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Some class offerings and room assignments may have changed since printing this schedule. Please see the web for the most up to date class schedule at: http://students.vcccd.edu/scheds.htm.
### Learning Options

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### ART COURSE SCHEDULE

### ANATOMY

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**ANAT M01** Human Anatomy .................................................. 4.00 Units

**ANAT M01** Human Anatomy .................................................. 4.00 Units

**ANATOMY/PHYSIOLOGY**

**ANPH M01** Human Anatomy and Physiology .......................... 6.00 Units

**ANATOMY/PHYSIOLOGY**

**ANPH M01** Human Anatomy and Physiology .......................... 6.00 Units

**ANIMAL SCIENCE**

**ANSC M60BL** Primate Behavior Lab ...................................... 1.00 Unit

**ANIMAL SCIENCE**

**ANSC M60BL** Primate Behavior Lab ...................................... 1.00 Unit

**ANTHROPOLOGY**

**ANTH M01** Biological Anthropology .................................... 3.00 Units

**ANTH M01** Biological Anthropology .................................... 3.00 Units

**ANTH M10L** Physical Anthropology Lab ............................... 1.00 Unit

**ANTH M10L** Physical Anthropology Lab ............................... 1.00 Unit

**ANTH M02** Cultural Anthropology ....................................... 3.00 Units

**ANTH M02** Cultural Anthropology ....................................... 3.00 Units

**ANTH M04** Chicano Culture .................................................. 3.00 Units

**ANTH M04** Chicano Culture .................................................. 3.00 Units

**ANTH M07** The Anthropology of Magic, Witchcraft and Religion 3.00 Units

**ANTH M07** The Anthropology of Magic, Witchcraft and Religion 3.00 Units

**ART**

**ART M10** Art Appreciation .................................................. 3.00 Units

**ART M10** Art Appreciation .................................................. 3.00 Units

**ART M20** Two Dimensional Design ...................................... 3.00 Units

**ART M20** Two Dimensional Design ...................................... 3.00 Units

**ART M30** Drawing and Composition I ................................. 3.00 Units

**ART M30** Drawing and Composition I ................................. 3.00 Units

**ART M31** Drawing and Composition II ............................... 3.00 Units

**ART M31** Drawing and Composition II ............................... 3.00 Units

---

Some class offerings and room assignments may have changed since printing this schedule. Please see the web for the most up to date class schedule at: http://students.vcccd.edu/scheds.htm.
### New, easy on-line payment plan - eCASHIER

See page 147 for more information or visit WebSTAR at www.vcccd.edu/webstar

<table>
<thead>
<tr>
<th>COURSE#</th>
<th>START DATE</th>
<th>END DATE</th>
<th>INSTRUCTOR</th>
<th>CLASS TIME</th>
<th>CLASS DAYS</th>
<th>LOCATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART M70</td>
<td>05/26/2009</td>
<td>07/02/2009</td>
<td>SCOTT DJ</td>
<td>08:00am-12:50pm</td>
<td>MTWTh</td>
<td>T-114</td>
</tr>
<tr>
<td>ART M71</td>
<td>05/26/2009</td>
<td>07/02/2009</td>
<td>SCOTT DJ</td>
<td>08:00am-12:50pm</td>
<td>MTWTh</td>
<td>T-114</td>
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<tr>
<td>ART M72</td>
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<td>07/02/2009</td>
<td>SCOTT DJ</td>
<td>08:00am-12:50pm</td>
<td>MTWTh</td>
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<td>ART M73</td>
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<td>T-114</td>
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</table>

### ASTRONOMY

**AST M01** An Introduction to Astronomy ................................................................. 3.00 Units

<table>
<thead>
<tr>
<th>COURSE#</th>
<th>START DATE</th>
<th>END DATE</th>
<th>INSTRUCTOR</th>
<th>CLASS TIME</th>
<th>CLASS DAYS</th>
<th>LOCATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>55254</td>
<td>06/18/2009</td>
<td>06/18/2009</td>
<td>HARPER CD</td>
<td>08:00am-11:15am</td>
<td>MTWTh</td>
<td>PS-202</td>
</tr>
<tr>
<td>57141</td>
<td>06/18/2009</td>
<td>06/18/2009</td>
<td>WALLINGFORD R</td>
<td>01:00pm-04:15pm</td>
<td>MTWTh</td>
<td>PS-202</td>
</tr>
<tr>
<td>55255</td>
<td>06/18/2009</td>
<td>06/18/2009</td>
<td>HARPER CD</td>
<td>13.00 HRS/WK</td>
<td>ARR TV</td>
<td></td>
</tr>
</tbody>
</table>

**NOTE:** CRN 53525 is a televised course. DVD's and texts can be purchased in the campus Bookstore. This is a web-enhanced class with required homework done on-line. The class will meet in PS-202 from 7-9:50 pm on 5/28/09 for Orientation; 6/9/09 for Midterm; Review and Final will be on 6/19/09.

<table>
<thead>
<tr>
<th>CRN</th>
<th>START DATE</th>
<th>END DATE</th>
<th>INSTRUCTOR</th>
<th>CLASS TIME</th>
<th>CLASS DAYS</th>
<th>LOCATION</th>
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<tr>
<td>54194</td>
<td>07/29/2009</td>
<td>06/18/2009</td>
<td>BECHT B</td>
<td>8.50 HRS/WK</td>
<td>ARR WEB</td>
<td></td>
</tr>
</tbody>
</table>

**NOTE:** CRN 54194 is an online class. All course work, including all exams, are online. To take this class you must have access to a computer and be comfortable using it. You must have basic skills in word processing, email and in navigating the Internet.

**AST M01L** Introduction to Astronomy Laboratory.................................................... 1.00 Unit

<table>
<thead>
<tr>
<th>COURSE#</th>
<th>START DATE</th>
<th>END DATE</th>
<th>INSTRUCTOR</th>
<th>CLASS TIME</th>
<th>CLASS DAYS</th>
<th>LOCATION</th>
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<tr>
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<td>WALLINGFORD R</td>
<td>07:30pm-10:45pm</td>
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<tr>
<td>55356</td>
<td>06/18/2009</td>
<td>06/18/2009</td>
<td>JANDORF HR</td>
<td>07:30pm-10:45pm</td>
<td>MTWTh</td>
<td>HS-118B</td>
</tr>
<tr>
<td>52757</td>
<td>08/06/2009</td>
<td>08/06/2009</td>
<td>SOMERS JM</td>
<td>07:30pm-10:45pm</td>
<td>TTh</td>
<td>HS-11B</td>
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<tr>
<td>50400</td>
<td>08/06/2009</td>
<td>08/06/2009</td>
<td>JANDORF HR</td>
<td>07:30pm-10:45pm</td>
<td>TTh</td>
<td>HS-107A</td>
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</table>

### BIOLOGY

**BIOL M01** Introduction to Biology ............................................................................. 4.00 Units

<table>
<thead>
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<th>START DATE</th>
<th>END DATE</th>
<th>INSTRUCTOR</th>
<th>CLASS TIME</th>
<th>CLASS DAYS</th>
<th>LOCATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>54437</td>
<td>07/02/2009</td>
<td>07/02/2009</td>
<td>PIRES DB</td>
<td>16.00 HRS/WK</td>
<td>ARR WEB</td>
<td></td>
</tr>
</tbody>
</table>

**NOTE:** CRN 54437 is an online course. Lectures will be delivered daily from 8-10am. Lectures will be posted weekly. Students will be responsible for completing weekly computer-based exercises on their own. Exams will be given on campus on pre-determined Mondays. Students unable to come to campus can make arrangements with the instructor. Students will be required to purchase supplies to perform some wet labs at home. Field trips to nature sites in the student's locale will be taken outside of regular class hours.

<table>
<thead>
<tr>
<th>CRN</th>
<th>START DATE</th>
<th>END DATE</th>
<th>INSTRUCTOR</th>
<th>CLASS TIME</th>
<th>CLASS DAYS</th>
<th>LOCATION</th>
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</thead>
<tbody>
<tr>
<td>50799</td>
<td>06/22/2009</td>
<td>06/22/2009</td>
<td>AZIMPOUR TABRIZI</td>
<td>05:30pm-07:45pm</td>
<td>MTWTh</td>
<td>LMC-217</td>
</tr>
<tr>
<td>51321</td>
<td>06/22/2009</td>
<td>06/22/2009</td>
<td>AZIMPOUR TABRIZI</td>
<td>07:30pm-09:20pm</td>
<td>MTWTh</td>
<td>LMC-216</td>
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**BIOL M02A** General Biology I ................................................................................... 5.00 Units

<table>
<thead>
<tr>
<th>COURSE#</th>
<th>START DATE</th>
<th>END DATE</th>
<th>INSTRUCTOR</th>
<th>CLASS TIME</th>
<th>CLASS DAYS</th>
<th>LOCATION</th>
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</thead>
<tbody>
<tr>
<td>54968</td>
<td>07/09/2009</td>
<td>07/09/2009</td>
<td>JOHNSON J</td>
<td>11:30am-1:45pm</td>
<td>MTWTh</td>
<td>FH-120</td>
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<tr>
<td>55099</td>
<td>08/06/2009</td>
<td>08/06/2009</td>
<td>PARHAM SEREN B</td>
<td>03:30pm-05:20pm</td>
<td>MTWTh</td>
<td>FH-120</td>
</tr>
<tr>
<td>50799</td>
<td>08/06/2009</td>
<td>08/06/2009</td>
<td>AZIMPOUR TABRIZI</td>
<td>08:00pm-09:50pm</td>
<td>MTWTh</td>
<td>LMC-217</td>
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</table>

**BIOL M02B** General Biology II .................................................................................... 5.00 Units

<table>
<thead>
<tr>
<th>COURSE#</th>
<th>START DATE</th>
<th>END DATE</th>
<th>INSTRUCTOR</th>
<th>CLASS TIME</th>
<th>CLASS DAYS</th>
<th>LOCATION</th>
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<tr>
<td>51809</td>
<td>08/06/2009</td>
<td>08/06/2009</td>
<td>PIRES DB</td>
<td>09:00am-11:15am</td>
<td>MTWTh</td>
<td>FH-115</td>
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<tr>
<td>57098</td>
<td>08/06/2009</td>
<td>08/06/2009</td>
<td>PIRES DB</td>
<td>11:30am-01:20pm</td>
<td>MTWTh</td>
<td>LMC-220</td>
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**BIOL M16** Human Biology ............................................................................................. 3.00 Units

<table>
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<tr>
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<th>END DATE</th>
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<th>CLASS TIME</th>
<th>CLASS DAYS</th>
<th>LOCATION</th>
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<tbody>
<tr>
<td>50798</td>
<td>05/26/2009</td>
<td>05/26/2009</td>
<td>TUSLER JA</td>
<td>NOON-03:15pm</td>
<td>MTWTh</td>
<td>FH-114</td>
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</table>

New, easy on-line payment plan - eCASHIER

See page 147 for more information or visit WebSTAR at www.vcccd.edu/webstar
### BIOTECHNOLOGY

<table>
<thead>
<tr>
<th>COURSE#</th>
<th>START DATE</th>
<th>END DATE</th>
<th>INSTRUCTOR</th>
<th>CLASS TIME</th>
<th>CLASS DAYS</th>
<th>LOCATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOT M50A</td>
<td>Bridge to Biotechnology .................................................</td>
<td>0.50 Unit</td>
<td>Same course as BIOL M50A</td>
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<td>55079</td>
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### BUSINESS

<table>
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<tr>
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<th>START DATE</th>
<th>END DATE</th>
<th>INSTRUCTOR</th>
<th>CLASS TIME</th>
<th>CLASS DAYS</th>
<th>LOCATION</th>
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</thead>
<tbody>
<tr>
<td>BUS M01A</td>
<td>Accounting Procedures I ..............................................</td>
<td>3.00 Units</td>
<td>RECOMMENDED PREPARATION: MATH M09 and BUS M28 or ENGL M02</td>
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<td>51617</td>
<td>06/22/2009</td>
<td>06/26/2009</td>
<td>FURRELL W</td>
<td>06:30pm-09:45pm</td>
<td>TTh</td>
<td>LMC-137</td>
</tr>
<tr>
<td>AND</td>
<td>3.50 HRS/WK</td>
<td>ARR</td>
<td>WEB</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>NOTE: CRN 51617 meets on campus 3.5 hours per week and on-line 3.5 hours per week. The on-line hours are taken via the Internet and personal computer. The Moorpark College Open Access Computer Lab is available to students who need access to a computer and the Internet. To take this course, you must be comfortable using a computer, have basic word processing, email and Internet navigational skills, and be familiar with chat rooms. Go to <a href="http://www.moorparkcollege.edu">www.moorparkcollege.edu</a>, click on the WebSTAR button and then click on WebSTAR services link. Login using your student ID# (9 digit number beginning with 900) and 6 digit PIN number. Click on the WebCT/Blackboard Vista link, then click the Launch WebCT Vista button. Be sure to perform a browser check by clicking the Check Browser link in the upper right corner of the screen. You may contact your instructor by email at <a href="mailto:wfurrell@vcccd.edu">wfurrell@vcccd.edu</a>.</td>
<td></td>
<td></td>
<td></td>
<td></td>
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<td></td>
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</table>

| BUS M02A | Financial Accounting I ................................................ | 3.00 Units | RECOMMENDED PREPARATION: BUS M01A and BUS M30 and MATH M09 and BUS M28 or ENGL M02. (BUS M02A + M02B + M02C) |
| 51618 | 06/22/2009 | 06/26/2009 | HOFFING RJ | 06:30pm-09:45pm | TTh | HSS-101 |
| AND | 3.50 HRS/WK | ARR | WEB |
| NOTE: CRN 51618 meets on campus 3.5 hours per week and on-line 3.5 hours per week. The on-line hours are taken via the Internet and personal computer. The Moorpark College Open Access Computer Lab is available to students who need access to a computer and the Internet. To take this course, you must be comfortable using a computer, have basic word processing, email and Internet navigational skills, and be familiar with chat rooms. Go to www.moorparkcollege.edu, click on the WebSTAR button and then click on WebSTAR services link. Login using your student ID# (9 digit number beginning with 900) and 6 digit PIN number. Click on the WebCT/Blackboard Vista link, then click the Launch WebCT Vista button. Be sure to perform a browser check by clicking the Check Browser link in the upper right corner of the screen. You may contact your instructor by email at abatista@vcccd.edu. |

| BUS M02C | Managerial Accounting .................................................. | 3.00 Units | PREREQUISITE: BUS M02A. |
| 53606 | 06/22/2009 | 06/26/2009 | BATISTA AM | 06:30pm-09:45pm | MW | T-216 |
| AND | 3.50 HRS/WK | ARR | WEB |
| NOTE: CRN 53606 meets on campus 3.5 hours per week and on-line 3.5 hours per week. The on-line hours are taken via the Internet and personal computer. The Moorpark College Open Access Computer Lab is available to students who need access to a computer and the Internet. To take this course, you must be comfortable using a computer, have basic word processing, email and Internet navigational skills, and be familiar with chat rooms. Go to www.moorparkcollege.edu, click on the WebSTAR button and then click on WebSTAR Services. Login using your 900 student ID# and WebSTAR pin number. Blackboard will recognize only the first 6 digits of your pin and is case sensitive. Contact your instructor by the first day of class via email at abatista@vcccd.edu. |

| BUS M04 | Personal Finance ............................................................ | 3.00 Units | RECOMMENDED PREPARATION: BUS M02A and BUS M02B. |
| 54646 | 06/22/2009 | 06/26/2009 | BATISTA AM | 06:30pm-09:45pm | MW | FH-114 |
| AND | 7.00 HRS/WK | ARR | WEB |
| NOTE: CRN 54646 is an on-line course taken via the Internet and personal computer. The Moorpark College Open Access Computer Lab is available to students who need access to a computer and the Internet. To take this course, you must be comfortable using a computer and have basic word processing, email, and Internet navigation skills, and be familiar with chat rooms. Go on-line at www.moorparkcollege.edu, click on the WebSTAR button and then click on WebSTAR Services. Login using your 900 student ID# and WebSTAR pin number. Blackboard will recognize only the first 6 digits of your pin and is case sensitive. Contact your instructor by the first day of class via email at lputnam@vcccd.edu. |

| BUS M28 | Business English ............................................................ | 3.00 Units | RECOMMENDED PREPARATION: BUS M28 or ENGL M02 |
| 54042 | 06/22/2009 | 06/26/2009 | PUTNAM LM | 06:30pm-09:45pm | MW | F-114 |
| AND | 7.00 HRS/WK | ARR | WEB |
| NOTE: CRN 54042 is an on-line course taken via the Internet and personal computer. The Moorpark College Open Access Computer Lab is available to students who need access to a computer and the Internet. To take this course, you must be comfortable using a computer and have basic word processing, email, and Internet navigation skills. Go on-line at www.moorparkcollege.edu, click on the WebSTAR button and then click on WebSTAR Services. Login using your 900 student ID# and WebSTAR pin number. Blackboard will recognize only the first 6 digits of your pin and is case sensitive. Contact your instructor by the first day of class via email at lputnam@vcccd.edu. |

| BUS M30 | Introduction to Business and Economics ........................... | 3.00 Units | RECOMMENDED PREPARATION: BUS M28 or ENGL M02 |
| 54665 | 06/22/2009 | 06/26/2009 | BRANCA SA | 06:30pm-09:45pm | MW | FH-114 |
| AND | 7.00 HRS/WK | ARR | WEB |
| NOTE: CRN 54665 is an on-line course taken via the Internet and personal computer. The Moorpark College Open Access Computer Lab is available to students who need access to a computer and the Internet. To take this course, you must be comfortable using a computer, have basic word processing, email, and Internet navigation skills, and be familiar with chat rooms. Go online at www.moorparkcollege.edu click on WebSTAR services. Login using your 900 student ID# and WebSTAR pin number. Blackboard will recognize only the first 6 digits of your pin and is case sensitive. Contact your instructor by the first day of class via email at sbranca@vcccd.edu. |

Some class offerings and room assignments may have changed since printing this schedule. Please see the web for the most up to date class schedule at: http://students.vcccd.edu/scheds.htm.
### COURSE# START DATE END DATE INSTRUCTOR CLASS TIME CLASS DAYS LOCATION

**BUS M31 Introduction to Management**................................................. 3.00 Units

RECOMMENDED PREPARATION: BUS M30/ECON M30 and BUS M28 or ENGL M20.

