</td>
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<td>B-117</td>
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<tr>
<td>4345</td>
<td>06:30PM-07:55PM</td>
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<td>B-117</td>
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</tbody>
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Satisfies Cuyamaca College General Education (includes Graduation Requirement)

Course: Concert Band (1.0 credit)
- Prerequisite: Audition
- Prerequisite: Audition

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<th>CRN</th>
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<tr>
<td>4345</td>
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<td>B-117</td>
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**MUS-158  Chorus  1.0**
Prerequisite: Audition
6539  05:30PM-06:55PM  W  B-120  P.May
07:05PM-08:30PM  W  B-120  P.May

Plus 32 hours of rehearsals and public performances to be arranged with the instructor during the semester. For enrollment, audition information email paul.may@gcccd.edu.

**MUS-159  Chorus  1.0**
Prerequisite: Audition
6584  05:30PM-06:55PM  W  B-120  P.May
07:05PM-08:30PM  W  B-120  P.May

Plus 32 hours of rehearsals and public performances to be arranged with the instructor during the semester. For enrollment, audition information email paul.may@gcccd.edu.

**MUS-190  Performance Studies  0.5**
Prerequisite: Audition.
6072  10:00AM-10:50AM  F  B-312  A.Warren

Plus 11 hours of rehearsals and public performances to be arranged with the instructor during the semester. For enrollment, audition information email james.sepulvado@gcccd.edu.

**MUS-191  Performance Studies  0.5**
Prerequisite: Audition.
6073  10:00AM-10:50AM  F  B-312  A.Warren

Plus 11 hours of rehearsals and public performances to be arranged with the instructor during the semester. For enrollment, audition information email james.sepulvado@gcccd.edu.

**MUS-208  Rock, Pop and Soul Ensemble  1.0**
Prerequisite: Audition
9914  06:00PM-07:35PM  M  B-209  D.Bigham
07:45PM-09:15PM  M  B-209

Plus 32 hours of rehearsals and public performances to be arranged with the instructor during the semester. For enrollment, audition information email david.bigham@gcccd.edu.

**MUS-209  Rock, Pop and Soul Ensemble  1.0**
Prerequisite: Audition
9915  06:00PM-07:35PM  M  B-209  D.Bigham
07:45PM-09:15PM  M  B-209

Plus 32 hours of rehearsals and public performances to be arranged with the instructor during the semester. For enrollment, audition information email david.bigham@gcccd.edu.

**MUS-221  Music Industry Seminar  1.0**
9916  01:00PM-02:35PM  F  B-312  T.Smith

Plus 24 hours of rehearsals, public performances and events to be arranged with the instructor during the semester.

**MUS-222  Music Industry Seminar  1.0**
9919  01:00PM-02:35PM  F  B-312  T.Smith

Plus 24 hours of rehearsals, public performances and events to be arranged with the instructor during the semester.

**MUS-232  Class Piano III  3.0**
Prerequisite: "C" grade or higher or "Pass" in MUS 133 or equivalent.
4342  02:30PM-03:45PM  MW  B-209  M.Nelson

**MUS-233  Class Piano IV  3.0**
Prerequisite: "C" grade or higher or "Pass" in MUS 232 or equivalent.
4343  02:30PM-03:45PM  MW  B-209  M.Nelson
Please check WebAdvisor at https://wa.gcccd.edu for course changes (added/cancelled sections, room changes, instructor changes, etc.)

MUS-252 Concert Band 1.0
Prerequisite: Audition
4346 06:30PM-07:55PM T B-117 J.Sepulvado
08:05PM-09:30PM T B-117
Plus 32 hours of rehearsals and public performances to be arranged with the instructor during the semester. Audition required: email instructor for audition information. Class meets in the Performing Arts Theatre, B-117. On 1/29 and 2/19 class will meet in room B-301.

MUS-253 Concert Band 1.0
Prerequisite: Audition
4347 06:30PM-07:55PM T B-117 J.Sepulvado
08:05PM-09:30PM T B-117
Plus 32 hours of rehearsals and public performances to be arranged with the instructor during the semester. Audition required: email instructor for audition information. Class meets in the Performing Arts Theatre, B-117. On 1/29 and 2/19 class will meet in room B-301.

MUS-258 Chorus 1.0
Prerequisite: Audition
6587 05:30PM-06:55PM W B-120 P.May
07:05PM-08:30PM W B-120
Plus 32 hours of rehearsals and public performances to be arranged with the instructor during the semester. For enrollment, audition information email paul.may@gcccd.edu.

MUS-259 Chorus 1.0
Prerequisite: Audition
6588 05:50PM-06:55PM W B-120 P.May
07:05PM-08:30PM W B-120
Plus 32 hours of rehearsals and public performances to be arranged with the instructor during the semester. For enrollment, audition information email paul.may@gcccd.edu.

MUS-290 Performance Studies 0.5
Prerequisite: Audition
6074 10:00AM-10:50AM F B-312 A.Warren
Plus 11 hours of rehearsals and public performances to be arranged with the instructor during the semester. For enrollment, audition information email james.sepulvado@gcccd.edu.

MUS-291 Performance Studies 0.5
Prerequisite: Audition
6075 10:00AM-10:50AM F B-312 A.Warren
Plus 11 hours of rehearsals and public performances to be arranged with the instructor during the semester. For enrollment, audition information email james.sepulvado@gcccd.edu.

NATIVE AMERICAN LANGUAGES

+### NAKY-120 Kumeyaay I 4.0
0442 05:00PM-08:50PM M SYCN-SYCN S.Rodriguez
Meets at Kumeyaay Community College, 910 Willow Glen Drive, El Cajon, CA 92019, Room-MPR. For information, please contact Lori Ring at 619-445-6917

+### NAKY-121 Kumeyaay II 4.0
Prerequisite: "C" grade or higher or "Pass" in NAKY 120 or equivalent.
4868 05:00PM-08:50PM W TBA S.Rodriguez
Meets at Campo Education Center, 36209 Church Road, Campo CA 91906. For information, please contact Lori Ring at 619-445-6917.

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OCEANOGRAPHY

+## OCEA-112 Introduction to Oceanography 3.0
Study of Earth's dynamic ocean environment.
3760 11:00AM-12:15PM MW H-224 C.Tems
3758 12:30PM-01:45PM MW H-224 C.Tems

+## OCEA-113 Oceanography Laboratory 1.0
Applications and investigations of Earth's dynamic ocean environment.
Prerequisite: "C" grade or higher or "Pass" in OCEA 112 or equivalent or concurrent enrollment.
9387 02:30PM-05:20PM W H-224 C.Tems

ORNAMENTAL HORTICULTURE

OH-105 Edibles in Urban Landscapes 1.5
S 8906 05:00PM-08:05PM T H-128 B.Kotnik Apr 01-May 25

OH-105A Edibles - Urban Landscapes Appn 1.5
Prerequisite: Student is a registered State indentured apprentice.
S 0549 05:00PM-08:05PM T H-128 B.Kotnik Apr 01-May 25
This course is part of a state approved apprenticeship and is open to students accepted into the apprenticeship program.
Contact Charlene Alsbaugh at charlene.alsbaugh@gcccd.edu for more information.

OH-114 Floral Design I 3.0
Theory/practice of basic and contemporary floral designs and business practices. $150 fresh flower fee allows students to keep their floral arrangements; payment plan available when registering.
4244 04:00PM-05:50PM T B-373 D.Citrowske
06:00PM-08:50PM T B-373

OH-117 Wedding Design I 3.0
Theory/practice of basic and contemporary wedding designs, bouquets, corsages and business practices. $200 fresh flower fee allows students to keep their arrangements (due at registration).
Prerequisite: "C" grade or higher or "Pass" in OH 114 or equivalent.
4813 04:00PM-05:50PM M B-373 D.Citrowske
06:00PM-09:05PM M B-373

OH-120 Fundamentals Ornamental Hort 3.0
Plant structure, soils, fertilizers, basic horticultural practices.
9307 10:00AM-11:50AM T L-103 L.Rottke
12:00PM-02:50PM T L-103

OH-120A Fundamentals OH - Apprentice 3.0
Prerequisite: Student is a registered State indentured apprentice.
1979 10:00AM-11:50AM T L-103 L.Rottke
12:00PM-02:50PM T L-103
This course is part of a state approved apprenticeship and is open to students accepted into the apprenticeship program.
Contact Charlene Alsbaugh at charlene.alsbaugh@gcccd.edu for more information.

OH-121 Plant Propagation 3.0
4243 05:00PM-07:05PM M K-122 A.Ruie
08:00AM-12:00PM S F-607
12:30PM-03:45PM S F-607
Morning and afternoon are one class meeting.
Please check WebAdvisor at https://wa.gcccd.edu for course changes (added/cancelled sections, room changes, instructor changes, etc.)