<table>
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<tr>
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<th>05/25/2009</th>
<th>06/19/2009</th>
<th>WEAVER TL</th>
<th>08:30pm-09:45pm</th>
<th>MW</th>
<th>LMC-137</th>
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NOTE: CRN 54663 meets on campus 7.0 hours per week and on-line 7.0 hours per week. The on-line hours are taken via the Internet and personal computer. The Moorpark College Open Access Computer Lab is available to students who need access to a computer and the Internet. To take this course, you must be comfortable using a computer, have basic word processing, email and Internet navigational skills, and be familiar with chat rooms.

Go on-line at www.moorparkcollege.edu, click on the WebSTAR button and then click on WebSTAR services. Login using your 900 student ID# and WebSTAR pin number. Blackboard will recognize only the first 6 digits of your PIN and is case sensitive. You may contact your instructor by email at teweaver@vcccd.edu.

### BUS M32 Small Business Management........................................... 3.00 Units

PREREQUISITE: CD M02, CD M03, CD M11 & one of the following: CD M06, CD M07, CD M08, CD M09, or CD M10.

<table>
<thead>
<tr>
<th>54959</th>
<th>06/22/2009</th>
<th>08/06/2009</th>
<th>SUMAL NS</th>
<th>7.00 HRS/WK</th>
<th>ARR</th>
<th>WEB</th>
</tr>
</thead>
</table>

NOTE: CRN 54959 is an on-line course taken via the Internet and a personal computer. The Moorpark College Open Access Computer Lab is available to students who need access to a computer and the Internet. To take this course, you must be comfortable using a computer, have basic word processing, email and Internet navigational skills, and be familiar with chat rooms.

Go on-line at www.moorparkcollege.edu click on WebSTAR services. Login using your 900 student ID# and WebSTAR pin number. Blackboard will recognize only the first 6 digits of your pin and is case sensitive. Contact your instructor by the first day of class via email at nsumal@vcccd.edu.

### BUS M33 Business Law.............................................................. 3.00 Units

RECOMMENDED PREPARATION: BUS M28 or ENGL M20.

<table>
<thead>
<tr>
<th>51612</th>
<th>06/22/2009</th>
<th>08/06/2009</th>
<th>BURNETTE R</th>
<th>06:30pm-09:45pm</th>
<th>MW</th>
<th>T-109</th>
</tr>
</thead>
<tbody>
<tr>
<td>AND</td>
<td>FURRELL W</td>
<td>3.50 HRS/WK</td>
<td>ARR</td>
<td>WEB</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

NOTE: CRN 51612 meets on campus 3.5 hours per week and on-line 3.5 hours per week. The on-line hours are taken via the Internet and personal computer. The Moorpark College Open Access Computer Lab is available to students who need access to a computer and the Internet. To take this course, you must be comfortable using a computer, have basic word processing, email and Internet navigational skills, and be familiar with chat rooms.

Go to www.moorparkcollege.edu, click on the WebSTAR button and then click on WebSTAR services link. Login using your student ID# (9 digit number beginning with 900) and 6 digit PIN number. Click on the WebCT/Blackboard Vista link, then click the Launch WebCT Vista button. Be sure to perform a browser check by clicking the Check Browser link in the upper right corner of the screen. You may contact your instructor by email at wfurrell@vcccd.edu.

### BUS M37 Marketing................................................................. 3.00 Units

RECOMMENDED PREPARATION: BUS M30/ECON M30 and BUS M28 or ENGL M20.

<table>
<thead>
<tr>
<th>54960</th>
<th>06/22/2009</th>
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<th>SUMAL NS</th>
<th>7.00 HRS/WK</th>
<th>ARR</th>
<th>WEB</th>
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</table>

NOTE: CRN 54960 is an on-line course taken via the Internet and a personal computer. The Moorpark College Open Access Computer Lab is available to students who need access to a computer and the Internet. To take this course, you must be comfortable using a computer and have basic word processing, email, and Internet navigation skills and be familiar with chat rooms.

Go on-line at www.moorparkcollege.edu, click on the WebSTAR button and then click on WebSTAR services. Login using your 900 student ID# and WebSTAR pin number. Blackboard will recognize only the first 6 digits of your pin and is case sensitive.

Contact your instructor by the first day of class via email at nsumal@vcccd.edu.

### BUS M39 Business Communications.......................................... 3.00 Units

RECOMMENDED PREPARATION: BUS M30/ECON M30 and BUS M28 or ENGL M20.

<table>
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<th>06/22/2009</th>
<th>08/06/2009</th>
<th>BRANCA SA</th>
<th>7.00 HRS/WK</th>
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<th>WEB</th>
</tr>
</thead>
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NOTE: CRN 53612 is an on-line course taken via the Internet and a personal computer. The Moorpark College Open Access Computer Lab is available to students who need access to a computer and the Internet. To take this course, you must be comfortable using a computer and have basic word processing, email and Internet navigational skills, and be familiar with chat rooms.

Go on-line at www.moorparkcollege.edu, click on the WebSTAR button and then click on WebSTAR services link. Login using your 900 student ID# (9 digit number beginning with 900) and 6 digit PIN number. Click on the WebCT/Blackboard Vista link, then click the Launch WebCT Vista button. Be sure to perform a browser check by clicking the Check Browser link in the upper right corner of the screen. You may contact your instructor by email at nsumal@vcccd.edu.

### CHEMISTRY

#### CHEM M01A General Chemistry I........................................... 6.00 Units

PREREQUISITE: MATH M03 or equivalent college course.

RECOMMENDED PREPARATION: CHEM M12 or equivalent college course or one year of high school chemistry.

<table>
<thead>
<tr>
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<th>BERG EA</th>
<th>11:30am-02:20pm</th>
<th>MTWTh</th>
<th>PS-202</th>
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<tr>
<td>AND</td>
<td>08:00am-11:15am</td>
<td>TTh</td>
<td>PS-102</td>
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<th>PS-202</th>
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#### CHEM M01B General Chemistry II......................................... 6.00 Units

PREREQUISITE: CHEM M01A or equivalent college course and MATH M05 or equivalent college course.

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<th>PS-110</th>
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<tbody>
<tr>
<td>AND</td>
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<td>TTh</td>
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<th>PS-110</th>
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<tr>
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#### CHEM M07A General Organic Chemistry I............................. 5.00 Units

PREREQUISITE: CHEM M01B or equivalent college course.

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<tr>
<td>AND</td>
<td>09:30am-11:20am</td>
<td>TTh</td>
<td>PS-202</td>
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<table>
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<td>TTh</td>
<td>PS-202</td>
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</table>

New, easy on-line payment plan - eCASHIER

See page 147 for more information or visit WebSTAR at www.vcccd.edu/webstar
<table>
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<th>START DATE</th>
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<th>INSTRUCTOR</th>
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<th>CLASS DAYS</th>
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<td>CHOI VA</td>
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<tr>
<td>CHST M02</td>
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<td>07/27/2009</td>
<td>LIZAMA SA</td>
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<td>CHST M04</td>
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<td>07/27/2009</td>
<td>SOTO J</td>
<td>10:30am-12:45pm</td>
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<tr>
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<td>05/26/2009</td>
<td>06/19/2009</td>
<td>SKEARS-MCGOWAN CD</td>
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<td>CDC-132</td>
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<td>CD M02</td>
<td>05/26/2009</td>
<td>07/02/2009</td>
<td>ALMEIDA-BOWIN K</td>
<td>8.00 HRS/WK</td>
<td>ARR</td>
<td>TV</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>NOTE: CRN 53493 is instruction delivered through televideo programming. DVD/VHS, text and materials can be purchased at the Bookstore. CD-ROMs are available directly from Intelecom (<a href="http://www.intelecom.org">www.intelecom.org</a>). Orientation: Wednesday, 5/27/09 from 7:00-8:50pm in CDC-132. Midterm: Wednesday, 6/17/09 from 7:00-8:50pm in CDC-132. Final: Wednesday, 7/1/09 from 7:00-8:50pm in CDC-132.</td>
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<td>CD M03</td>
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<td>06/18/2009</td>
<td>VAN ANTWERP K</td>
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<tr>
<td>CD M10</td>
<td>05/26/2009</td>
<td>06/09/2009</td>
<td>TAYLOR T</td>
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<td>06/06/2009</td>
<td>SUMAL NS</td>
<td>7.00 HRS/WK</td>
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<td>NOTE: CRN 55204 is an on-line course taken via the Internet and personal computer. The Moorpark College Open Access Computer Lab is available to students who need access to a computer and the Internet. To take this course, you must be comfortable using a computer and have basic word processing, email, and Internet navigation skills and be familiar with chat rooms. Go on-line at <a href="http://www.moorparkcollege.edu">www.moorparkcollege.edu</a>, click on the WebSTAR button and then click on WebSTAR services. Login using your 900 student ID# and WebSTAR pin number. Blackboard will recognize only the first 6 digits of your pin and is case sensitive. Contact your instructor by the first day of class via email at <a href="mailto:nsumal@vcccd.edu">nsumal@vcccd.edu</a>.</td>
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<td>06/18/2009</td>
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<td>TTh</td>
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<td>TTh</td>
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**COMPUTER INFORMATION SYSTEMS**

**CIS M11 Basic Computer Keyboarding** .......................... 1.00 Unit  
50032 06/22/09 08/06/09  MOON DA  7.0 HRS/WK  WEB  
NOTE: CRN 50032 meets on-line 7.0 hours per week. You may contact your instructor at dmoon@vcccd.edu. For more information, see the Distance Education page of the Schedule of Classes or go to http://www.moorparkcollege.edu/services_for_students/distance_education/students/index.shtml.

**CIS M12 Intermediate Computer Keyboarding** .......................... 1.00 Unit  
PREREQUISITE: CIS M10 or CIS M11 or touch type 20 wpm.  
50036 06/22/09 08/06/09  MOON DA  7.0 HRS/WK  WEB  
NOTE: CRN 50036 meets on-line 7.0 hours per week. You may contact your instructor at dmoon@vcccd.edu. For more information, see the Distance Education page of the Schedule of Classes or go to http://www.moorparkcollege.edu/services_for_students/distance_education/students/index.shtml.

**CIS M13 Computer Keyboarding / Speed Building** .......................... 1.00 Unit  
PREREQUISITE: CIS M12 or ability to type 35 wpm. May be taken for a maximum of 2 times.  
50039 06/22/09 08/06/09  MOON DA  7.0 HRS/WK  WEB  
NOTE: CRN 50039 meets on-line 7.0 hours per week. You may contact your instructor at dmoon@vcccd.edu. For more information, see the Distance Education page of the Schedule of Classes or go to http://www.moorparkcollege.edu/services_for_students/distance_education/students/index.shtml.

**CIS M14 10-Key Mastery on the Computer** .......................... 1.00 Unit  
50042 06/22/09 08/06/09  MOON DA  5.0 HRS/WK  WEB  
NOTE: CRN 50042 meets on-line 5.0 hours per week. You may contact your instructor at dmoon@vcccd.edu. For more information, see the Distance Education page of the Schedule of Classes or go to http://www.moorparkcollege.edu/services_for_students/distance_education/students/index.shtml.

**CIS M20 Microsoft Word, Part I** ............................................. 1.50 Units  
53064 05/26/2009 06/19/2009  MILLS ML  06:00pm-08:50pm  MW  LMC-121  
PLUS  6.00 HRS/WK  ARR  WEB  
NOTE: CRN 53064 meets on campus 3 hours per week and on-line for 6 hours per week. The on-line hours are taken via the Internet and personal computer. The Moorpark College Open Access Computer Lab is available to students who need access to a computer and the Internet. To take this course, you must be comfortable using a computer, and have basic word processing, email, and Internet navigation skills, and be familiar with chat rooms. Go on-line at www.moorparkcollege.edu, click on the WebSTAR button and then click on WebSTAR services. Login using your 900 student ID# and WebSTAR pin number. Your Blackboard account will recognize only the first 6 digits of your pin and is case sensitive. Contact your instructor by the first day of class via email at mmills@vcccd.edu.

**CIS M24 Microsoft Excel, Part I** ............................................. 1.50 Units  
54961 05/26/2009 06/19/2009  MILLS ML  09:00am-11:50am  MW  LMC-121  
PLUS  6.00 HRS/WK  ARR  WEB  
NOTE: CRN 54961 meets on campus 3 hours per week and on-line for 6 hours per week. The on-line hours are taken via the Internet and personal computer. The Moorpark College Open Access Computer Lab is available to students who need access to a computer and the Internet. To take this course, you must be comfortable using a computer, and have basic word processing, email, and Internet navigation skills, and be familiar with chat rooms. Go on-line at www.moorparkcollege.edu, click on the WebSTAR button and then click on WebSTAR services. Login using your 900 student ID# and WebSTAR pin number. Your Blackboard account will recognize only the first 6 digits of your pin and is case sensitive. Contact your instructor by the first day of class via email at mmills@vcccd.edu.

**CIS M30 Web Page Design I** ............................................. 1.50 Units  
RECOMMENDED PREPARATION: CIS M17  
51554 06/22/2009 08/06/2009  STAFF  6.00 HRS/WK  WEB  
NOTE: CRN 51554 is an on-line class. The on-line hours are taken via the Internet and personal computer. The Moorpark College Open Access Computer Lab is available to students who need access to a computer and the Internet. To take this course, you must be comfortable using a computer, and have basic word processing, email, and Internet navigation skills, and be familiar with chat rooms. Go on-line at www.moorparkcollege.edu, click on the WebSTAR button and then click on WebSTAR services. Login using your 900 student ID# and WebSTAR pin number. Your Blackboard account will recognize only the first 6 digits of your pin and is case sensitive. Contact your instructor by the first day of class via email.

**CIS M40 Visual BASIC I** ............................................. 4.00 Units  
50061 06/22/2009 08/06/2009  CAMPBELL GS  06:00pm-09:15pm  MW  LMC-138  
PLUS  7.0 HRS/WK  WEB  
NOTE:CRN 50061 is a hybrid course that meets 7.0 hours per week on campus and 7.0 hours per week on-line. You may contact your instructor at gcampbell@vcccd.edu. For more information, see the Distance Education page of the Schedule of Classes or go to http://www.moorparkcollege.edu/services_for_students/distance_education/students/index.shtml.

New, easy on-line payment plan - eCASHIER  
See page 147 for more information or visit WebSTAR at www.vcccd.edu/webstar
### COMPUTER NETWORK SYSTEMS ENGINEERIN

**CNSE M01  Introduction to Networking and Telecommunications**

<table>
<thead>
<tr>
<th>COURSE#</th>
<th>START DATE</th>
<th>END DATE</th>
<th>INSTRUCTOR</th>
<th>CLASS TIME</th>
<th>CLASS DAYS</th>
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<td>08/09/2009</td>
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<td>10:00 HRS/WK</td>
<td>ARW</td>
<td>WEB</td>
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**NOTE:** CRN: 55203 is an on-line course taken via the Internet and personal computer. The Moorpark College Open Access Computer Lab is available to students who need access to a computer and the Internet. To take this course, you must be comfortable using a computer and have basic word processing, email, and Internet navigation skills. Go on-line at www.moorparkcollege.edu, click on the WebSTAR button and then click on WebSTAR services. Login using your 900 student ID# and WebSTAR pin number. Blackboard will recognize only the first 6 digits of your pin and is case sensitive. ORIENTATION will be on Sunday, 6/21 at 1:00 PM in Room T-212 on the Moorpark campus. Those students who cannot attend the orientation must contact the instructor. EXAMS will be held on campus. For more information contact the instructor at eygarcia@att.net.

**CNSE M31  MS Windows Network Server**

<table>
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<th>END DATE</th>
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<td>05:00pm-09:50pm</td>
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**NOTE:** CRN: 55015 This class is a Windows Server 2008 based course. For more information contact the instructor at rvolpe@vccd.edu.

**CNSE M43A  Network Infrastructure Administration**

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<td>LMC-139</td>
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**NOTE:** CRN: 54662 This class is a Windows Server 2008 based course. For more information contact the instructor at rvolpe@vccd.edu.

### COUNSELING

**COUN M03  Orientation to Moorpark College**

<table>
<thead>
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<th>START DATE</th>
<th>END DATE</th>
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<th>CLASS DAYS</th>
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**NOTE:** CRN 54757 is in class 4 hours and 4 hours by arrangement

**COUN M04  Student Development in Higher Education**

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<th>START DATE</th>
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**COUN M60C  Self-Paced Career Assessment**

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<td>06/18/2009</td>
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<td>2.00 HRS/WK</td>
<td>ARR</td>
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**NOTE:** CRN 54938 Orientations occurs weekly until June 12. You are required to attend a 1 hour orientation and 1 hour debriefing. Within one week of registering, call the Career Transfer Center 805-378-1536 or email mcwexp@vccd.edu to schedule your orientation appointment.