OH-130 Plant Pest Control 3.0
4248 05:00PM-07:05PM  M  F-607  L.Rottke
08:00AM-12:00PM  S  F-607
12:30PM-03:45PM  S  F-607
Saturday class meetings 2/9, 3/2, 3/16, 4/6, 4/20, 5/4, 5/18.
Morning and afternoon are one class meeting.

OH-130A Plant Pest Ctrl - Apprentices 3.0
Prerequisite: Student is a registered State indentured apprentice.
4590 05:00PM-07:05PM  M  F-607  L.Rottke
08:00AM-12:00PM  S  F-607
12:30PM-03:45PM  S  F-607
Saturday class meetings 2/9, 3/2, 3/16, 4/6, 4/20, 5/4, 5/18.
Morning and afternoon are one class meeting. This course is part of a state approved apprenticeship and is open to students accepted into the apprenticeship program. Contact Charlene Alsbaugh at charlene.alsbaugh@gcccd.edu for more information.

OH-140 Soils 3.0
1952 05:00PM-06:50PM  TH  F-607  R.Davis
08:00AM-12:00PM  S  F-507
12:30PM-03:45PM  S  F-507
Saturday class meetings 2/9, 3/2, 3/16, 4/6, 4/20, 5/4, 5/18.
Morning and afternoon are one class meeting.

OH-140A Soils for Apprentices 3.0
Prerequisite: Student is a registered State indentured apprentice.
4929 05:00PM-06:50PM  TH  F-607  R.Davis
08:00AM-12:00PM  S  F-507
12:30PM-03:45PM  S  F-507
Saturday class meetings 2/9, 3/2, 3/16, 4/6, 4/20, 5/4, 5/18.
Morning and afternoon are one class meeting. This course is part of a state approved apprenticeship and is open to students accepted into the apprenticeship program. Contact Charlene Alsbaugh at charlene.alsbaugh@gcccd.edu for more information.

OH-170 Plant Materials: Trees, Shrubs 3.0
Identification, cultural characteristics of 125 landscape trees and shrubs.
1964 04:00PM-06:50PM  TH  H-128  T.Faulstich

OH-172 Intro to Landscape Design 3.0
Principles of residential landscape design for usable, pleasant outdoor spaces. Recommended Preparation: "C" grade or higher or "Pass" in OH 171 or equivalent
1600 04:00PM-05:50PM  T  F-607  S.Holladay
06:00PM-08:00PM  T  F-607

OH-173 Intermediate Landscape Design 3.0
Advanced site analysis/use relationships for estate and residential designs. Prerequisite: "C" grade or higher or "Pass" in OH 172 or equivalent.
4251 04:00PM-05:50PM  W  F-607  A.Wilson
06:00PM-08:00PM  W  F-607

OH-174 Turf & Ground Cover Management 3.0
Care, identification, pests of common and special turf, ground covers.
4928 05:00PM-06:50PM  T  F-405  C.Erickson
08:00AM-12:00PM  S  F-405
12:30PM-03:45PM  S  F-405
Morning and afternoon are one class meeting.
OH-180 Annuals and Perennials 3.0
Identification, cultural requirements, landscape value of common annuals/perennials used as bedding plants, annual color, or in the commercial floral industry.
5567 04:00PM-06:50PM  W  F-401  L.Rottke

OH-220 Landscp Const:Concrete,Masonry 3.0
Construction methods and materials including stone and stamped concrete.
4252 07:00PM-08:50PM  W  F-401  D.Ratynski
08:00AM-12:00PM  S  F-401
12:30PM-03:45PM  S  F-401
Saturday class meetings 2/9, 3/2, 3/16, 4/6, 4/20, 5/4, 5/18.
Morning and afternoon are one class meeting.

OH-235 Landscape Irrigation 4.0
Irrigation hydraulics and system components necessary for irrigation design.
4652 05:00PM-08:50PM  W  F-405  T.Groot

OH-235A Landscape Irrig-Apprentices 4.0
Prerequisite: Student is a registered State indentured apprentice.
1904 05:00PM-08:50PM  W  F-405  T.Groot
This course is part of a state approved apprenticeship and is open to students accepted into the apprenticeship program.
Contact Charlene Alsbaugh at charlene.alsbaugh@gcccd.edu for more information.

OH-250 Landscape Water Management 2.0
Water management principles and practices for urban landscapes.
4250 04:00PM-04:50PM  TH  F-407  G.Michael
05:00PM-07:50PM  TH  F-407

OH-290 Cooperative Work Experience
Work experience in local horticulture industry for OH majors.
5577 TBA  F-401  T.Faulstich
Required orientation Fri. 1/25, 5pm in F-401; second orientation TBA. 1 unit=75 hours paid/60 hours unpaid work experience.
5578 TBA  F-401  T.Faulstich
Required orientation Fri. 1/25, 5pm in F-401; second orientation TBA. 2 units=150 hours paid/120 hours unpaid work experience.
5579 TBA  F-401  T.Faulstich
Required orientation Fri. 1/25, 5pm in F-401; second orientation TBA. 3 units=225 hours paid/180 hours unpaid work experience.
5580 TBA  F-401  T.Faulstich
Required orientation Fri. 1/25, 5pm in F-401; second orientation TBA. 4 units=300 hours paid/240 hours unpaid work experience.

PARALEGAL STUDIES

PARA-100 Intro to Paralegal Studies 3.0
5586 06:30PM-08:20PM  M  E-231  M.Sessom
Additional 1 instructional hour/week via Internet.

PARA-110 Civil Litigation Practice 3.0
Prerequisite: "C" grade or higher or "Pass" in PARA 100 or equivalent.
5587 06:30PM-09:20PM  T  E-231  E.Sturgeon

PARA-120 Administrative Law 3.0
Prerequisite: "C" grade or higher or "Pass" in PARA 100 or equivalent.
4239 06:30PM-09:20PM  TH  E-231  H.Rucker

PARA-132 Computer Assist Legal Research 3.0
$30 legal database fee due at registration
Prerequisite: "C" grade or higher or "Pass" in PARA 100 or equivalent
5589 06:30PM-09:35PM  M  E-204  B.Baker
Please check WebAdvisor at https://wa.gcccd.edu for course changes (added/cancelled sections, room changes, instructor changes, etc.)

### PARA-250 Internship

Prerequisite: "C" grade or higher or "Pass" in PARA 100 or equivalent.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Time</th>
<th>Instructor</th>
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<tbody>
<tr>
<td>5593</td>
<td>TBA</td>
<td>D.Adjadj</td>
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<tr>
<td>5594</td>
<td>TBA</td>
<td>D.Adjadj</td>
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<tr>
<td>5595</td>
<td>TBA</td>
<td>D.Adjadj</td>
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</table>

Mandatory meetings 1/30, 2/7 6-6:25pm in E231.
1 unit=75 hours paid/60 hours unpaid work experience.
Resume required for the first class meeting; signed contract by second class.

### PERSONAL DEV-SPECIAL SERVICES

**PDSS-096 Cognitive Communication Skills 1.0**
Pass/No Pass only. Recommended for students with disabilities.
6713 10:00AM-10:50AM  F  A-112 M.Jones

### PHILOSOPHY

**PHIL-110 A General Intro to Philosophy 3.0**

<table>
<thead>
<tr>
<th>Course Code</th>
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<th>Instructor</th>
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<tbody>
<tr>
<td>4314</td>
<td>TBA</td>
<td>J.Thompson</td>
</tr>
<tr>
<td>4751</td>
<td>TBA</td>
<td>C.Hammond</td>
</tr>
<tr>
<td>4317</td>
<td>09:30AM-10:45AM  TTH  F-716 C.Hammond</td>
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**PHIL-125 Critical Thinking 3.0**

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<tr>
<td>4318</td>
<td>08:00AM-09:15AM  TTH  F-508 J.McGreevy</td>
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<tr>
<td>4319</td>
<td>09:30AM-10:45AM  MW  F-716 J.Thompson</td>
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**PHIL-130 Logic 3.0**

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<td>5645</td>
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**PHIL-140 Problems in Ethics 3.0**

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<th>Course Code</th>
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<tr>
<td>7189</td>
<td>TBA</td>
<td>C.Hammond</td>
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### PHYSICS

**PHYC-131 Fundamentals of Physics 4.0**
Prerequisite: "C" grade or higher or "Pass" in PHYC 130 or equivalent.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Time</th>
<th>Instructor</th>
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<tbody>
<tr>
<td>5748</td>
<td>05:30PM-06:45PM  TTH  F-408 S.Stambach</td>
<td></td>
</tr>
<tr>
<td>5749</td>
<td>08:00AM-09:50AM  MW  H-223 J.Riley</td>
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</table>

**PHYC-190 Mechanics and Heat 5.0**
Prerequisite: "C" grade or higher or "Pass" in MATH 180 or equivalent or concurrent enrollment.
Recommended Preparation: Concurrent enrollment in MATH 280.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Time</th>
<th>Instructor</th>
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<tbody>
<tr>
<td>5749</td>
<td>08:00AM-09:50AM  MW  H-223 J.Riley</td>
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</tbody>
</table>

+ Satisfies Cal. State University General Education
# Satisfies Cuyamaca College General Education (includes Graduation Requirement)
S Denotes short-term class

*“ZTC” Section uses free materials.*
Please check WebAdvisor at https://wa.gcccd.edu for course changes (added/cancelled sections, room changes, instructor changes, etc.)