### CRIMINAL JUSTICE

**CJ M01  Introduction to Criminal Justice**

<table>
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<tr>
<th>COURSE#</th>
<th>START DATE</th>
<th>END DATE</th>
<th>INSTRUCTOR</th>
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<th>CLASS DAYS</th>
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<tr>
<td>52857</td>
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<td>06/29/2009</td>
<td>MULVILLE LM</td>
<td>6.00 HRS/WK</td>
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<td>WEB</td>
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</table>

**NOTE:** CRN 52857 is an on-line course taken via the Internet and a personal computer. The Moorpark College Open Access Computer Lab is available to students who need access to a computer and the Internet. To take this course, you must be comfortable using a computer, have basic word processing, email and Internet navigation skills, and be familiar with discussion rooms. Go online at www.moorparkcollege.edu. Click “distance education” for orientation and log-in. information. Although this is an online course, there is a requirement that students attend four hours of court observation at their own scheduling. For additional information, contact the instructor at lmulville@vccd.edu.

### DANCE

**DANC M10A  Ballet I-Fundamentals**

<table>
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**DANC M10B  Ballet II-Beginning**

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<th>INSTRUCTOR</th>
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**DANC M10C  Ballet III-Intermediate**

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**DANC M11B  Modern Jazz II-Beginning**

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**DANC M11C  Modern Jazz III-Intermediate**

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**DANC M12A  Modern Dance I-Fundamentals**

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**DANC M12B  Modern Dance II-Beginning**

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Some class offerings and room assignments may have changed since printing this schedule. Please see the web for the most up to date class schedule at: http://students.vccd.edu/scheds.htm.
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### ENGLISH

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**ENGL M01A English Composition**

**PREREQUISITE:** ENGL M02 or completion of the assessment process.

**OTHER:** Students cannot complete both ENGL M01A and ENGL M01AH (Honors) courses because credit will only be awarded to the first course completed.

**NOTE:** CRN 55092 is an online course taken via the Internet and a personal computer. The Open Access Computer lab is available to students who need access to a computer and the Internet. You must be comfortable using a computer, have basic word processing, email and Internet navigation skills, and be familiar with chat rooms. Go to www.moorparkcollege.edu and click Distance Learning for more information. Email instructor at egillissmith@vcccd.edu by the first day of class to receive your syllabus and WebCT log-in information.

**ENGL M01B Literature: Critical Thinking and Composition**

**PREREQUISITE:** ENGL M01A.

**OTHER:** Students cannot complete both ENGL M01B and ENGL M01BH (Honors) courses because credit will only be awarded to the first course completed.

**NOTE:** CRN 54882 is an online course taken via the Internet and a personal computer. The Open Access Computer lab is available to students who need access to a computer and the Internet. You must be comfortable using a computer, have basic word processing, email and Internet navigation skills, and be familiar with chat rooms. Go to www.moorparkcollege.edu and click Distance Learning for more information. Email instructor at rgifford@vcccd.edu by the first day of class to receive your syllabus and WebCT log-in information.

**ENGL M01C Critical Thinking and Composition**

**PREREQUISITE:** ENGL M01A.

**OTHER:** Students cannot complete both ENGL M01C and ENGL M01CH (Honors) courses because credit will only be awarded to the first course completed.

**ENGL M02 Introduction to College Writing**

**PREREQUISITE:** ENGL M01A.

**OTHER:** Students cannot complete both ENGL M02 and ENGL M02H (Honors) courses because credit will only be awarded to the first course completed.

### Summer 2009

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**EXOTIC ANIMAL TRAINING AND MANAGEMENT**

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GRAPHICS

GR M10 Introduction to Communication Design ......................................................... 3.00 Units
55154 05/26/2009 06/18/2009 KASALOVIC SS 12 HRS/WK ARR WEB
NOTE: CRN 55154 is an on-line class. To log-in to your Webstar account, click on the WebCT/Blackboard Vista link. Please note that you will not be able to access your course until the first day of class for this semester. For additional information, please contact the instructor at skasalovic@vcccd.edu. Moorpark College open access computer lab is available to students who need access to a computer and the internet.

GR M27 Electronic and Digital Photography .............................................................. 3.00 Units
PREREQUISITE: A course in the discipline.
MATERIAL FEE: $5.00
52363 05/26/2009 06/18/2009 KASALOVIC SS 08:00am-12:50pm MTWTh HS-112
PLUS 2 HRS/WK ARR COM-109

HEALTH EDUCATION

HED M01 Health and Society ..................................................................................... 2.00 Units
52306 05/26/2009 06/18/2009 MANAKAS VJ NOON-02:50pm TWFH G-116
HED M03 Nutrition, Fitness and Stress Management .................................................. 3.00 Units
54957 06/22/2009 07/27/2009 MCCARTHY R 10:30am-12:45pm MTWTh FH-116
HED M05 First Aid and CPR ..................................................................................... 3.00 Units
MATERIAL FEE: $7.00 Red Cross Certification for Adult CPR and AED, and Child and Infant CPR.
50243 05/26/2009 06/19/2009 PARKER DM 08:00am-11:15am MTWTh G-116
55212 06/23/2009 08/06/2009 STAFF 08:30am-09:45pm TTh G-116

HED M07 Personal Health ........................................................................................ 2.00 Units
51658 05/26/2009 06/18/2009 HALLERAN RF 13.00 HRS/WK ARR TV
NOTE: CRN 51658 is instruction delivered through televideo programming. DVD/VHS, text and materials can be purchased at the Bookstore. STUDENTS MUST ATTEND ORIENTATION that is on campus Tuesday, 5/26/09 from 7-9pm in LMC-137. Final exam is on campus Thursday, 5/18/09, from 7-9pm in the FORUM. For additional information Mr. Halleran can be reached at mrpkrh@msn.com.
53614 06/22/2009 07/29/2009 HALLERAN RF 9.00 HRS/WK ARR TV
NOTE: CRN 53614 is instruction delivered through televideo programming. DVD/VHS, text and materials can be purchased at the Bookstore. STUDENTS MUST ATTEND ORIENTATION on campus Monday, 6/22/09, from 7-9pm in he Forum. Final exam is on campus Wednesday, 7/22/09, from 7-9pm in the Forum. Mr. Halleran can be reached at mrpkrh@msn.com.

HEALTH SCIENCES

HS M16N Basic Skills for the Nurse ............................................................................. 0.50 Unit
54647 05/13/2009 05/21/2009 JOSEPH SS 08:00am-11:50am WTh HS-112
AND
54645 05/27/2009 07/01/2009 JOSEPH SS 08:00am-12:15pm W HS-11B
54646 06/01/2009 07/06/2009 JOSEPH SS 08:00am-12:15pm M HS-112

HS M19 Medical Terminology .................................................................................... 3.00 Units
52629 05/18/2009 07/06/2009 BYRNE DJ 7.00 HRS/WK ARR WEB
NOTE: CRN 52629 is an online class and will be taken via your home computer. To take this course you must be comfortable using a computer, have basic word processing, email and internet navigational skills, and be familiar with chat rooms. There will be an online orientation. For more information, contact the instructor at DByrne@vcccd.edu before the first day of class.
52879 05/18/2009 07/06/2009 BURKARD PA 7.00 HRS/WK ARR WEB
NOTE: CRN 52879 is an online class and will be taken via your home computer. To take this course you must be comfortable using a computer, have basic word processing, email and internet navigational skills, and be familiar with chat rooms. There will be an online orientation. For more information, contact the instructor at PBurkard@vcccd.edu before the first day of class.
53887 06/15/2009 08/03/2009 BYRNE DJ 7.00 HRS/WK ARR WEB
NOTE: CRN 53887 is an online class and will be taken via your home computer. To take this course you must be comfortable using a computer, have basic word processing, email and internet navigational skills, and be familiar with chat rooms. There will be an online orientation. For more information, contact the Health Sciences Department at (805) 378-1433.

HS M23 Pharmacology for Allied Health Professional ............................................... 2.00 Units
RECOMMENDED PREPARATION: HS M19
54176 05/14/2009 08/03/2009 NANTROUP SL 5.00 HRS/WK ARR WEB
NOTE: CRN 54176 is an online class and will be taken via your home computer. To take this class you must be comfortable using a computer, have basic word processing, email and internet navigational skills, and be familiar with chat rooms. There will be an online orientation. For more information, contact the instructor at slnearthlink.net before the first day of class.

HS M24R EMT-1 (Basic) Recertification ................................................................. 2.00 Units
PREREQUISITE: EMT-1 (Basic Certification) or expired EMT-1 (Basic Certification) -- not more than 24 months from expiration date and from United States.
52302 06/01/2009 06/11/2009 KOMINS ME 06:00pm-09:50pm MTWTh HS-112

Some class offerings and room assignments may have changed since printing this schedule. Please see the web for the most up to date class schedule at: http://students.vcccd.edu/scheds.htm.
**HISTORY**

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**HISTORY M01A** An Introduction to Western Civilization

- **Units:** 3.00
- **Instructor:**
- **Class Time:** NOON-03:15pm
- **Class Days:** MTWTh
- **Location:** HSS-239

**HISTORY M01B** An Introduction to Western Civilization

- **Units:** 3.00
- **Instructor:**
- **Class Time:** 10:30am-12:45pm
- **Class Days:** MTWTh
- **Location:** HSS-111

**HISTORY M04** History of Mexican Americans in the United States

- **Units:** 3.00
- **Instructor:**
- **Class Time:** 10:30am-12:45pm
- **Class Days:** MTWTh
- **Location:** HSS-230

**HISTORY M06** History of the American Indian

- **Units:** 3.00
- **Instructor:**
- **Class Time:** 10:30am-12:45pm
- **Class Days:** T-210

**HISTORY M07A Social and Political History of the United States**

- **Units:** 3.00
- **Instructor:**
- **Class Time:** NOON-03:15pm
- **Class Days:** MTWTh
- **Location:** HSS-121

**HISTORY M07B Social and Political History of the United States**

- **Units:** 3.00
- **Instructor:**
- **Class Time:** NOON-03:15pm
- **Class Days:** MTWTh
- **Location:** HSS-121

**HISTORY M02 World History I**

- **Units:** 3.00
- **Instructor:**
- **Class Time:** NOON-03:15pm
- **Class Days:** MTWTh
- **Location:** HSS-238

**HISTORY M02B World History II**

- **Units:** 3.00
- **Instructor:**
- **Class Time:** 06:30pm-09:45pm
- **Class Days:** MW
- **Location:** HSS-203

**HISTORY M25 History of the United States**

- **Units:** 3.00
- **Instructor:**
- **Class Time:** 06:30pm-09:45pm
- **Class Days:** TTh
- **Location:** HSS-104

**HISTORY M12 History of American Women**

- **Units:** 3.00
- **Instructor:**
- **Class Time:** 08:00am-11:15am
- **Class Days:** MTWTh
- **Location:** HSS-121

**HISTORY M12H (Honors) courses because credit will only be awarded to the first course completed.**

**HISTORY M20A World History I**

- **Units:** 3.00
- **Instructor:**
- **Class Time:** 08:00am-11:15am
- **Class Days:** MTWTh
- **Location:** HSS-104

**HISTORY M25H (Honors) courses because credit will only be awarded to the first course completed.**

**NEW, easy on-line payment plan - eCASHIER**

See page 147 for more information or visit WebSTAR at www.vcccd.edu/webstar
### Humanities

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**NOTE:** CRN 54063. Instruction is delivered through televideo programming. Video tapes, text and guide can be purchased at the campus bookstore. Orientation: Thursday, 6/18/09 7:00-9:00 pm in the Forum; Review Session: 7/02/09 7:00-9:00 pm in the Forum; Midterm Exam: 7/09/09 7:00-9:00 pm in the Forum; Review Session: 7/30/09 7:00-9:00 pm in the Forum; Final exam: 8/06/09 7:00-9:00 pm in the Forum; All five meetings will be held on Thursdays, 7:00-9:00 pm in the Forum.

### Interior Design

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### Japanese

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**NOTE:** CRN 53051 is an online class. To log-in, go to your Webstar account, click on the “WebCT/Blackboard Vista” link. Please note that you will not be able to access your course until the first day of class for this semester. For additional information, please contact the instructor at joannamiller@vcccd.edu.

### Learning Skills

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### Mathematics

#### Elementary Algebra

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**RECOMMENDED PREPARATION:** MATH M09

### Intermediate Algebra

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**RECOMMENDED PREPARATION:** MATH M01

### College Algebra

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**PREREQUISITE:** MATH M03

### Trigonometry

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**PREREQUISITE:** MATH M05

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Some class offerings and room assignments may have changed since printing this schedule. Please see the web for the most up to date class schedule at: [http://students.vcccd.edu/scheds.htm](http://students.vcccd.edu/scheds.htm).
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**COMMENTS:**
- **MATH M07** College Algebra and Trigonometry .................................................. 5.00 Units
  - **PREREQUISITE:** MATH M03.

**MATH M09** Pre-Algebra ......................................................................................... 3.00 Units
- **RECOMMENDED PREPARATION:** Competence with whole number arithmetic (addition, subtraction, multiplication and division of whole numbers).
  - **NOTE:** CRN 55200 is an on-line course and requires at least a scientific calculator. Students will learn all materials through online lessons, which include videos, phone/web live conferences, and textbook. Students are encouraged to attend the orientation meeting on Thursday, June 18 from 4:30pm - 7:00pm in room PS-110. Exams will be given on Thursdays beginning at 4:00pm and the final exam on Thursday, July 30 from 4 p.m. to 7 p.m. For more information about the course, which includes information about textbook, contact the instructor by email: mendez@vcccd.edu

**MATH M10** Mathematics for Elementary Teachers .................................................. 3.00 Units
- **PREREQUISITE:** MATH M03

**MATH M15** Introductory Statistics ......................................................................... 5.00 Units
- **PREREQUISITE:** MATH M03

**MATH M16A** Applied Calculus I ........................................................................... 3.00 Units
- **PREREQUISITE:** MATH M05 or MATH M07.

**MATH M16B** Applied Calculus II ........................................................................... 3.00 Units
- **PREREQUISITE:** MATH M16A or MATH M25A.

**MATH M25A** Calculus with Analytic Geometry I .................................................... 5.00 Units
- **PREREQUISITE:** MATH M05 and M06 or MATH M07

**MATH M25B** Calculus with Analytic Geometry II ................................................... 5.00 Units
- **PREREQUISITE:** MATH M25A or MATH M16B.

**MICROBIOLOGY**

**MICR M01** General Microbiology ......................................................................... 5.00 Units
- **PREREQUISITE:** BIOL M02A or M04 or equivalent & CHEM M01A or M12 or equivalent or high school chemistry.

**MULTIMEDIA**

**MM M10** Introduction to Digital Media ................................................................... 3.00 Units
- **RECOMMENDED PREPARATION:** Eligibility for ENGL M01A (Previously MM M01)

- New, easy on-line payment plan - eCASHIER
- See page 147 for more information or visit WebSTAR at www.vcccd.edu/webstar
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<tr>
<td>PHOT M06</td>
<td>Electronic and Digital Photography</td>
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<td><strong>PHOT M60D</strong></td>
<td>Laboratory Practice</td>
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</tbody>
</table>

**PHIL M01** *Introduction to Philosophy*  
*Other: Students cannot complete both PHIL M01 and PHIL M01H (Honors) courses because credit will only be awarded to the first course completed.*  
53722 05/26/2009 06/18/2009 ALBANO P NOON-03:15pm MTWTh HSS-206
51903 06/15/2009 06/06/2009 THIEL D 08:00am-10:50am MTWTh TV

**PHIL M02** *Introduction to Ethics*  
*Other: Students cannot complete both PHIL M01 and PHIL M01H (Honors) courses because credit will only be awarded to the first course completed.*  
53924 05/26/2009 06/18/2009 KALUGIN VV NOON-03:15pm MTWTh HSS-203
51661 06/22/2009 07/27/2009 FONTAINES V 01:00pm-03:15pm MTWTh HSS-100

**PHIL M07** *Introduction to Logic*  
54585 05/26/2009 06/18/2009 BIRMINGHAM J NOON-03:15pm MTWTh HSS-101
53761 06/22/2009 07/27/2009 BIRMINGHAM J 01:00pm-03:15pm MTWTh HSS-205
51783 06/22/2009 08/05/2009 MATHER L 06:30pm-09:45pm MW HSS-230

**PHOT M01A** *Beginning Photography*  
51564 06/22/2009 07/28/2009 Gray JM 10:00am-01:50pm MTWTh HSS-129
51567 06/22/2009 07/30/2009 CALLUS S 06:00pm-10:50pm MTWTh HSS-129

**PHOT M06** *Electronic and Digital Photography*  
*Prerequisite: A course in the discipline.*  
52364 05/28/2009 06/18/2009 KASALOVIC SS 08:00am-12:50pm MTWTh COM-109
51783 06/22/2009 08/05/2009 MATHER L 06:30pm-09:45pm MW HSS-230

**PHOT M60D** *Laboratory Practice*  
51833 06/22/2009 07/30/2009 Gray JM 6.00 HRS/WK ARR HSS-129

Some class offerings and room assignments may have changed since printing this schedule. Please see the web for the most up to date class schedule at: http://students.vcccd.edu/scheds.htm.
## PHYSICAL EDUCATION

<table>
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<tr>
<th>COURSE#</th>
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<th>INSTRUCTOR</th>
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<th>CLASS DAYS</th>
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### 2009 Fitness Lab Hours

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<tr>
<th>PE M02A Body Conditioning/Fitness Center</th>
<th>PE M02A Body Conditioning/Fitness Center</th>
<th>PE M02A Body Conditioning/Fitness Center</th>
<th>PE M02B Body Conditioning/Free Weights</th>
<th>PE M05 Bowling</th>
<th>PE M06C Intermediate Golf</th>
<th>PE M08 Power Lifting/Free Weights</th>
<th>PE M11A Beginning Tennis I</th>
<th>PE M11C Intermediate Tennis</th>
<th>PE M13 Hiking and Backpacking</th>
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<tbody>
<tr>
<td>52511</td>
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<td>54784</td>
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<tr>
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<tr>
<td>53930</td>
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<td>MTWTh</td>
<td>BRUN</td>
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</tr>
</tbody>
</table>

### Additional Information

- **NOTE:** CRN 53630 requires a fee of $7.00 per class (3 games) which includes shoes. Class held at Brunswick Bowl in Simi Valley.
- **NOTE:** CRN 50338 requires two Saturday hikes plus one overnight hike. Dates will be announced at the 1st class meeting. For additional information Mr. Kephart can be reached at kkephart@vcccd.edu.
- **NOTE:** CRN 53638 requires two Saturday hikes plus one overnight hike. Dates will be announced at the 1st class meeting. For additional information Mr. Holmberg can be reached at PHolmberg@vcccd.edu.
- **NOTE:** CRN 53648 requires two Saturday hikes plus one overnight hike. Dates will be announced at the 1st class meeting. For additional information Mr. Holmberg can be reached at PHolmberg@vcccd.edu.