(PHYC-190 continued)

<table>
<thead>
<tr>
<th>CRN</th>
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<th>Location</th>
<th>Instructor</th>
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<tbody>
<tr>
<td>8405</td>
<td>10:00AM-11:50AM</td>
<td>TTH</td>
<td>H-223</td>
<td>D.Tibbets</td>
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<tr>
<td>12:00PM-02:50PM</td>
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<tr>
<td>9197</td>
<td>05:00PM-06:50PM</td>
<td>MW</td>
<td>H-223</td>
<td>S.Stambach</td>
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<td>07:00PM-09:50PM</td>
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<td>H-223</td>
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+ PHYC-200 Electricity and Magnetism 5.0
Prerequisite: "C" grade or higher or "Pass" in PHYC 190 or equivalent; "C" grade or higher or "Pass" in MATH 280 or equivalent or concurrent enrollment.
Recommended Preparation: Concurrent enrollment in MATH 281.

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<tr>
<th>CRN</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
<th>Instructor</th>
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<tbody>
<tr>
<td>4616</td>
<td>08:00AM-09:50AM</td>
<td>TTH</td>
<td>H-223</td>
<td>M.Simpson</td>
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<tr>
<td>03:30PM-06:20PM</td>
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<td>H-223</td>
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</tr>
<tr>
<td>0333</td>
<td>10:00AM-11:50AM</td>
<td>MW</td>
<td>H-223</td>
<td>J.Hinton</td>
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<tr>
<td>09:00AM-11:50AM</td>
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<td>H-223</td>
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<td>5751</td>
<td>12:00PM-01:50PM</td>
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<td>H-223</td>
<td>M.Simpson</td>
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<td>02:00PM-04:50PM</td>
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<td>H-223</td>
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+ PHYC-210 Wave Motion and Modern Physics 5.0
Prerequisite: "C" grade or higher or "Pass" in PHYC 190 or equivalent; "C" grade or higher or "Pass" in MATH 281 or equivalent or concurrent enrollment.

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<th>CRN</th>
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<th>Days</th>
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<tr>
<td>5077</td>
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<td>TTH</td>
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<td>M.Simpson</td>
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<td>03:30PM-06:20PM</td>
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<td>H-224</td>
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<tr>
<td>5752</td>
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<td>TTH</td>
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<td>M.Simpson</td>
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<td>03:30PM-06:20PM</td>
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<td>H-223</td>
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POLITICAL SCIENCE

+ POSC-120 Politics & Political Analysis 3.0
Basic approaches, perspectives and techniques of the political scientist.

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<th>Instructor</th>
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<tbody>
<tr>
<td>4365</td>
<td>09:30AM-10:45AM</td>
<td>MW</td>
<td>F-512</td>
<td>J.Franco</td>
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<tr>
<td>5015</td>
<td>11:00AM-12:15PM</td>
<td>TTH</td>
<td>F-514</td>
<td>J.Franco</td>
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+ POSC-121 Intro to U.S. Govt & Politics 3.0
Introduction to concepts and structures of U.S. government and politics.

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<th>Time</th>
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<th>Location</th>
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<tbody>
<tr>
<td>5756</td>
<td>TBA</td>
<td>WEB-WEB</td>
<td>J.Franco</td>
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</table>

Online course; 52.5 total instructional hours.

S 0492 08:00AM-10:35AM W HSHM-HSHM R.Montano Jan 28-Jun 05
Meets at Health Sciences High & Middle College, 3910 University Ave, San Diego, CA 92105 room 302. Contact instructor for enrollment information.

S 4688 09:00AM-11:50AM MTWTHF B-269 J.Mercurio Jan 02-Jan 26

+ POSC-130 Intro International Relations 3.0

<table>
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<tr>
<th>CRN</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
<th>Instructor</th>
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<tbody>
<tr>
<td>4366</td>
<td>12:30PM-01:45PM</td>
<td>TTH</td>
<td>F-507</td>
<td>J.Franco</td>
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</table>

PSYCHOLOGY

+ PSY-120 Introductory Psychology 3.0
The science of human behavior, thought and emotion.