### Summer 2009

- **PE M01A Walking for Fitness**
- **PE M02A Body Conditioning/Fitness Center**
- **PE M02B Body Conditioning/Free Weights**
- **PE M04A Beginning Golf**
- **PE M06A Intermediate Golf**
- **PE M08 Power Lifting/Free Weights**
- **PE M11A Beginning Tennis I**
- **PE M11C Intermediate Tennis**
- **PE M13 Hiking and Backpacking**

### Summer 2009 Fitness Lab Hours

- Orientation & Pre-Testing Days/Times:
  - Mon-Sat – 7am, 8:30am, 10am, 11:30am, 1pm, 4pm, 5:30pm & 7pm

### Summer 2009 Fitness Lab Hours

- PE M15, PE M16 and PE M18 are all aerobic instructionally led classes.

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**New, easy on-line payment plan - eCASHIER**

See page 147 for more information or visit WebSTAR at www.vcccd.edu/webstar
<table>
<thead>
<tr>
<th>COURSE#</th>
<th>START DATE</th>
<th>END DATE</th>
<th>INSTRUCTOR</th>
<th>CLASS TIME</th>
<th>CLASS DAYS</th>
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<td>06/22/2009</td>
<td>07/27/2009</td>
<td>SCOTT CW</td>
<td>04:30pm-06:45pm</td>
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<td>PE M24D</td>
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<td>08/06/2009</td>
<td>MCCARTHY R</td>
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<td>G-143</td>
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<td>PREREQUISITE: PEM 24C or varsity high school experience.</td>
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<td>PE M25D</td>
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<tr>
<td>PHSC M01</td>
<td>Principles of Physical Science Laboratory</td>
<td>06/22/2009</td>
<td>07/27/2009</td>
<td>BECHT B</td>
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<td>PREREQUISITE: MATH M03 or equivalent.</td>
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<td>PE M60B</td>
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<td>08/04/2009</td>
<td>ROCHETTE J</td>
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<td>G-SCFD</td>
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<tr>
<td>RECOMMENDED PREPARATION: Understanding of soccer skills, rules and strategies and the ability to work with other students.</td>
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**PHYSICS**

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<th>END DATE</th>
<th>INSTRUCTOR</th>
<th>CLASS TIME</th>
<th>CLASS DAYS</th>
<th>LOCATION</th>
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<td>07/13/2009</td>
<td>MEYER HF</td>
<td>04:00pm-06:15pm</td>
<td>MTWTh</td>
<td>PS-207</td>
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<td>PHYS M10AL</td>
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<td>07/13/2009</td>
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<tr>
<td>PREREQUISITE: MATH M06 OR MATH M07</td>
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<td>PHYS M20A</td>
<td>05/26/2009</td>
<td>07/13/2009</td>
<td>MEYER HF</td>
<td>09:00am-11:15am</td>
<td>MTWTh</td>
<td>PS-204</td>
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<td>RECOMMENDED PREPARATION: PHYS M10A or high school physics and MATH M25B, or taken concurrently.</td>
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**PHYSIOLOGY**

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<th>CLASS DAYS</th>
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<tr>
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<td>PREREQUISITE: CHEM M12 or equivalent or high school chemistry and BIOL M01 or BIOL M02A or equivalent.</td>
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<td>PHYS M01</td>
<td>05/26/2009</td>
<td>07/27/2009</td>
<td>CHEROSKE AG</td>
<td>20.00 HRS/WK</td>
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<td>NOTE: CRN 54933 is an online course. Students will be required to be on campus for two (2) of the five (5) exams. The on-campus exams will occur Wednesday, 6/17/09 and Thursday, 7/2/09 at 8:00 p.m. All other sessions, both lecture and lab, will be delivered online. Lectures are available via archived audio/video Powerpoint presentations. Students will be responsible for completing weekly computer-based lab exercises on their own. Live online office hours will occur biweekly on Tuesdays and Thursdays at 8 p.m. via the CCC Confer conferencing system. Students intending to register in this course should contact Prof. Cherokee at <a href="mailto:achereske@vcccd.edu">achereske@vcccd.edu</a> to ensure they have access to the computer requirements for the course and to receive introductory course information.</td>
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Some class offerings and room assignments may have changed since printing this schedule. Please see the web for the most up to date class schedule at: http://students.vcccd.edu/scheds.htm.
POLITICAL SCIENCE

POLIS M01  Introduction to Politics ................................................................. 3.00 Units

POLIS M03  American Government and Politics ........................................... 3.00 Units

OTHER: Students cannot complete both POLIS M03 and POLIS M03H (Honors) courses because credit will only be awarded to the first course completed.

PSYCHOLOGY

PSY M01  Introduction to Psychology .......................................................... 3.00 Units

OTHER: Students cannot complete both PSY M01 and PSY M01H (Honors) courses because credit will only be awarded to the first course completed.
### Summer 2009

#### RADIOLOGY TECHNOLOGY

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<th>COURSE#</th>
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<tr>
<td>53390</td>
<td>07/06/2009</td>
<td>07/29/2009</td>
<td>LENAHAN J</td>
<td>13.00 HRS/WK</td>
<td>ARR</td>
<td>WEB</td>
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NOTE: CRN 53390 is an online class beginning 7/6/09 and ending 7/29/09. Please log into the course via Webstar by going to the following URL: http://students.vcccd.edu/webstar.htm. For additional information about the course, e-mail the instructor at jelenahan@yahoo.com. Moorpark College Open Access Computer Lab is available to students who need access to a computer and the internet.

#### PSY M02 Introduction Behavioral Neuroscience

**3.00 Units**

**PREREQUISITE:** PSY M01 or PSY M01H

**OTHER:** Students cannot complete both PSY M01 and PSY M01H (Honors) courses because credit will only be awarded to the first course completed.

#### PSY M04 Child Psychology

**3.00 Units**

#### PSY M05 Social Psychology

**3.00 Units**

#### PSY M07 Developmental Psychology (Life Span)

**3.00 Units**

#### PSY M20 Intimacy, Relationships, and Commitment

**3.00 Units**

#### RADIO/TV

<table>
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<th>CLASS DAYS</th>
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Some class offerings and room assignments may have changed since printing this schedule. Please see the web for the most up to date class schedule at: http://students.vcccd.edu/scheds.htm.
Summer 2009

New, easy on-line payment plan - eCASHIER
See page 147 for more information or visit WebSTAR at www.vcccd.edu/webstar

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**SIGN LANGUAGE**

<table>
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<th>COURSE#</th>
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<td>52808</td>
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<td>SX-4</td>
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**SOCIOLOGY**

**SOC M01** Introduction to Sociology 3.00 Units

Other courses cannot complete both SOC M01 and SOC M01H (Honors) courses because credit will only be awarded to the first course completed.

<table>
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<tr>
<th>COURSE#</th>
<th>START DATE</th>
<th>END DATE</th>
<th>INSTRUCTOR</th>
<th>CLASS TIME</th>
<th>CLASS DAYS</th>
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</tr>
</thead>
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<tr>
<td>53330</td>
<td>05/26/09</td>
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<td>MCDILL LG</td>
<td>08:00am-11:15am</td>
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<td>HSS-205</td>
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<tr>
<td>53340</td>
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<td>08/05/09</td>
<td>MCDILL LG</td>
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<td>ARR TV</td>
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</table>

NOTE: CRN 53340 is instruction delivered through televideo programming. DVD/VHS, text and materials can be purchased at the Bookstore. Only three on campus class meetings are required: Orientation*, midterm, and final. Orientation includes an explanation of the syllabus, course objectives, review of assignments, and suggested strategies for success. ORIENTATION: Wednesday, 6/17/09 from 7:00-9:00pm in PS-115. MIDTERM: Wednesday, 7/15/09 from 7:00-9:00 pm in PS-115. FINAL: Wednesday, 8/5/09 from 7:00-9:00 pm in PS-115. Instructor contact information is mcdilll@vcccd.edu. *For those unable to attend the on campus orientation, an on-line orientation may be completed by going on-line to Webstar, log-in, select “WebCT/BlackboardVista” and launch WebCT Vista. Select corresponding course listing.

<table>
<thead>
<tr>
<th>COURSE#</th>
<th>START DATE</th>
<th>END DATE</th>
<th>INSTRUCTOR</th>
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<td>MW</td>
<td>FH-213</td>
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<td>ARR TV</td>
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NOTE: CRN 53326 is an on-line course beginning 6/22/09 and ending 7/27/09. Please log into the course via Webstar by going to the following URL: http://students.vcccd.edu/webstar.htm. For additional information about the course, e-mail the instructor at cbarnett@vcccd.edu. Moorpark College Open Access Computer Lab is available to students who need access to a computer and the internet.

**SOC M02** Social Problems 3.00 Units

<table>
<thead>
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<th>COURSE#</th>
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<th>END DATE</th>
<th>INSTRUCTOR</th>
<th>CLASS TIME</th>
<th>CLASS DAYS</th>
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</table>
| 53400   | 05/26/09   | 07/02/09 | FRELATOLO CM | 08:00am-11:15am| MTWTh      | ARRV IST |}

NOTE: CRN 53400 is an on-line course beginning 5/26/09 and ending 7/02/09. Please log into the course via Webstar by going to the following URL: http://students.vcccd.edu/webstar.htm. For additional information about the course, contact the instructor at cbarnett@vcccd.edu. Moorpark College Open Access Computer Lab is available to students who need access to a computer and the internet.

**SOC M04** Intimacy, Relationships and Commitment 3.00 Units

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<tr>
<th>COURSE#</th>
<th>START DATE</th>
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<th>INSTRUCTOR</th>
<th>CLASS TIME</th>
<th>CLASS DAYS</th>
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| 53342   | 06/16/09   | 08/04/09 | BARNETT-SHELBY| 08:00am-11:15am| MTWTh      | ARRV IST |}

NOTE: CRN 53342 is instruction delivered through televideo programming. DVD/VHS, text and materials can be purchased at the Bookstore. Only three class meetings on campus are required: Orientation*, midterm, and final. Orientation includes an explanation of the course syllabus, course objectives, review of assignments, and suggested strategies for success. ORIENTATION: Tuesday, 6/16/09 from 5:00-7:00 pm in PS-115. MIDTERM: Tuesday, 7/7/09 from 5:00-7:00 pm in PS-115. FINAL: Tuesday, 8/4/09 from 5:00-7:00 pm in PS-115. Instructor contact information is cbarnett@vcccd.edu. *For those unable to attend the on-campus orientation, an on-line orientation may be completed by going on-line to Webstar, log-in, select “WebCT/BlackboardVista” and launch WebCT Vista. Select the corresponding course listing.

**SOC M05** Social Psychology 3.00 Units

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**SOC M15** Introduction to Criminology 3.00 Units

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### WORK EXPERIENCE

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### THEATRE ARTS

**THA M01 Introduction to the Theatre**

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**THA M10 Theatre Production: Acting**

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**THA M11 Theatre Production: Technical**

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### WORK EXPERIENCE

**WEXP M20 Occupational Work Experience**

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**WEXP M20 Occupational Work Experience**

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**WEXP M20 Occupational Work Experience**

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**WEXP M20 Occupational Work Experience**

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**WEXP M20 Occupational Work Experience**

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### SPEECH (SEE COMMUNICATION STUDIES)
COURSE DESCRIPTIONS

PREREQUISITES, COREQUISITES & OTHER CONDITIONS

Prerequisites for Mathematics and English will be enforced prior to registration. Students who have completed courses at another college or at the high school level that could be equivalent to the prerequisites needed to register for courses at Moorpark College should have official transcripts sent to the Counseling Office to expedite the review process. Students may also hand carry official (unopened) transcripts to the Counseling Office prior to registration. Transcripts must be reviewed by a counselor to verify college course equivalencies and to determine how high school courses meet the stated prerequisites. Additional documentation may also be required such as a course outline of a previously completed course. After review by a counselor a Prerequisite for Course Equivalency Form can be completed and signed and submitted to the Admissions and Records Office at the time of registration for the desired course. Students who believe they have met the prerequisite in ways other than through completing an equivalent course may file a Petition to Challenge. The petition outlines the specific reasons students may give for challenging a prerequisite or corequisite. Petition to Challenge forms and instructions are available from a counselor in the Administration Building.

IMPORTANT DEFINITIONS

PREREQUISITE: Courses that must be completed with a grade of "C" or better prior to registration in a specific course.
COREQUISITE: A course a student is required to take simultaneously in order to enroll in another specific course.
RECOMMENDED PREPARATION: Courses that should be completed prior to or in conjunction with a specific course.
OTHER: Other conditions/restrictions for enrollment such as mandatory field trips.

ANATOMY

ANAT M01 Human Anatomy __________________________________________________________4.00 Units
PREREQUISITE: BIOL M01 or BIOL M02A or equivalent.
Examines the anatomy of human organs and organ systems from a functional perspective that focuses on an understanding of the design of the human body. In laboratory students learn to distinguish tissue types through histological specimens, and study the three-dimensional relationship of body structures through required non-human mammalian dissection. Demonstrations on human cadavers will afford students a working knowledge of the gross anatomy of the human body. Transfer credit: CSU; UC maximum credit allowed - one course if combined with ANPH M01, M01L.

HUMAN ANATOMY AND PHYSIOLOGY

ANPH M01 Human Anatomy & Physiology ___________________________________________5.00 Units
PREREQUISITE: BIOL M01 OR BIOL M02A
Introduces the structures and the relationships of human body parts and explores how the functioning of the parts is related to their structure. The combined study of anatomy and physiology allows students to effectively integrate the study of structure with functioning of the system. The themes of hierarchal structural organization and maintenance of homeostasis form the framework for the study of the human system at both macroscopic and microscopic levels. Laboratory activities examine the structure/function relationship through the required dissection of a cat. A human cadaver is used to demonstrate the principles in the human body. Applies to Associate Degree. Transfer credit: CSU; UC maximum credit allowed one course if combined with ANAT M01 or PHSO M01.

ANIMAL SCIENCE

ANSC M02 Animal Health and Safety ________________________________________________3.00 Units
Introduction to the study of animal behavior with an emphasis on learning theory, especially classical and operant conditioning. Designed to provide the student with an understanding of how to apply the concepts of ethology and behavior modification to the maintenance and training of animals in captivity. (Formerly EATM M02) Applies to Associate Degree. Transfer credit: CSU.

ANSC M04 Animal Behavior __________________________________________________________3.00 Units
Introduction to the study of animal behavior with an emphasis on learning theory, especially classical and operant conditioning. Designed to provide the student with an understanding of how to apply the concepts of ethology and behavior modification to the maintenance and training of animals in captivity. (Same course as PSY M12) Applies to Associate Degree. Same course as PSY M12.

ANSC M04L Animal Behavior Lab ______________________________________________________ 0.50 Unit
CO-REQUISITE: ANSC M04 or PSY M12
This course consists of laboratory activities giving the student opportunities to develop skills in behavior modification and observational research. Each student will be required to train a rat and conduct an observational research project on captive animals. (Same course as PSY M12) Applies to Associate Degree Transfer credit: CSU.

Some class offerings and room assignments may have changed since printing this schedule.

Please see the web for the most up to date class schedule at: http://students.vcccd.edu/scheds.htm.
ANSC M06 Animal Anatomy/Physiology 3.00 Units
An introduction to the science of veterinary medicine as it applies to mammals, birds and reptiles. The course presents a practical system-by-system approach to the basic structure (anatomy) and function (physiology) of the previously mentioned groups. (Formerly EATM M06). Applies to Associate Degree. Transfer credit: CSU.

ANSC M07 Animal Diversity 3.00 Units
CO-REQUISITE: ANSC M07L
Introductory survey of invertebrate and vertebrate animals, both terrestrial and marine. Topics covered include classification, general characteristics, adaptations, animal recognition, evolutionary history, and basic concepts of ecology and conversation. Applies to Associate Degree.

ANSC M07L Animal Diversity Lab 0.50 Unit
CO-REQUISITE: ANSC M07
This introductory laboratory course surveys the invertebrate and vertebrate animals, both terrestrial and marine. The focus will be on animal recognition, general characteristics and behavior through animal observations. Observations will be made of live animals in America's Teaching Zoo, as well as on video. Additional species will be presented in photographic slides. Applies to Associate Degree. Transfer credit: CSU; pending.

ANSC M08 Wildlife Conservation 3.00 Units
RECOMMENDED PREPARATION: ANSC M07
Designed to assist students in developing awareness, knowledge, skills, and commitment that will result in informed decisions, responsible behavior and constructive actions concerning wildlife and the environment. Topics will include awareness and appreciation of wildlife, human values and wildlife, wildlife conservation, cultural and social interaction with wildlife, wildlife issues and responsible human actions. Applies to Associate Degree. Transfer credit: CSU; pending.

ANTH M11 Avian and Reptile Care 1.00 Unit
The anatomy, physiology, husbandry and veterinary care of Avian and Reptilian species. (Formerly EATM M24) Applies to Associate Degree.

ANTH M60BL Primate Behavior Laboratory 1.00 Unit
Observation and analysis of primate behavior at America's Teaching Zoo. Activities include the application and evaluation of operant conditioning and environmental enrichment techniques specific to primates. May be taken for a maximum of two (2) times. Applies to Associate Degree.