<table>
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<th>Time</th>
<th>Days</th>
<th>Location</th>
<th>Instructor</th>
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<tbody>
<tr>
<td>4781</td>
<td>TBA</td>
<td>WEB-WEB</td>
<td>T.Doyle</td>
<td></td>
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Online course; 52.5 total instructional hours. See www.cuyamaca.edu/people/tom-doyle for information about the class.

S 5765 TBA WEB-WEB T.Doyle Jan 28-Jun 05
Meets at Health Sciences High & Middle College, 3910 University Ave, San Diego, CA 92105 room 302. Contact instructor for enrollment information.

S 1746 08:00AM-09:15AM TTH B-101 S.Weinert

*ZTC* Zero Textbook Cost section: This course does not require purchase of a textbook and may use free Open Educational Resources (OER) or free textbook alternatives.

S 1992 08:00AM-11:05AM M HSHM-HSHM J.Jones Jan 28-Jun 05
Meets at Health Sciences High & Middle College, 3910 University Ave, San Diego, CA 92105 room 302. Contact instructor for enrollment information.

+Satisfies Cal. State University General Education
# Satisfies Cuyamaca College General Education (includes Graduation Requirement)
S Denotes short-term class
ZTC "ZTC" Section uses free materials.
Please check WebAdvisor at https://wa.gcccd.edu for course changes (added/cancelled sections, room changes, instructor changes, etc.)

(PSY-120 continued)

S 4689 09:00AM-11:50AM MTWTH B-271 S.Weinert Jan 02-Jan 26
*Serves as a ZTC* Xerox Textbook Cost section: This course does not require purchase of a textbook and may use free Open Educational Resources (OER) or free textbook alternatives.

5763 11:00AM-12:15PM MWF B-101 S.Weinert
*Serves as a ZTC* Xerox Textbook Cost section: This course does not require purchase of a textbook and may use free Open Educational Resources (OER) or free textbook alternatives.

PSY-138 Social Psychology 3.0
4368 TBA WEB=WEB R.Wanic
Online course; 52.5 total instructional hours. Email rebekah.wanic@gcccd.edu for details.

PSY-140 Physiological Psychology 3.0
The relationship between bodily processes, human thought and emotion.
Prerequisite: "C" grade or higher or "Pass" in PSY 120 or equivalent.
4369 09:30AM-10:45AM TTH F-512 S.Weinert

PSY-150 Developmental Psychology 3.0
Changes in thought, emotion and behavior throughout the life span.
Prerequisite: "C" grade or higher or "Pass" in PSY 120 or equivalent
4782 TBA WEB=WEB S.Weinert
Online course; 52.5 total instructional hours. Email steve.weinert@gcccd.edu

PSY-170 Abnormal Psychology 3.0
Research/theory involving the causes and treatment of psychological disorders.
4487 TBA WEB=WEB T.Doyle
Online course; 52.5 total instructional hours. See http://www.cuyamaca.edu/people/tom-doyle/default.aspx

PSY-201 Acad/Career Opportunity-Psych 1.0
Pass/No Pass Only.
Prerequisite: "C" grade or higher in PSY 120 or equivalent.
4957 12:30PM-01:20PM T E-204 S.Weinert

PSY-205 Research Methods in Psychology 3.0
Prerequisite: "C" grade or higher or "Pass" in PSY 120, 215 or equivalent.
0837 09:00AM-12:05PM F E-204 S.Weinert
Section #0837 uses free materials.

PSY-215 Statistics Behavioral Sciences 4.0
Defining/solving quantitative problems in the behavioral sciences.
Prerequisite: "C" grade or higher or "Pass" in MATH 096 or 103 or 110 or equivalent.
9432 12:30PM-02:45PM M E-204 S.Weinert
12:30PM-01:20PM W E-204
01:30PM-02:45PM W E-204

PSY-220 Learning 3.0
Prerequisite: "C" grade or higher or "Pass" in PSY 120 or equivalent.
4370 09:30AM-10:45AM MW F-513 M.Mansoor

* Satisfies Cal. State University General Education
# Satisfies Cuyamaca College General Education (includes Graduation Requirement)
S Denotes short-term class
X "ZTC" Section uses free materials.
Please check WebAdvisor at https://wa.gcccd.edu for course changes (added/cancelled sections, room changes, instructor changes, etc.)

REAL ESTATE

RE-190 Real Estate Principles 3.0
5786  TBA  WEB=WEB  G.Daunoras
Online course; 52.5 total instructional hours. Email gregory.daunoras@gcccd.edu for details.

RE-191 Real Estate Practice 3.0
5787  06:30PM-09:20PM  T  E-229  S.Wilson

RE-192 Real Estate Finance 3.0
5790  06:30PM-09:20PM  TH  E-229  G.Daunoras

RE-194 Real Estate Appraisal 3.0
5791  06:30PM-09:35PM  M  E-229  S.Yepiz

RE-250 Real Estate Internship
0861  TBA  R.Perez
Mandatory meeting 1/30 at 5:30-6:25PM in E-229.
1 unit=75 hours paid/60 hours unpaid work experience. Email raphael.perez@gcccd.edu for details.

0862  TBA  R.Perez
Mandatory meeting 1/30 at 5:30-6:25PM in E-229.
2 units=150 hours paid/120 hours unpaid work experience.

0863  TBA  R.Perez
Mandatory meeting 1/30 at 5:30-6:25PM in E-229.
3 units=225 hours paid/180 hours unpaid work experience.

RELIGIOUS STUDIES

+## RELG-120 World Religions 3.0
5016  TBA  WEB=WEB  P.Carmona
Online course; 52.5 total instructional hours. Students MUST log in to the course's Canvas site to read the startup instructions no later than 1/28, 11:59pm. Two REQUIRED on campus Saturday exams (no Exceptions): 3/23 and 5/25, 10:00am-11:30am in room TBA.

+## RELG-170 Intro to the New Testament 3.0
0047  TBA  WEB=WEB  B.McGraw
Online course; 52.5 instructional hours required. See www.cuyamaca.edu/bruce.mcgraw after 1/15.

SCIENCE

# SCI-100 Success-Sci, Tech, Engr, Math 3.0
1519  11:00AM-12:15PM  TTH  H-205  K.Nette

SOCIOLOGY

+## SOC-120 Introductory Sociology 3.0
Social theories and methods; social institutions, interaction and social changes.
5810  TBA  WEB=WEB  U.Hines
Online course; 52.5 total instructional hours. See www.Introsoc.com for orientation; pay special attention to FAQ page. Email questions to ursula.hines@gcccd.edu
7026  TBA  WEB=WEB  U.Hines
Online course; 52.5 total instructional hours. See www.Introsoc.com for orientation; pay special attention to FAQ page. Email questions to ursula.hines@gcccd.edu.

5813  09:30AM-10:45AM  MW  F-507  R.Jacob-Almeida
5811  09:30AM-10:45AM  TTH  F-513  C.Anderson
1146  11:00AM-12:15PM  TTH  F-513  C.Anderson
5814  12:30PM-01:45PM  TTH  E-227  R.Jacob-Almeida
+# SOC-125 Marriage, Fam & Alt Lifestyles 3.0
Understanding factors conducive to successful marital and family relationships.
4389 TBA WEB-WEB R.Horn Langford
Online course; 52.5 total instructional hours.

+# SOC-130 Contemporary Social Problems 3.0
4391 11:00AM-12:15PM MW F-512 R.Jacob-Almeida

SPANISH
+# SPAN-120 Spanish I 5.0
5820 07:00AM-09:15AM MW F-502 M.Berumen
5821 09:30AM-11:45AM MW F-502 L.Maldonado
5821 09:30AM-11:45AM TTH F-502 S.Heras
0057 12:30PM-03:20PM TH F-506 S.Gonzalez
Additional 2 instructional hours/week via Internet.
5828 06:00PM-08:15PM TTH F-502 D.Muzquiz-Guerreiro

+# SPAN-121 Spanish II 5.0
Prerequisite: "C" grade or higher or "Pass" in SPAN 120 or two years of high school Spanish or equivalent.
4321 09:30AM-11:45AM TTH F-506 K.Gutierrez
4323 06:00PM-08:50PM TH F-405 E.Arzola
Additional 2 instructional hours/week via Internet.