ANTHROPOLOGY

ANTH M01 Biological Anthropology 3.00 Units
OTHER: Students cannot complete both ANTH M01 and ANTH M01H (Honors) courses because credit will only be awarded to the first course completed. Provider approved by the California Board of Registered Nursing. Provider number CEP28111 for 45 contact hours.
Introduces the scientific method as used in the study of humans as biological organisms. Focuses on human evolution and diversity, including genetics, evolution, primatology, paleoanthropology, human variation, and biocultural adaptation. Students completing this course will understand how humans relate to other living organisms, and how the tools of science are used to reconstruct the past history of our species. Applies to Associate Degree. Transfer credit: CSU; UC.

ANTH M01L Physical Anthropology Lab 1.00 Unit
PREREQUISITE: Completion of or concurrent enrollment in ANTH M01
Provides hands-on understanding of principles of evolution and genetics. Covers comparative vertebrate anatomy, modern and fossil hominids, primatology, variation in modern human populations, medical genetics and adaptability. Introduces molecular biological methods. Applies to Associate Degree. Transfer credit: CSU; UC.

ANTH M02 Cultural Anthropology 3.00 Units
OTHER: Provider approved by the California Board of Registered Nursing. Provider number CEP2811 for 45 contact hours.
Focuses on basic concepts and methods for analyzing cultural systems, illustrated with examples drawn largely from non-Western societies. Emphasis will be on the structure and evolution of human behavior in all major aspects of culture. Applies to Associate Degree. Transfer credit: CSU; UC.

ANTH M03 Archaeology 3.00 Units
This course is an introduction to the history, goals and methods of archaeology. Emphasis will be placed on methods of interpreting and dating the prehistoric past through the rise of complex societies. Special emphasis will be placed on the archaeology of the New World and Ventura County in particular. Applies to Associate Degree. Transfer credit: CSU; UC.

ANTH M04 Chicano Culture 3.00 units
Focuses on the social and cultural heritage of the Middle American Chicano civilizations from the Spanish conquest to the present, emphasizing contributions in the fine arts, literature, and oral history. (Same course as CHST M02.) Provider approved by the California Board of Registered Nursing, provider number CEP2811 for 45 contact hours. Transfer credit: CSU; UC.

ANTH M07 Peoples and Cultures of the World 3.00 Units
OTHER: Provider approved by the California Board of Registered Nursing, provider number CEP2811 for 45 contact hours.
Considers the differences between and the commonalities among several human sociocultural groups. A variety of theoretical orientations and topical foci will be utilized. Case studies of individual cultures will be used to discuss these cultures and understand ethnographic methodologies, while comparisons of these cultures will provide an introduction to the cross-cultural perspective Transfer credit: CSU; UC.

ANTH M11 Magic Witchcraft and Religion 3.00 Units
Introduces the scientific method as used in the study of humans as biological organisms. Focuses on human evolution and diversity, including genetics, evolution, primatology, paleoanthropology, human variation, and biocultural adaptation. Students completing this course will understand how humans relate to other living organisms, and how the tools of science are used to reconstruct the past history of our species. Transfer credit: CSU; UC.

ANTH M12 Archaeological Laboratory Procedures 3.00 Units
PREREQUISITE: ANTH M03
This course is an actual hands-on experience working with archaeological collections. Students will be taken through initial processing, sorting, washing, stabilizing and final cataloging of an excavation collection. This will be followed by detailed analysis of one aspect of the collection. May be taken four (4) times for credit. Applies to Associate Degree. Transfer credit: CSU; UC.

New, easy on-line payment plan - eCASHIER
See page 147 for more information or visit WebSTAR at www.vcccd.edu/webstar

101
ART M40 Beginning Illustration 3.00 Units

ART M41 Intermediate Illustration 3.00 Units

ART M42 Advanced Illustration 3.00 Units

ART M43 Beginning Life Drawing II 3.00 Units

ART M44 Advanced Life Drawing II 3.00 Units

ANTH M60I Chumash and Their Neighbors 3.00 Units

This will be an in depth look at the Chumash, the major aboriginal population to occupy Ventura County in pre-Contact times. Major consideration will be given to their social, political, and economic structure and to their relations with their aboriginal neighbors and the late Spanish Colonial establishments. Transfer credit: CSU; UC credit limitations.

ARBC M01 Elementary Arabic I 4.00 Units

Introduces modern standard Arabic language, culture, history and people, emphasizing speaking, understanding, reading, and writing skills. Requires individualized work in the language laboratory. Applies to Associate Degree. Transfer Credit: CSU; UC.
ART M43  Beginning Painting I  3.00 Units
PREREQUISITE: ART M30 or ART M20
Introduces the nature of structural and expressive values in contemporary painting, emphasizing form, control or pictorial order, and the uses of color and light as fundamental skills necessary to mastery of basic painting techniques. (Formerly ART M16A). Applies to Associate Degree. Transfer credit: CSU; UC.

ART M44  Beginning Painting II  3.00 Units
PREREQUISITE: ART M43
Continues the developments of fundamental painting skills and concepts. Emphasizing technical competence and individual concepts using both traditional and modern materials. (Formerly ART M16B). Applies to Associate Degree. Transfer credit: CSU; UC.

ART M45  Advanced Painting I  3.00 Units
PREREQUISITE: ART M33
One-on-one student/teacher relationship explores advanced painting concepts and techniques. Encourages personal and unique self-expression through experimentation with and interpretation of subject matter. (Formerly ART M16C). Applies to Associate Degree. Transfer credit: CSU; UC.

ART M46  Advanced Painting II  3.00 Units
PREREQUISITE: ART M45
Allows more advanced work with painting concepts and techniques aimed at developing more extensive self-expression. (Formerly ART M16D) Applies to Associate Degree. Transfer credit: CSU; UC.

ART M47  Landscape Painting I  3.00 Units
PREREQUISITE: ART M20 or ART M30
Introduces painting skills and concepts applicable to landscape (both indoor and outdoor). Focuses on painting nature out of doors in various mediums, such as acrylics, oils, watercolor, and pastels. (Formerly ART M17A) Applies to Associate Degree. Transfer credit: CSU; UC.

ART M48  Landscape Painting II  3.00 Units
PREREQUISITE: ART M47
Expands the skills and concepts of painting applicable to landscape, emphasizing a more personal, creative approach. (Formerly ART M17B) Applies to Associate Degree. Transfer credit: CSU; UC.

ART M49  Water Color I  3.00 Units
PREREQUISITE: ART M20 or ART M30
Introduces a thorough understanding of the watercolor media, building from simple exercises to more complex problems solved in personal and creative ways. (Formerly ART M18A) Applies to Associate Degree. Transfer credit: CSU; UC.

ART M50  Water Color II  3.00 Units
PREREQUISITE: ART M49
Offers advanced watercolor techniques, encouraging the use of the multiple images in both landscapes and still life. (Formerly ART M18B) Applies to Associate Degree. Transfer credit: CSU; UC.

ART M70  Beginning Ceramics I  3.00 Units
PREREQUISITE: Any ceramics course.
Introduces the potter’s wheel and provides practice in elementary clay construction methods as well as glazing and firing techniques. Teaches basic ceramic design concepts, form, color, texture, decoration and craftsmanship. (Formerly ART M09A) Applies to Associate Degree. Transfer credit: CSU; UC.

ART M71  Beginning Ceramics II  3.00 Units
PREREQUISITE: ART M70
Practices the techniques of elementary clay construction through exploration of sculptural forms and the development of glazes, decoration and firing methods. (Formerly ART M08B) Applies to Associate Degree. Transfer credit: CSU; UC.

ART M72  Ceramic Design I  3.00 Units
PREREQUISITE: ART M20 and ART M71
Explores clay bodies, glaze materials and calculations, and firing techniques through independent projects. Develops individual growth and creative expression. (Formerly ART M09A) Applies to Associate Degree. Transfer credit: CSU; UC.

ART M73  Ceramic Design II  3.00 Units
PREREQUISITE: ART M72
Offers in-depth study of ceramics through independent projects designed to enhance artistic mastery. (Formerly ART M09B) Applies to Associate Degree. Transfer credit: CSU; UC.

ART M77  Beginning Sculpture I  3.00 Units
PREREQUISITE: Any ceramics course.
Develops awareness for historical and contemporary concerns regarding three-dimensional design concepts. Encourages personal expression through materials such as paper, cardboard, plaster, wood, wire, and clay. (Formerly ART M19A) Applies to Associate Degree. Transfer credit: CSU; UC.

ART M78  Beginning Sculpture II  3.00 Units
PREREQUISITE: ART M77
Introduces print making media, including intaglio (etching, engraving, etc.) but emphasizing relief, collograph and embossed print. (Formerly ART M15A) Applies to Associate Degree. Transfer credit: CSU; UC.

ART M90  Beginning Printmaking I  3.00 Units
PREREQUISITE: ART M20
Fully explores intaglio techniques, including line etching, aquatint, sugar lift and experimental techniques. (Formerly ART M15B) Applies to Associate Degree. Transfer credit: CSU; UC.

ART M91  Beginning Printmaking II  3.00 Units
PREREQUISITE: ART M90
Expands work in intaglio and relief, emphasizing individual exploration of solutions and experimental techniques. Applies to Associate Degree. Transfer credit: CSU; UC.
ART M93  Advanced Printmaking II  3.00 Units  
**PREQUISITE: ART M92**  
Offers advanced work in intaglio with greater exploration of experimental techniques. Applies to Associate Degree. Transfer credit: CSU; UC.

ART M96  Airbrush Techniques I  3.00 Units  
Course covers learning airbrush techniques, the basics of airbrush illustration and photo retouching for advertising, commercial and industrial applications, and personal expression through airbrush and brush painting. (Same course as GR M50.) May be taken three (2) times for credit. Does not apply to Associate Degree.

ART M97  Airbrush Techniques II  3.00 Units  
**PREQUISITE: ART M96**  
This advanced course introduces various color applications and techniques, such as transparent dyes, transparent and opaque designer color. Techniques and treatments are presented along with various “Tricks of the trade.” (Same course as GR M51.) May be taken three (3) times for credit. Does not apply to Associate Degree.

AST M01  An Introduction to Astronomy  3.00 Units  
**RECOMMENDED PREPARATION MATH M01 or equivalent college course, or high school algebra**  
Surveys the origins, history, and accomplishments of the science of astronomy. Covers observational astronomy, light, telescopes, the solar system, stars, galaxies, and cosmology. Applies to Associate Degree. Transfer Credit: CSU; UC.

AST M01L  An Introduction to Astronomy Laboratory  1.00 Unit  
PREREQUISITE: AST M01 or AST M02 completion or concurrent enrollment in AST M01 or AST M02  
Reinforces principles and techniques of astronomy through the use of telescopes, star charts, and other common devices to observe and measure the moon, the planets, and the stars. Applies to Associate Degree. Transfer credit: CSU; UC.

AST M02A  General Biology I  5.00 Units  
**PREREQUISITES: MATH M03 or 2 years of high school algebra or equivalent and CHEM M12 or high school chemistry all with a grade C or better**  
First semester of general biology for majors. Introduces students to major biological themes and principles that are fundamental to an understanding of life processes in any field of biology today. Topics covered include the scientific process, biological chemistry, cellular biology, metabolism, life cycles, genetics, molecular biology, DNA technology, developmental genetics, and evolutionary processes. Students completing this course are prepared for the more advanced courses offered by the department. Applies to Associate Degree. Transfer credit: CSU; UC.

BIOL M01  Introduction to Biology  4.00 Units  
OTHER: Majors in biology or related areas enroll in BIOL M02A. Health Science (pre-nursing) strongly recommended to take BIOL M02A  
Introduces non-majors to science and scientific methodology through a study of the basic principles of biology. Course focuses on student understanding of the unity and diversity of life through discussions of topics that include biological chemistry, metabolism, cell biology, molecular biology, genetics, evolution of living systems, and ecology. Woven throughout the course are the implications of the science of biology on human affairs. Applies to Associate Degree. Transfer credit: CSU; UC.

BIOL M02A  General Biology I  5.00 Units  
**PREREQUISITES: MATH M03 or 2 years of high school algebra or equivalent and CHEM M12 or high school chemistry all with a grade C or better**  
Second semester of general biology for majors. Covers the diversity and functioning of living systems. Topics covered include origins of life, biological diversity, animal form and function, and ecology. Students completing this course will have an appreciation of the broad diversity of life forms on the planet, a basic understanding of physiological processes in animals, and an introduction to how organisms interact with their environment and each other in ecosystems. Applies to Associate Degree. Transfer Credit: CSU; UC.

BIOL M02C  Genetics and Molecular Biology  5.00 Units  
**PREREQUISITE: BIOL M02A and CHEM M12**  
An extension of the genetics, molecular and cell biology introduced in BIOL M02A. Inheritance and macromolecular functioning are the focus of the course. Course emphasizes data analysis and problem-solving skills. Topics include analysis of inheritance patterns, structure and expression of DNA in viruses, bacteria, and eukaryotes, regulation of gene expression, RNA and protein functioning, and examination of current DNA analysis technologies and their applications. Applies to Associate Degree. Transfer Credit: CSU; UC.

BIOL M03  Marine Life and Its Environment  4.00 Units  
Survey of marine life from microbiota through macroscopic algae and animals, including both invertebrate and vertebrate. Applies basic ecological principles to various marine ecosystems, both inshore and offshore, with an emphasis on the integration of biotic communities with the abiotic environment. Considers human impact on and uses of marine environments. Requires field trips to various marine venues as determined by instructor. Applies to Associate Degree. Transfer credit: CSU; UC.

BIOL M11A  Introduction to Biotechnology and Molecular Biology I  5.00 Units  
Examines the role of molecular biology in the manufacturing of commercial pharmaceutical and agricultural products. Introduces basic biotechnology laboratory skills, including documentation, safety, and solution and buffer preparation. Develops proficiency in aspecfic technique, spectrophotometry, and electrophoresis. Same course as BIOT M01A. Applies to Associate Degree. (Same course as BIOT M01A). Applies to Associate Degree. Transfer Credit: CSU; UC.

BIOL M12A  Environmental Control and Process Support  2.00 Units  
**CO-REQUISITE: BIOT M02A**  
Skills training in Industrial Biotechnology with emphasis on manufacturing of pharmaceuticals. Presents an overview of the manufacturing process and introduces environmental control and process support with a focus on Good Laboratory Practices (GLP) Good Manufacturing Practices (GMP), clean room procedures, monitoring techniques, and required documentation. Applies to Associate Degree. Transfer Credit: CSU; UC.

BIOL M12C  Manufacturing Cell Culture and Microbial Fermentation  3.00 Units  
Skills training in Industrial Biotechnology with emphasis on manufacturing pharmaceuticals. Introduces cell culture and microbial fermentation. Focuses on bacterial techniques, microbial assessment, mammalian cell culture, bioreactor fermentation, and media preparation. Compares small and large industrial scale cell culture. (Same course as BIOT M02C). Applies to Associate Degree. Transfer Credit: CSU.

Please see the web for the most up to date class schedule at: http://students.vcccd.edu/scheds.htm.
Biol M16 Human Biology 3.00 Units
Introduces the biology of humans covering basic cell structure, organ systems, inheritance, reproduction, development and aging, disease process, and human evolution and ecology. Explores biology as a scientific endeavor and analyzes the functioning of the human body both as an integrated system and as a part of the ecosystem with special attention to physiological structure and function. Emphasizes acquisition of knowledge needed to make intelligent decisions on bioethical issues that face society. Applies to Associate Degree. Transfer credit: CSU; UC.

Biotechnology

Biot M01A Introduction to Biotechnology and Molecular Biology I 4.00 Units
Examines the role of molecular biology in the manufacturing of commercial pharmaceutical and agricultural products. Introduces basic biotechnology laboratory skills, including documentation, safety, and solution and buffer preparation. Develops proficiency in ascept technique, spectrophotometry, and electrophoresis. (Same course as BIOL M11A) Applies to Associate Degree. Transfer credit: CSU; UC.

Biot M02A Environmental Control and Process Support 2.00 Units
Skills training in Industrial Biotechnology with emphasis on manufacturing of biopharmaceuticals. Presents an overview of the manufacturing process and introduces environmental control and process support with a focus on Good Laboratory Practices (GLP)/Good Manufacturing Practices (GMP), clean room procedure, monitoring techniques, and required documentation. (Same course as BIOL M12A). Applies to Associate Degree. Transfer credit: CSU.

Biot M02C Manufacturing Cell Culture and Microbial Fermentation 2.00 Units
Provides skills training in Industrial Biotechnology with emphasis on manufacturing pharmaceuticals. Introduces cell culture and microbial fermentation. Focuses on bacterial techniques, microbial assessment, mammalian cell culture, bioreactor fermentation, and media preparation. Compares small and large industrial scale cell culture. (Same course as BIOL M12C) Applies to Associate Degree. Transfer credit: CSU.

Biot M50A Bridge to Biotechnology 0.50 Unit
Designed as a bridge for entry-level and high school students who are interested in the field of biotechnology. Includes practical, hands-on experience with current biotechnology laboratory techniques. (Same course as BIOT M50A).

Botany

Bot M06 Plants and Society 3.00 Units
Introduces basic concepts related to plant structure, function, genetics, evolution, and domestication. Examines the economic, aesthetic, and ecological roles of plants, and considers the role of plants as a force in shaping civilizations. Stresses the importance of plants and plant products in everyday life, as well as their ritualistic and pharmacological uses. Presents basic scientific principles and techniques using examples from plants and their products to gain an understanding of science and its value in today’s society. Applies to Associate Degree. Transfer credit: UC.

Bot M05L Plants and Society Laboratory 1.00 Unit
Focuses on plant structure and function and studies some of the major plant products used in everyday life, such as starches, oils, fibers, spices and medicines. Surveys the major groups of economically important plants, including cereals, legumes, squash and others; and reviews the principles of genetics, evolution, and plant systems. Introduces students to basic scientific principles and techniques using examples from plants and plant products. Applies to Associate Degree. Transfer credit: UC.

Business

Bus M01A Accounting Procedures I 3.00 Units
RECOMMENDED PREPARATION: MATH M09 and BUS M28 or ENGL M02
Covers the fundamentals of double-entry bookkeeping and the debit/credit method of recording transactions. Includes the full bookkeeping cycle from recording transactions to preparing financial statements. Emphasizes service enterprises operating as sole proprietorships. Required course for the Accounting Procedures Certificate of Achievement. Applies to Associate Degree.

Bus M01B Accounting Procedures II 3.00 Units
PREREQUISITE: BUS M01A
Continues the fundamentals of double-entry bookkeeping and the debit/credit method of recording transactions. Emphasizes merchandising enterprises operating as sole proprietorships. Includes purchases and sales of merchandise, inventory adjustments in both periodic and perpetual inventory systems, financial statements for merchandising enterprises, and expenditures for plant and equipment. Applies to Associate Degree.

Bus M02A Financial Accounting I 3.00 Units
RECOMMENDED PREPARATION: BUS M01A and BUS M30 and MATH M09 and BUS M28 or ENGL M02
OTHER: Complies with the California IMPAC (Intersegmental Major Preparation Articulated Curriculum) Project Accounting Committee recommendations.
Examines financial accounting from both user and preparer perspectives, emphasizing public corporations. Explores what accounting is, why it is important, how it is used in making business decisions, and how to record and present information. Focuses on operating activities. Covers the accounting cycle, classified financial statements, information systems, internal control, and ethical issues. Applies to Associate Degree. Transfer credit: CSU; UC (BUS M02A combined with BUS M02B: maximum credit, one course).

Bus M02B Financial Accounting II 3.00 Units
PREREQUISITE: BUS M02A
Continues examining financial accounting related primarily to public corporations. Focuses on investing and financing activities. Explores long-term asset acquisition/use, short and long-term debt, stockholders' equity, intercompany investments, preparation and use of the Statement of Cash Flows, and financial statement analysis. Complies with the California IMPAC (Intersegmental Major Preparation Articulated Curriculum) Project Accounting Committee Recommendations. Applies to Associate Degree. Transfer credit: CSU; UC (BUS M02B combined with BUS M02A: maximum credit, one course).

Bus M02C Managerial Accounting 3.00 Units
PREREQUISITE: BUS M02A and BUS M02B
OTHER: BUS M02B may be taken concurrently
Examines how managers use accounting information in decision making. Focuses on cost terms and concepts, methods of accounting for manufacturing costs, cost behavior and estimation, cost analysis (including cost-volume-profit analysis), cost control, budgeting, variance analysis, and responsibility accounting. Complies with the California Core Competency Model for the First Course in Accounting developed by the California Society of Certified Public Accountants Committee on Accounting Education. Applies to Associate Degree. Transfer credit: CSU; UC.

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CHEMISTRY

CHEM M01A  General Chemistry I  5.00 Units

RECOMMENDED PREPARATION: MATH M03 or equivalent college course.

CHEM M12  equivalent college course or one year of high school chemistry.

Study of atomic theory and stoichiometry; nomenclature and chemical reactions; thermochemistry; quantum theory and electronic structure of atoms; chemical bonding and molecular structure; physical behavior of gases; states of matter and phase equilibria; and solutions. Laboratory activities address spectroscopy, distillations; qualitative analysis; titrations; thermo chemistry; gravimetric and volumetric analyses; and colligative properties. Applies to Associate Degree. Transfer credit: CSU; UC.

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Associate Degree. Transfer credit: CSU; UC.

Focuses on the appropriate use of assessment strategies to document growth, play, and learning to join with families in promoting children's understandings about children to inform teaching practice. Explores anecdotal records, rating systems, and multiple assessment strategies. Provides a framework to introduce assessment of children in early childhood settings through observation of children at play using reaction mechanisms, synthesis, and structure determination using nuclear magnetic resonance and infrared spectroscopy. Also introduces aspects of biochemistry including the study of proteins, carbohydrates, and nucleic acids. Laboratory experience involves multi-step synthetic routes, chromatography, and applications of basic techniques. Applies to Associate Degree. Transfer Credit: CSU; UC.

Continues the study of functional groups such as carboxylic acids and their derivatives: carbonyls, amines and aromatics. Emphasizes reaction mechanisms, synthesis, and structure determination using nuclear magnetic resonance and infrared spectroscopy. Also introduces aspects of biochemistry including the study of proteins, carbohydrates, and nucleic acids. Laboratory experience involves multi-step synthetic routes, chromatography, and applications of basic techniques. Applies to Associate Degree. Transfer Credit: CSU; UC.

A survey of the American experience from colonial beginnings to the present, emphasizing the history of Mexican Americans. Examines contributions in the fine arts, literature, and oral history. (Same as course as ANTH M04) Applies to Associate Degree. Transfer Credit: CSU; UC.

Focus on molecular structure, chemical and physical properties, and the preparation and reactivity of organic molecules with an emphasis on reaction mechanisms, synthesis, structure determination and applications. Laboratory experience involves the appropriate methods, techniques, and instrumentation for the synthesis, purification and identification of organic compounds discussed in the lecture portion. (This is the first semester of a one-year course to fulfill the organic chemistry requirements of those majors requiring a full year of organic chemistry.) (CHEM M07A and CHEM M08/M08L combined: maximum credit, 6 units) Applies to Associate Degree. Transfer Credit: CSU; UC.

Continues the study of functional groups such as carboxylic acids and their derivatives: carbonyls, amines and aromatics. Emphasizes reaction mechanisms, synthesis, and structure determination using nuclear magnetic resonance and infrared spectroscopy. Also introduces aspects of biochemistry including the study of proteins, carbohydrates, and nucleic acids. Laboratory experience involves multi-step synthetic routes, chromatography, and applications of basic techniques. Applies to Associate Degree. Transfer Credit: CSU; UC.

COURSE DESCRIPTION

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CD M04L Observation and Assessment Lab 0.50 Unit
PREREQUISITE: Requires proof of negative TB clearance
RECOMMENDED PREPARATION: CD M02
CO-REQUISITE: CD M04

Analysis of child behavior in a designated child development center through direct observation or equivalent multimedia. Applies observation techniques presented in the Observation and Assessment course to early childhood teaching practices. Requires use of specific observation tools to observe children’s development and their interactions with adults, children, materials, and activities leading to completion of a variety of observation formats. Applies to Associate Degree. Transfer credit: CSU.

CD M05 Equity Issues in ECE 3.00 Units

Applies to Associate Degree. Transfer credit: CSU.

CD M07 Music in ECE 3.00 Units

Introduces creative movement, dance, rhythm, and song as essential components of the physical, social, emotional, creative and cognitive development of young children. Focuses on critical analysis of developmentally appropriate activities and appreciation of diversity. Encourages integration and application of music throughout the curriculum. Applies to Associate Degree. Transfer credit: CSU.

CD M08 Art in ECE 3.00 Units

RECOMMENDED PREPARATION: CD M02

Provides a study of the importance of art in the young child’s educational experience and introduces developmentally appropriate art curriculum. Reviews art as an essential component of physical, social, emotional, creative and cognitive growth. Focuses on integration, presentation and evaluation of art activities, media and resources throughout the curriculum. Applies to Associate Degree. Transfer Credit: CSU.

CD M09 Science and Math in ECE 3.00 Units

Introduces theoretically sound and developmentally appropriate science and math curriculum. Emphasizes the facilitation of the inquiry approach to experiencing science and math as well as the development and evaluation of curricular materials. (Formerly CD M 53) Applies to Associate Degree. Transfer credit: CSU.

CD M10 Language Arts in ECE 3.00 Units

Introduces current research in children’s literature and language arts and demonstrates theoretical classroom applications. Emphasizes evaluation of developmentally appropriate experiences and materials that support literature as a tool allowing communication, creativity, and logical thinking. Applies to Associate Degree. Transfer credit: CSU.

CD M11 Programs: Preschool 3.00 Units

RECOMMENDED PREPARATION: CD M30

Reviews history and philosophies of preschool education, introducing developmentally appropriate practices, teacher’s role, learning theories, assessment, classroom environment and management, curriculum development and lesson plans. Applies to Associate Degree. Transfer: CSU.

CD M12 Student Teaching Practicum 2.00 Units

PREREQUISITE: CD M04 and CD M04L. Requires proof of negative TB clearance
CO-REQUISITE: CD M12L
RECOMMENDED PREPARATION: CD M02 and CD M11

Under supervision at a designated Child Development Center, students demonstrate early childhood teaching competencies, make connections between theory and practice, and develop professional behaviors. Requires hands-on application of procedures and practices presented in the Student Teaching Practicum course. Provides opportunity to implement and evaluate developmentally appropriate experiences that promote positive development and learning for young children. (May be taken a maximum of two (2) times for credit). Applies to Associate Degree. Transfer credit: CSU.

CD M12L Student Teaching Practicum Lab 1.00 Unit

PREREQUISITE: CD M04 and CD M04L. Requires proof of negative TB clearance
CO-REQUISITE: CD M12L
RECOMMENDED PREPARATION: CD M02 and CD M11

Under supervision at a designated Child Development Center, students demonstrate early childhood teaching competencies, make connections between theory and practice, and develops professional behaviors. Requires hands-on application of procedures and practices presented in the Student Teaching Practicum course. Provides opportunity to implement and evaluate developmentally appropriate experiences that promote positive development and learning for young children. (May be taken a maximum of two (2) times for credit). Applies to Associate Degree. Transfer credit: CSU.

CD M13 Practicum 3 – Preschool 3.00 Units

PREREQUISITE: CD M02, CD M04, CD M12 & M12L and requires proof of negative TB clearance

Expands knowledge of procedures and practices for teaching and assessing young children through guided student teaching in a Title 22 or Title 5 licensed preschool. Requires 56 hours per semester of student teaching in a community program. (Formerly CD M 39B) Applies to Associate Degree. Transfer Credit: CSU.

CD M16 Behavior Management 3.00 Units

RECOMMENDED PREPARATION: CD M02

Introduces characteristics of children with behavioral challenges and behavior management techniques. Difficult behaviors encountered by those working with children as well as techniques to cope and solve these behavior difficulties will be included. Applies to Associate Degree. Transfer credit: CSU.

CD M23 Health, Safety and Nutrition, Children 2.00 Units

RECOMMENDED PREPARATION: CD M02

OTHER: Provider approved by the California board of Registered Nursing. Provider number CEP2811 for 30 contact hours.

Introduces the laws, regulations, standards, policies and procedures and early childhood curriculum related to child health, safety, and nutrition. Identifies key components that ensure physical health, mental health and safety for both children and staff along with the importance of collaboration with families and health professionals. Focuses on integrating the concepts into everyday planning and program development for all children. Applies to Associate Degree. Transfer credit: CSU.

CD M24 Administration in ECE 3.00 Units

PREREQUISITE: CD M02, CD M11; and one of the following CD M06, CD M07, CD M08, CD M09, or CD M10

Introduces principles and practices of administering a child development program, emphasizing administrative needs; personnel and staffing parameters; parent/teacher relations and education; licensing requirements; professional development; specific personnel management skills; and communication. Course required by the Child Development Permit Site Supervisor (Title 5) and Program Director (Title 22). Applies to Associate Degree. Transfer credit: CSU.

Some class offerings and room assignments may have changed since printing this schedule. Please see the web for the most up to date class schedule at: http://students.vcccd.edu/scheds.htm.
CD M25  Administration in ECE – 2  3.00 Units
PREREQUISITE: CD M02, CD M03, CD M11 & one of the following: CD M06, CD M07, CD M08, CD M09, or CD M10 with a grade of C or better.
Focuses on establishing and managing a small business, with emphasis on planning, financing, staffing, marketing, site selection, budgeting, legal concerns, and regulatory issues. Considers the rewards and perils of owning a business. The Child Development Permit of Title 5 ECE/CD programs requires this course for Site Supervisors (Option 1) and Program Directors. (Same course as BUS M32) Applies to Associate Degree. Transfer credit: CSU.

CD M60A  Toddler Program  1.50 Units
Provides an environment to study and observe toddlers in a naturalistic setting. Focuses on adult-toddler relationships, developmental stages, issues, concerns, and developmentally appropriate practices. Registration of children for this class is done through the Child Development Center. All children must meet California immunization guidelines. May be taken four (4) times for credit. Applies to Associate Degree. Transfer credit: CSU.

CD M60N  Parent Conferencing  1.00 Unit
RECOMMENDED PREPARATION: CD M02
An introduction to effective conferencing techniques between parents, teachers or caregivers. The course includes the impact of significant adults in the lives of children and developing a positive working relationship. Applies to Associate Degree. Transfer credit: CSU.

CHINESE

CHIN M01  Elementary Chinese: Mandarin I  4.00 Units
Introduces Mandarin Chinese language, culture, history and people, emphasizing speaking, understanding, reading and writing skills. Requires individualized work in the language laboratory. Applies to Associate Degree Transfer Credit: CSU; UC.

COLLEGE

COL M01  College Strategies  3.00 Units
Develops each student’s comprehensive learning profile, applying it to the construction and implementation of educational, career and life goals. Emphasizes independent critical thinking skills, appropriate use of available resources and effective strategies for academic success. Provides opportunity for one-on-one work with faculty. Applies to Associate Degree. Transfer credit: CSU; UC.

COL M02  College Individual Tutoring  1.00 Unit
An introduction to the methods of individual tutoring with emphasis on learning theories and tutoring methodology. (Formerly ES M89A). Applies to Associate Degree. Transfer credit: CSU.

COL M05  Supervised Tutoring Across Curriculum  0.00 Unit
Individual and/or group tutoring designed to assist in reviewing course material and preparing for class assignments and tests. Does not apply to Associate Degree. Offered on a credit/no credit basis only.

COMMUNICATIONS (FORMERLY SPEECH)

COMM M01  Introduction to Speech  3.00 Units
Prepares students to be effective oral communicators in a public speaking context through instruction in basic communication theory, appropriate delivery skills, common organizational patterns, and thorough research techniques. Offers practical training in feedback and listening skills. (Formerly SPCH M01) Applies to Associate Degree Transfer Credit CSU; UC.

COMM M03  Voice and Diction  3.00 Units
Introduces theory and practice of voice control, emphasizing correct pronunciation, breathing control techniques, and regional and foreign dialects. Especially useful for those in theatre, forensics and broadcasting. May be taken for a total of two (2) times for credit. (Formerly SPCH M03) Applies to Associate Degree. Transfer Credit: CSU; UC.

COMM M04  Interpersonal Communication  3.00 Units
Provides an introduction to the dynamics of communication in one-to-one relationships, focusing on experience, behavior, and rules governing interpersonal contexts such as friendship, families, and employer-employee relations. Studies factors influencing communication are studied such as language, perception, non-verbal cues, listening, status and roles. Explores problems of communication and conflict resolution. Studies assertiveness and confidence in relating interpersonally through the communication process. (Formerly SPCH M04) Applies to Associate Degree Transfer Credit: CSU; UC.

COMM M10A  Forensics I  2.00 Units
Provides training, rehearsal, practice and performance necessary to succeed as a competitive speech team. Emphasises argumentation and debate, informative and persuasive speaking, and impromptu and extemporaneous speaking. Requires participation in interscholastic competition or community speaker’s bureau. (Formerly SPCH M10A) Applies to Associate Degree. Transfer credit: CSU.

COMM M10B  Forensics II  2.00 Units
Provides training, rehearsal, practice and performance necessary to succeed as a competitive speech team. Emphasizes argumentation and debate, informative and persuasive speaking, and impromptu and extemporaneous speaking. Requires research and on-on-one interactive training. Requires participation in interscholastic competition or community speaker’s bureau. (Formerly SPCH M10B) Applies to Associate Degree. Transfer credit: CSU.

COMM M10C  Forensics III  2.00 Units
Provides training, rehearsal, practice and performance necessary to succeed as a competitive speech team. Emphasizes argumentation and debate, informative and persuasive speaking, and impromptu and extemporaneous speaking. Requires research and on-on-one interactive training. Requires participation in interscholastic competition or community speaker’s bureau. (Formerly SPCH M10C) Applies to Associate Degree. Transfer credit: CSU.

COMM M10D  Forensics IV  2.00 Units
Provides training, rehearsal, practice and performance necessary to succeed as a competitive speech team. Emphasizes argumentation and debate, informative and persuasive speaking, and impromptu and extemporaneous speaking. Requires research and on-on-one interactive training. Requires participation in interscholastic competition or community speaker’s bureau. (Formerly SPCH M10D) Applies to Associate Degree. Transfer credit: CSU.

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COMM M25 Introduction to Rhetorical Criticism 3.00 Units
PREREQUISITE: ENGL M01A
Studies the principles of reasoning and rhetoric and their application to the analysis and evaluation of public discourse. Examines both the technique and the substance of discourse by exploring, rhetorical strategies, quality of argument, quality of support for claims, use of language, fallacies, as well as the demands placed on the speaker by the audience. Emphasizes the integration of critical thinking principles with techniques of effective written and spoken discourse. (Formerly SPCH M25).

COMM M26 Rhetoric of Popular Culture 3.00 Units
Studies U.S. popular culture. Examines the role of popular culture in advertising, film, television, sports, and politics. (Formerly SPCH M28) Applies to Associate Degree Transfer Credit: CSU; UC.

COMPUTER INFORMATION SYSTEMS

CIS M11 Basic Computer Keyboarding 1.00 Unit
Introduces basic beginning keyboarding techniques, emphasizing speed and accuracy to 20 words per minute. Works in a custom-designed program in Microsoft Word. Applies to Associate Degree. May be taken for a maximum of 2 times.