+# SPAN-220 Spanish III 5.0
Prerequisite: "C" grade or higher or "Pass" in SPAN 121 or three years of high school Spanish or equivalent.
4324 09:30AM-11:45AM MW F-506 K.Gutierrez

+# SPAN-221 Spanish IV 5.0
Prerequisite: "C" grade or higher or "Pass" in SPAN 220 or four years of high school Spanish or equivalent.
4326 12:30PM-02:45PM TTH F-514 K.Gutierrez

+# SPAN-250 Conversational Spanish I 3.0
Prerequisite: "C" grade or higher or "Pass" in SPAN 121 or 220 or 221 or three years of high school Spanish or equivalent.
5838 12:30PM-01:45PM MW F-506 A.Stere-Lugo

+# SPAN-251 Conversational Spanish II 3.0
Prerequisite: "C" grade or higher or "Pass" in SPAN 250 or four years of high school Spanish or equivalent.
4325 12:30PM-01:45PM MW F-506 A.Stere-Lugo

SURVEYING
SURV-218 Plane Surveying 4.0
Prerequisite: "C" grade or higher or "Pass" in MATH 170 or equivalent or concurrent enrollment.
5868 08:00AM-09:50AM S F-724 D.Woolley
10:00AM-11:10AM S F-724
01:40PM-04:30PM S F-724
Also listed as ENGR 218 #5257.

SURV-220 Boundary Control & Legal Princ 3.0
Prerequisite: "C" grade or higher or "Pass" in SURV/ENGR 218 or equivalent.
4240 02:30PM-05:35PM S F-621 J.Butcher

SURV-240 Advanced Surveying 4.0
Prerequisite: "C" grade or higher or "Pass" in SURV/ENGR 218 or equivalent.
4485 07:30AM-10:35AM S F-621 J.Butcher
11:05AM-02:00PM S F-621
**SOCIAL WORK**

<table>
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<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
<th>CRN</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
<th>Instructor</th>
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<tbody>
<tr>
<td>SW-110</td>
<td>Social Work Fields of Service</td>
<td>3.0</td>
<td>1571</td>
<td>09:30AM-10:45AM</td>
<td>TTH</td>
<td>E-227</td>
<td>C.McCray</td>
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<td>8998</td>
<td>11:00AM-12:15PM</td>
<td>TTH</td>
<td>E-225</td>
<td>C.McCray</td>
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<tr>
<td>SW-120</td>
<td>Introduction to Social Work</td>
<td>3.0</td>
<td>1891</td>
<td>06:00PM-08:50PM</td>
<td>T</td>
<td>F-513</td>
<td>B.Williams</td>
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**THEATRE ARTS**

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<th>Time</th>
<th>Days</th>
<th>Location</th>
<th>Instructor</th>
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<tbody>
<tr>
<td>THTR-110</td>
<td>Introduction to the Theatre</td>
<td>3.0</td>
<td>4309</td>
<td>02:00PM-03:15PM</td>
<td>TTH</td>
<td>B-301</td>
<td>A.Ecker</td>
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**WORK EXPERIENCE**

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<tr>
<th>Course</th>
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<th>Time</th>
<th>Days</th>
<th>Location</th>
<th>Instructor</th>
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<tbody>
<tr>
<td>WEX-110</td>
<td>General Cooperative Work Exp</td>
<td></td>
<td>0560</td>
<td>TBA</td>
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<td>J.King</td>
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<tr>
<td></td>
<td>Required orientation Mon. 1/28 from 5pm-6 in room B-101. Students must attend the orientation or they will be dropped from the class. Email questions to <a href="mailto:jenny.king@gcccd.edu">jenny.king@gcccd.edu</a>.</td>
<td></td>
<td></td>
<td>TBA</td>
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<td>M.Nguyen</td>
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<tr>
<td></td>
<td>1 unit=75 hours paid/60 hours unpaid work experience.</td>
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<td>TBA</td>
<td></td>
<td>M.Campuzano</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Required orientation Mon. 1/28 from 5pm-6 in room B-101. Students must attend the orientation or they will be dropped from the class. Email questions to <a href="mailto:michelle.campuzano@gcccd.edu">michelle.campuzano@gcccd.edu</a>.</td>
<td></td>
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<td>TBA</td>
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<td>M.Morrin</td>
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<td>2 units=150 hours paid/120 hours unpaid work experience.</td>
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<td>TBA</td>
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<td>C.Morrin</td>
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</tr>
<tr>
<td></td>
<td>Required orientation Mon. 1/28 from 5pm-6 in room B-101. Students must attend the orientation or they will be dropped from the class. Email questions to <a href="mailto:cindy.morrin@gcccd.edu">cindy.morrin@gcccd.edu</a>.</td>
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<td>3 units=225 hours paid/180 hours unpaid work experience.</td>
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**WATER/WASTEWATER TECHNOLOGY**

(see Center for Water Studies, Pages 23-25)