CIS M12 Intermediate Computer Keyboarding 1.00 Unit
PREREQUISITE: CIS M10 or CIS M11 or touch type 20 wpm
Introduces students to figure and symbol skills and develops speed and accuracy through a custom-designed program in Microsoft Word. Applies to Associate Degree.

CIS M13 Computer Keyboarding-Speed Building 1.00 Unit
PREREQUISITE: CIS M12 or ability to type 35 wpm
Emphasizes continued development of speed and accuracy through a programmed series of timings and drills customized the individual needs. May be taken two (2) times for credit. Applies to Associate Degree.

CIS M14 10-Key Mastery on the Computer 1.00 Unit
Builds mastery of the numeric keyboard and develops speed and accuracy for data entry as well as spreadsheet and database applications in a work environment. Applies to Associate Degree.

CIS M15 Introduction to Information Systems 4.00 Units
Covers development and application of information processing systems with emphasis on the microcomputer. Includes an overview of applications of computer programs in solving business problems. Provides hands-on experience with the major microcomputer business applications: word processing, spreadsheets, and computerized database management. Uses Microsoft Office Suite as the software package. Applies to Associate Degree. Transfer credit: CSU; UC.

CIS M16 Introduction to Windows 1.50 Units
Introduces the Windows operating system, emphasizing running programs, entering/moving data, and performing DOS-related tasks. Includes program and file management using Explorer, Paint, and WordPad. Transfer credit: CSU Applies to Associate Degree.

CIS M18 Accounting with QuickBooks 3.00 Units
PREREQUISITE: BUS M01A or BUS M02A
Introduces the use of QuickBooks in a computerized accounting system. Reinforces basic accounting concepts and procedures and their relationship to QuickBooks. Provides extensive hands-on experience including setting up a new company. (Same course as BUS M08) Applies to Associate Degree.

CIS M20 Microsoft Word, Part I 1.50 Units
An introduction to Microsoft Word. Topics include creating and editing, fonts and symbols, newspaper columns, spelling and grammar, headers and footers, page numbering, and searching on the Internet. Prepares students for the Microsoft Office User Specialist (MOUS) exam (Core Level). (May be taken for a maximum of 2 times). Applies to Associate Degree. Transfer Credit: CSU.

CIS M21 Microsoft Word, Part II 1.50 Units
PREREQUISITE: CIS M20
Introduces advanced topics in Microsoft Word, including borders and shading, merging documents, sorting text, tables and indexes, macros, fill-in forms, working with clip art. Prepares students for the Microsoft Office User Specialist (MOUS) exam (Expert Level). (May be taken for a maximum of two (2) times for credit) Applies to Associate Degree.

CIS M24 Microsoft Excel, Part I 1.50 Units
PREREQUISITE: CIS M17
Introduces basics of an electronic spreadsheet, working with Excel’s desktop environment. Emphasizes how to enter, select commands, move the cell cursor around the worksheet, get help, save a worksheet in a workbook file, print a range of data, insert formulas, and format worksheets. Prepares student for the Microsoft Office user, Specialist (MOUS) exam (Core Level). (May be taken for a maximum of 2 times). Applies to Associate Degree. Transfer Credit: CSU.

CIS M25 Microsoft Excel, Part II 1.50 Units
PREREQUISITE: CIS M24
Develops advanced spreadsheet tools for managing data and making financial decisions. Emphasizes using database functions, data tables, PivotTable reports, and Report Manager. Prepares student for the Microsoft Office User Specialist (MOUS) exam (Expert Level). (May be taken for a maximum of two (2) times for credit) Applies to Associate Degree.

CIS M26A Microsoft Access I 1.50 Units
PREREQUISITE: CIS M17
Covers the basics of designing and building a database, using the latest version of Microsoft Access. The topics include, creating tables, forms, queries and reports, using built in wizards, maintaining a relational database, table joins, referential integrity, creating multi table forms and reports using basic controls and sharing data among other Microsoft Applications like Excel and Word. (May be taken two (2) times for credit) Applies to Associate Degree.

CIS M26B Microsoft Access II 1.50 Units
PREREQUISITE: CIS M26A
Covers the advanced topics of Microsoft Access, such as creating advanced queries, defining relationships between tables: using advanced techniques and controls to create custom forms and custom reports. Topics also include, creating custom user interface using Switchboard manager and macros, writing and using SQL (Structured Query Language); integrating Excel worksheet/text file data with Access and using access data pages to publish to Internet. Prepares student to pass the Microsoft Office User Specialist Expert-Level Examination in Access. Applies to Associate Degree. (May be taken a maximum of two (2) times for credit).

Some class offerings and room assignments may have changed since printing this schedule.

Please see the web for the most up to date class schedule at: http://students.vcccd.edu/scheds.htm.
**CIS M28**  Microsoft Office  3.00 Units  
Introduces Microsoft Windows, Word, Excel, and PowerPoint, emphasizing integration features and advanced Object Linking and Embedding (OLE) technology. (May be taken for a maximum of two (2) times for credit |Applies to Associate Degree.  

**CIS M30**  Web Page Design I  1.50 Units  
**RECOMMENDED PREPARATION: CIS M17**  
Provides student with an understanding of the fundamentals of HTML (Hypertext Markup Language) programming to design Web pages. Students will develop skills in designing, creating and editing personal and business websites. Applies to Associate Degree. Transfer Credit: CSU.  

**CIS M31**  Web Page Design II  1.50 Units  
**RECOMMENDED PREPARATION: CIS M30**  
Introduces Intermediate Programming concepts of HTML, XML, CSS (Style Sheets) to create enhanced Web pages, including interactive forms, animation, audio, and video. Covers the overview of the current Scripting Languages and Design concepts related to modern Web development. Students will create and host personal business websites. Applies to Associate Degree. Applies to Associate Degree. Transfer Credit: CSU.  

**CIS M40**  Visual BASIC I  4.00 Units  
Introduces Windows programming environment using Visual Basic, including an overview of Windows and an introduction to Object Oriented, Event driven programming. Topics include Forms, Controls, Event Procedures, Properties, Methods, Files and Graphics, the user interface, managing Projects, proper program design and structure and flow control. It will provide some basic understanding of and experience in the development and use of error handling and debugging procedures. Applies to Associate Degree. Transfer Credit: CSU; UC.  

**CIS M41**  Visual BASIC II  4.00 Units  
**RECOMMENDED PREPARATION: CIS M40**  
This is the second in a two-course sequence of instruction in programming in a Windows environment using Microsoft Visual Basic. Builds on the understanding of syntax and procedures learned in the first course, requiring the student to develop more complex and advanced programs. Concentrates on more advanced aspects of Visual Basic programming, including: Accessing Databases with Visual Basic, Object Linking and Embedding (OLE), Creating ActiveX applications, Creating custom Visual Basic User Controls, etc. Applies to Associate Degree. Transfer Credit: CSU; UC.  

**COMPUTER NETWORKING SYSTEMS ENGINEERING**  

**CNSE M01**  Introduction to Networking and Telecommunications  4.00 Units  
Provides an overview of Computer Networking and Telecommunications. The computer networking topics include network topologies, carrier signals, cable types, protocols, the OSI (Open Systems Interconnection) Layer, networking components, and LAN (Local Area Network) versus WAN (Wide Area Network) environments. Topics on Telecommunications cover the telecommunication industries, local exchange functions, customer-premise equipment, and telephony services. (Formerly CNSE M10) Applies to Associate Degree. Transfer credit: CSU.  

**CNSE M05**  Fundamentals of Computer Networking  4.00 Units  
**RECOMMENDED PREPARATION: Knowledge of Internet, word processing, and email**  
Provides an in-depth introduction of the current coverage of networking hardware and software along with the skills necessary to succeed in the dynamic field of networking. The topics cover the networking fundamentals such as the networking standards and OSI (Open Systems Interconnection) model, transmission basics, network protocols, topologies and access methods, network operating systems, and troubleshooting and network security. Cannot receive credit for CNSE M05A/B sequence and CNSE M05. Applies to Associate Degree. Transfer credit: CSU.  

**CNSE M06**  CISCO Fundamentals of IT Essentials: PC Hardware and Software  4.00 units  
Provides an in-depth introduction of the computer hardware and operating systems. The functionality of hardware and software components as well as suggested best practices in maintenance, and safety issues are covered. Through hands on activities and labs, students learn how to assemble and configure a computer, install operating systems and software, and troubleshoot hardware and software problems. In addition, an introduction to networking is included. Helps students prepare for Comp TIA’s A+ certification and Cisco Certified Network Associate program. Applies to the Associate Degree. Transfer credit: CSU.  

**CNSE M13**  Internetworking and TCI/IP  4.00 Units  
**PREREQUISITE: CNSE M05, or CNSE M05A and CNSE M05B**  
Offers two of the 8 networking fundamental courses in 3Com Net Prep program. It is an introduction to Transport Control Protocol/Internet Protocol (TCP/IP) networking architectures and an introduction to internetworking devices such as bridges, switches, and routers. Topics include the use of internetworking components as well as concepts in network management and component selection. Applies to Associate Degree. Transfer Credit: CSU.  

**CNSE M18**  CISCO Systems Computer Networking 1 and 2  4.00 Units  
**RECOMMENDED PREPARATION: CNSE M05, CNSE M06**  
This course provides intermediate level instruction in computer basics, Local Area Networks, the 7-layer OSI (Open System Interconnection) model, significance and structures cabling, and design and documentation. It will also cover WANs (Wide Area Networks), Router configuration, Cisco IOS (Internetwork Operating System) images, TCP/IP (Transmission Control Protocol/Internet Protocol), IP (Internet Protocol) addressing, and routing protocols. First semester course in a series to provide Cisco System Network Associate (CCNA) certificate training and covers the first half of CCNA preparation. Applies to Associate Degree. Transfer Credit: CSU.  

**CNSE M19**  CISCO Systems Computer Networking 3 and 4  4.00 Units  
**PREREQUISITES: CNSE M18 or CNSE M15**  
This course provides intermediate level instruction in the OSI (Open System Interconnection) reference model and routing, LAN (local area network) switching, VLANs (virtual local area networks), Routing Protocols: ISRP (Interior Gateway Routing Protocol), access control lists (ACLs), and network management. It will also cover WANs (wide area networks), WANs design, point-to-point protocol (PPP), integrated services digital network (ISDN), frame relay, and network management. Second semester course in a series to provide Cisco System Network Associate (CCNA) certificate training and covers the second half of CCNA preparation. (Formerly CNSE M16 and CNSE M17). Applies to Associate Degree. Transfer Credit: CSU.  

**CNSE M30**  MS Windows XP Administration  3.00 Units  
**RECOMMENDED PREPARATION: CNSE M05**  
Provides in-depth, hands-on introduction to Microsoft Windows XP operating system administration. Covers creating and administering user and group accounts, network resources security, network printer server set-up and administration, resources and events auditing, and backup procedures. Applies to Associate Degree. Transfer credit: CSU.  

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COURSE DESCRIPTION

CNSE M31  MS Windows Network Server  3.00 Units
RECOMMENDED PREPARATION: CNSE M30
Provides an in-depth, hands-on introduction to Microsoft Windows Server 2003 technical support. Covers server installation; server environment configuration; and management on system policies, file system, partition, and fault tolerance. Also covers protocols configuration, remote access services implementation, internetworking and intranetworking, and troubleshooting. Applies to Associate Degree. Transfer credit: CSU.

CNSE M43A  Network Infrastructure Admin  3.00 Units
PREREQUISITES: CNSE M31 OR CNSE M71
Prepares students to install, manage, monitor, configure, and troubleshoot Domain Name System (DNS), Dynamic Host Configuration Protocol (DHCP), Remote Access, Network Protocols, Internet Protocol (IP) Routing, and Windows Internet Name Service (WINS) in a Windows server network infrastructure. In addition, provides training required to manage, monitor, and troubleshoot Network Address Translation and Certificate Services. Adopts the most current Windows server technology. Prepares students for Microsoft exam 70-291. (Formerly CNSE M43) Applies to Associate Degree. Transfer credit: CSU.

CNSE M42  Windows Server Active Directory Services  3.00 Units
PREREQUISITE: CNSE M31
Prepares students to plan configure, and administer Active Directory infrastructure. Students learn how to configure Domain Name System (DNS) to manage name resolution, schema, and replication; to use Active Directory to centrally manage users, groups, shared folders, and network resources, and to administer the user environment and software with group policy; and to implement and troubleshoot security in a directory services infrastructure and monitor and optimize Active Directory performance. One of the core required courses for the Windows Server 2003 Microsoft Certified Systems Engineer (MCSE) and Microsoft Certified Systems Administrator (MCSA) and prepares students for Microsoft exam 70-294. Applies to Associate Degree. Transfer credit: CSU.

CNSE M55  Linux Networking and System Administration  2.00 Units
RECOMMENDED PREPARATION: Experience with any computer system including use of mouse, use of menus and any graphical user interface
Teaches the knowledge and skills needed to install, configure, operate, and manage the Linux operating system. It covers topics in (1) Linux system and network administration, (2) Linux network services, (3) Linux Internet services, (4) Linux system maintenance, and (5) security and problem solving. Prepare students for CompTIA Linux+ certification examination. Applies to Associate Degree. Transfer Credit: CSU.

CNSE M82  Introduction to Network Security  1.50 Units
RECOMMENDED PREPARATION: Experience with any computer system including use of mouse, use of menus and any graphical user interface
Provides a comprehensive overview of network security. Covers general security concepts, communication security, infrastructure security, cryptography, and operational/organizational. Also prepares students for CompTIA (Computing Technology Industry Association) Security+ certification exam. Students will be prepared to pass a foundational security exam leading to a security certification. Applies to Associate Degree. Transfer credit: CSU.

COMPUTER SCIENCE

CS M10A  Introduction to Computer Programming Using Structured C++  4.00 Units
PREREQUISITE: MATH M06 or M07
RECOMMENDED PREPARATION: CS M01 M10AL combined: maximum credit for one course and one lab.
An introduction to computer programming. The basic components, syntax, and semantics of the C++ programming language are covered. Introduces basic programming concepts such as algorithms, data and control structures, documentation, structured programming, arrays, and pointers. Transfer credit: CSU; UC credit limitations: CS M01, M01L and M10A.

CS M10B  Object-Oriented Programming Using C++  1.50 Units
PREREQUISITE: CS M10A
In-depth understanding of the fundamentals of object-oriented programming methodology. Included are such concepts as encapsulation, classes, data and implementation hiding, message passing, inheritance, polymorphism, function overloading, operator overloading, parameterized functions, parameterized classes, virtual functions, exception handling, and an introduction to the Standard Template Library. Applies to Associate Degree. Transfer credit: CSU; UC (CS M10A combines with CS M16 or CS M01: maximum credit, 4 units).

CS M10J  Introduction to Computer Programming Using Java Fundamentals  4.00 Units
PREREQUISITE: CS M10A
RECOMMENDED PREPARATION: CS M01
An introduction to computer programming. The basic components, syntax, and semantics of the Java programming language are covered. Uses the Java computer language to introduce basic programming concepts such as algorithms, data and control structures, debugging, documentation, graphical user interface (GUI) and object oriented programming. Transfer credit: CSU; UC.

CS M20  Object-Oriented Data Structure and Algorithm Design  4.00 Units
PREREQUISITE: CS M10B
An in-depth study on server-side programming. Topics include Http Servlets basics, Servlet lifecycle, sending HTML (Hypertext Markup Language) information, sending multimedia content, session tracking, security, database connectivity, applet-servlet communication, servlet collaboration, enterprise servlets and Java 2 Enterprise Edition (J2EE), Internationalization, the tea framework, Extensible Markup Language Compiler (XMCL), and Java Server Pages. Transfer credit: CSU; UC.

CS M30  Introduction to Computer Systems  4.00 Units
PREREQUISITE: CS M10A OR CS M10J
An introduction to basic computer architecture, assembly language programming, system software, and computer applications. Covers number systems, data representation, overview of operating systems, and internal organization of computers such as gates, combinational circuits, flip-flops, and the design and analysis of sequential circuits. Transfer credit: CSU; UC.

COUNCILING

COUN M02  Career Development  3.00 Units
Introduces self-assessment tools to identify college majors and careers by clarifying interests, skills, values, and personality type though self-assessment tools. Reviews decision-making processes, labor market trends, career research, interviewing skills, resume and cover letter writing, application completion, job search strategies, and use of the internet in this process. (Formerly PG M02) Applies to Associate Degree. Transfer credit: CSU.

Please see the web for the most up to date class schedule at: http://students.vcccd.edu/scheds.htm.
COURSE DESCRIPTION

CRIMINAL JUSTICE

CJ M01 Introduction to Criminal Justice 3.00 units
Introduces the history and philosophy of criminal justice in America, reviewing system recapitulation, sub-system identification, role expectations and interrelationships, crime, punishment and rehabilitation theories, and ethics, education and training issues. Transfer credit: CSU; UC.

CJ M02 Concepts of Criminal Law 3.00 Units
RECOMMENDED PREPARATION: CJ M01, ENGL M01A
Introduces the historical development and philosophy of law. Reviews constitutional provisions, definitions and classifications of crimes, and their application to the Criminal Justice System. Examines concepts of the law as a social force. Explores crimes against persons, property and the state as a social, religious and historical ideology. Employs legal research and review of case law methodology. Transfer credit: CSU; UC.

CJ M04 Legal Aspects of Evidence 3.00 Units
RECOMMENDED PREPARATION: CJ M01 and CJ M02
Introduces the origin, development, philosophy and constitutional basis of evidence, including constitutional and procedural considerations affecting arrest, search and seizure; kinds and degrees of evidence and rules governing admissibility; and judicial decisions interpreting individual rights. Transfer credit: CSU. (UC under review).

CJ M05 Principles and Procedures of the Justice System 3.00 Units
RECOMMENDED PREPARATION: CJ M01, CJ M02
Introduces the role and responsibilities of each segment within the Criminal Justice System: law enforcement, courts, and corrections. Reviews each subsystem’s procedures from initial entry to final disposition as well as the relationship each segment maintains with its system members. Transfer credit: CSU. (UC Under Review).

CJ M06 Criminal Justice Report Writing 3.00 Units
Emphasizes the practical aspects of gathering, organizing, and preparing written reports for criminal justice activities on local, state and federal levels. Introduces techniques of communicating facts, information, and ideas effectively in a simple, clear and logical manner for various types of criminal justice system reports, letters, memoranda, directives and administrative reports appropriate for court presentation. Applies to Associate Degree. Transfer Credit: CSU.

CJ M11 Criminal Investigation 3.00 Units
RECOMMENDED PREPARATION: CJ M01 and CJ M02
Introduces fundamentals of investigation including crime scene search and recording; collection and preservation of physical evidence; scientific aids and modus operandi; sources of information; interviews and interrogation; and follow-up and case preparation. Applies to Associate Degree. Transfer Credit: CSU.

CJ M17 Anatomy of a Murder 3.00 Units
RECOMMENDED PREPARATION: CJ M01 or CJ M11
Examines the historical and contemporary analysis of criminal homicide. Use of case studies to examine the nature and extent of murder, including serial murder and sex crime related murder. Includes victimology, suspect profiling and investigative techniques and procedures for the identification, collection, preservation and presentation of evidence from a homicide crime scene. Applies to Associate Degree. Transfer Credit: CSU.

CJ M18 Narcotics Investigation 3.00 Units
RECOMMENDED PREPARATION: CJ M01, CJ M04, CJ M11
Reviews identification of marijuana, opiates, dangerous drugs, hallucinogens, and their paraphernalia. Includes principles of identifying and dealing with the “user”; laws and court decisions relating to the offender fundamentals of search and arrest strategies; report writing and court testimony; prevention and control of drug abuse within society. Applies to Associate Degree. Transfer credit: CSU.
CJ M41 Introduction to Probation, Parole and Corrections 3.00 Units
RECOMMENDED PREPARATION: CJ M01
Introduces an overview of the historical aspects of punishment and the development of contemporary correctional philosophy in the United States. Focuses on legal and practical aspects, practices and procedures of probation, parole and the correctional institutions. Rehabilitation issues, legal issues, general laws, and operations of correctional institutions, and the relationship between corrections and other components of the criminal justice system will be examined. Applies to Associate Degree Transfer credit: CSU; UC.

DANCE

DANC M01A Dance Appreciation 3.00 Units
Examines dance through viewing dance performances and through lectures and discussions, focusing on the historical, cultural and artistic developments and factors that influence change in dance. Applies to Associate Degree. Transfer credit: CSU; UC.

DANC M03 Dance History 3.00 Units
Introduces through a sweeping overview of tribal, ethnic, and folk-dance forms the wide-ranging activity of dance as it has existed throughout the world. Focuses on ballet from its origin in Renaissance Europe to the present as well as twentieth century modern and jazz dance, including the contemporary scene which is international and electric. Transfer Credit: CSU; UC.

DANC M04A Ballet I-Fundamentals 1.50 Units
Introduces basic ballet technique and terminology, including general principles of alignment, centering and posture. Requires exercises at the barre to develop flexibility, strength, control and coordination. Includes resilience and center practice of Port des Bras, simple adage and allegro movements. May be taken four (4) times for credit. Applies to Associate Degree. Transfer credit: CSU; UC.

DANC M04B Ballet II-Beginning 1.50 Units
PREREQUISITE: DANC M04A
Introduces new movements and terminology as part of the basic ballet technique, both at the barre and in center, combining basic movements into adage and allegro patterns. Stresses heightened technical skills. May be taken four (4) times for credit. Applies to Associate Degree. Transfer credit: CSU; UC.

DANC M05C Ballet III-Intermediate 1.50 Units
PREREQUISITE: DANC M04B
Introduces knowledge and development of intermediate technique both at the barre and in center, concentrating on the discipline of ballet form and the physical abilities necessary to execute movements. May be taken four (4) times for credit. Applies to Associate Degree. Transfer credit: CSU; UC.

DANC M07A Modern Jazz I-Fundamentals 1.50 Units
PREREQUISITE: DANC M10A
Introduces basic movement skills of modern jazz technique, emphasizing understanding and appreciation of jazz as an artistic dance form. May be taken four (4) times for credit. Applies to Associate Degree. Transfer credit: CSU; UC.

DANC M07B Modern Jazz II-Beginning 1.50 Units
PREREQUISITE: DANC M07A
Introduces basic movement skills of modern jazz technique, emphasizing understanding and appreciation of jazz as an artistic dance form. May be taken four (4) times for credit. Applies to Associate Degree. Transfer credit: CSU; UC.

DANC M07C Modern Jazz III-Intermediate 1.50 Units
PREREQUISITE: DANC M07B
Continues introduction of modern jazz, emphasizing style and form as well as increased technical and choreographic skills. May be taken four (4) times for credit. Applies to Associate Degree. Transfer credit: CSU; UC.

DANC M07D Modern Jazz IV-Advanced 2.00 Units
PREREQUISITE: DANC M07C
Continues introduction of modern jazz, emphasizing style and form as well as increased technical and choreographic skills. May be taken four (4) times for credit. Applies to Associate Degree. Transfer credit: CSU; UC.

DANC M08A Modern Dance I-Fundamentals 1.50 Units
Covers the fundamentals of modern dance techniques based on the teaching of modern dance masters such as Graham, Humphrey, Limon and Laban. Develops fundamental modern technique, basic locomotor movements, movement dynamics and qualities, elements of modern dance history, evaluation and application of dance composition, and the understanding and appreciation of modern dance as an art form. Transfer credit: CSU; UC. May be taken four times for credit.

DANC M08B Modern Dance II-Beginning 1.50 Units
PREREQUISITE: DANC M08A or equivalent
Continues to develop the basic skills in modern dance techniques based on the teaching of modern dance masters such as Graham, Humphrey, Limon, and Laban. Develops beginning modern technique, simple improvisation and composition, the understanding of the principles of alignment and motion, and to experience movement in more complex rhythmic forms. Transfer credit: CSU; UC. May be taken four times for credit.

DANC M08C Modern Dance III-Intermediate 2.00 Units
PREREQUISITE: DANC M08B
Expands appreciation of dance as a creative art form. Focuses on modern dance techniques, emphasizing increased flexibility, strength, and coordination. Reviews dance phrase combinations by integrating rhythm, design, dynamics and motivation. May be taken four (4) times for credit. Applies to Associate Degree. Transfer credit: CSU; UC.

DANC M08D Modern Dance IV-Advanced 2.00 Units
PREREQUISITE: DANC M08C
Continues exploration of modern dance technique, emphasizing performance, composition and choreography. May be taken four (4) times for credit. May be taken four (4) times for credit. Applies to Associate Degree. Transfer credit: CSU; UC.

DANC M10A Tap I-Fundamentals 1.50 Units
PREREQUISITE: DANC M10A
Introduces some history of tap as well as basic tap techniques and elementary dances, routines and rhythm structures. Develops motor coordination and rhythm. May be taken four (4) times for credit. Applies to Associate Degree. Transfer credit: CSU; UC.

DANC M10B Tap II-Beginning 1.50 Units
PREREQUISITE: DANC M10A
Expands tap dancing techniques, including music theory concepts and syncopated rhythms. Further develops motor coordination and rhythm and expands historical awareness. May be taken four (4) times for credit. Applies to Associate Degree. Transfer credit: CSU; UC.

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**DANCI M13C**  
Tap III-Intermediate  
1.50 Units  
PREREQUISITE: DANCI M13B.  
Builds upon the basic tap vocabulary and techniques introduced and explored previously in levels I (fundamental) and II (beginning). Musical theory concepts as they apply to the syncopated rhythms of tap dance will provide an opportunity to further develop motor coordination and rhythm. Exploration into the fusion of tap with other dance techniques will also be explored. Applies to Associate Degree. Transfer credit: CSU/UC.

**DANCI M14A**  
Choreography, Modern Dance-Fundamentals  
2.00 Units  
PREREQUISITE: DANCI M12B.  
Introduces basic principles and practical applications of dance composition. Focuses on forms of expression; develops space, time and energy into dance; and integrates dance movement technique as a form of expression. Requires solo and small group choreography and improvisations. May be taken four (4) times for credit. Applies to Associate Degree. Transfer credit: CSU: UC.

**DANCI M15**  
Choreography  
2.00 Units  
PREREQUISITES: Two of the following courses: DANCI M10C, DANCI M11C, or DANCI M12C  
CO-REQUISITE: DANCI M51A or M51B or M51C or M51D  
RECOMMENDED PREPARATION: Concurrent enrollment in DANCI M55.  
Introduction to the theory and techniques of dance composition. Elements of choreography are applied to dance improvisation, ballet, jazz, and modern dance. The focus of movement is enhanced through the analysis of basic problems and issues of choreography. Emphasis is placed on student application of choreographic concepts through the development of solo and group movement compositions. Applies to Associate Degree. Transfer credit: CSU; UC.

**DANCI M16A**  
Hip Hop 1 – Fundamentals  
1.50 Units  
Introduces the fundamentals of hip-hop dancing, pop and lock, hip-hop funk, krumping, freestyling, break dancing, synkopations and rhythms as applied in commercial hip-hop venues. Develops flexibility, strength, control, coordination, endurance, style and the understanding and appreciation of hip-hop and its cultural significance and history. Applies to Associate Degree. Transfer credit: CSU: UC.

**DANCI M31**  
Swing Dance  
1.50 Units  
Introduces history, music, and fundamental practices of ballroom dancing. Includes basic steps, variations and styling techniques for the fox-trot, swing, waltz, cha-cha, tango, rumba, samba, mambo, polka and selected novelty dances. May be taken four (4) times for credit. Applies to Associate Degree. Transfer credit: CSU: UC.

**DANCI M32**  
Ballroom  
1.50 Units  
PREREQUISITE: DANCI M30A  
An overview of American Swing Dance in the 20th century. Areas of study include, but are not limited to: movement theory, dance vocabulary, dance courtesy, fundamentals of music as they relate to dance, and dance history. Students will be exposed to vintage dance forms as well as current trends. May be taken for a total of four (4) times for credit. Applies to Associate Degree. Transfer credit: CSU: UC.

**CO-REQUISITE:** DANC M51A or M51B or M51C or M51D

**DANCI M51D**  
Dance Performance/Production IV  
2.00 Units  
PREREQUISITE: Intermediate dance class  
RECOMMENDED PREPARATION: Concurrent enrollment in dance class  
Offers practical experience in the many phases of dance productions, concerts and demonstrations. Focuses on dance performance with some review of choreography and staging. May be taken four (4) times for credit. Applies to Associate Degree. Transfer credit: CSU; UC.

**DANCI M55**  
Dance Rehearsal and Performance  
1.50 Units  
CO-REQUISITE: Enrolled in a dance technique class  
Rehearsal and performance based course focusing on learning repertoire choreographed by students, faculty and guest artists. Explores various styles and genres of artistic dance, including ballet, modern, tap, hip hop, jazz, and ethnic dance traditions. Course culminates in a performance of the works learned in a formal concert environment. Number of units acquired is based on hours of class attendance. Applies to Associate Degree. Transfer credit: CSU: UC.

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**DRAFTING**

**DRFT M01**  
Introduction to Drafting  
3.00 Units  
Introduces use and care of drafting equipment and instruments, lettering, theory of orthographic projection, pictorial drawings, sketches, and working drawings. Applies to the Associate Degree. Transfer credit: CSU.

**DRFT M02A**  
Computer Aided Drafting I  
3.00 Units  
PREREQUISITE: DRFT M01 or DRFT M03A or equivalent.  
RECOMMENDED PREPARATION: CIS M17 or prior computer use.  
Foundational course in AutoCAD (Computer-Aided Design software). Explores CAD drawing and editing concepts, principles, and commands while preparing basic 2D technical drawings. May be taken two (2) times for credit. Applies to Associate Degree. Transfer credit: CSU; UC.

**DRFT M02B**  
Computer Aided Drafting II  
3.00 Units  
PREREQUISITE: DRFT M02A or equivalent.  
For architecture, engineering and industrial design students. An advanced course which emphasizes the development of a 3D object during the design process. Provides skill development in the use of 3D graphical techniques to produce wire frame, surface and solid design models. Includes hands-on computer simulation techniques and development of working and rendered presentation drawings. Requires basic knowledge of AutoCAD design software. Fees will apply. May be taken two (2) times for credit. Applies to Associate Degree. Transfer credit: CSU; UC; credit limitations.

**DRFT M03A**  
Architectural Drafting I  
3.00 Units  
Introduces fundamentals of preparing architectural drawings, emphasizing use and care of drafting equipment and instruments, lettering, line work and dimensioning. Focuses on preparing various plan, elevation and sectional views, details, sketches, working drawings, orthographic and isometric drawings. Presents basic elements of building requirements and codes will be presented. May be taken for a total of two (2) times for credit. Applies to Associate Degree. Transfer credit: CSU.

**DRFT M04**  
Architectural CAD  
3.00 Units  
PREREQUISITE: DRFT M02B, DRFT M03 or equivalent  
This course will introduce students to the development of architectural drawings with the use of computer-aided drafting, utilizing three-dimensions for a walk-through effect. May be taken two (2) times for credit. Transfer credit: CSU.
COURSE DESCRIPTION

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INTRODUCES BUILDING CODES RELATED TO STRUCTURAL, PLUMBING, HEATING, AIR CONDITIONING, AND ELECTRICAL COMPONENTS OF BUILDINGS CONSTRUCTED IN SOUTHERN CALIFORNIA. APPLIES TO ASSOCIATE DEGREE.

ECONOMICS

ECON M01 Principles of Microeconomics 3.00 Units
Examines the functions of the market mechanism and its strengths and weaknesses in allocating scarce resources in the economy. Develops a method of thinking by investigating and applying the principles of economic inquiry to the behavior of individual consumers, producers and industries. The structure of industries and the distribution of resources are examined. May not be taken concurrently with ECON M02. Transfer credit: CSU; UC.

ECON M02 Principles of Macroeconomics 3.00 Units
Examines basic concepts of business and the application of economic principles to the operation of business. Explores economic systems, global markets, ethics, entrepreneurship, management, human resources, marketing, accounting, finance, securities markets, money supply, and the impact of information technology on business, and personal financial planning. (Same course as BUS M30) Applies to the Associate Degree. Transfer credit: CSU; UC.

ECON M30 Introduction to Business and Economics 3.00 Units
RECOMMENDED PREPARATION: BUS M28 or ENGL M02 Same course as BUS M30
Examines basic concepts of business and the application of economic principles to the operation of business. Explores economic systems, global markets, ethics, entrepreneurship, management, human resources, marketing, accounting, finance, securities markets, money supply, and the impact of information technology on business, and personal financial planning. (Same course as BUS M30) Applies to the Associate Degree. Transfer credit: CSU; UC.

EDUCATION

EDU M02 Introduction to Teaching 3.00 Units
This introductory foundation course is designed to provide students with the fundamental knowledge of the understanding of the American educational enterprise, especially problems in urban multicultural schools. Concepts and methods from the fields of sociology, philosophy, and the politics of education are used to gain knowledge of, understand, and analyze the current conditions of American schools and to evaluate selected proposals/models for reform. A minimum of 20 hours of observation and participation in a multicultural school and community setting is required. Applies to Associate Degree. Transfer credit: CSU, pending.

ENGINEERING

ENGR M04 Engineering and Design/Cad 3.00 Units
PREREQUISITE: DRFT M01 or one year of high school drafting or equivalent.
Introduces engineering as a profession by exploring systematic design techniques, written communication, and makeup of the various expanded assignments, real-world applications, and enrichment opportunities. Applies to Associate Degree. Transfer credit: CSU.

ENGR M16 Engineering Statics and Strength of Materials 4.00 Units
PREREQUISITE: PH M20A/M20AL
Covers vector algebra, equivalent force systems, free body diagrams and equilibrium, structural mechanics, behavior of deformable solids, stress and strain, tension, compression, flexure, torsion, beams, columns, statically indeterminate problems, multiaxial stresses, and theories of strength. Applies to Associate Degree. Transfer credit: CSU; UC.

ENGLISH

ENGL M01A English Composition 4.00 Units
PREREQUISITE: ENGL M02 or completion of the assessment process
OTHER: Students cannot complete both ENGL M01A and ENGL M01AH (Honors) courses because credit will only be awarded to the first course completed.
Emphasizes expository writing that demonstrates the principles of thesis and support, logical organization and development, clear paragraph and sentence construction, control of diction, and command of the conventions of English usage. Includes research and documentation of sources. Develops analytical and interpretive reading skills. Applies to Associate Degree. Transfer credit: CSU; UC. (English M01AH and ENGL M01A combined: maximum credit, one course).

ENGL M01AH Honors: English Composition 4.00 Units
PREREQUISITE: ENGL M02 with a grade of B or better, or the completion of the assessment process.
OTHER: Students cannot complete both ENGL M01A and ENGL M01AH (Honors) courses because credit will only be awarded to the first course completed.
Emphasizes expository writing that demonstrates the principles of thesis and support, logical organization and development, clear paragraph and sentence construction, control of diction, and command of the conventions of English usage. Includes research and documentation of sources. Develops analytical and interpretive reading skills. Honors work challenges students to be more analytical and creative through expanded assignments, real-world applications, and enrichment opportunities. Applies to Associate Degree. Transfer credit: CSU; UC. (English M01AH and ENGL M01A combined: maximum credit, one course).

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Please see the web for the most up to date class schedule at: http://students.vcccd.edu/scheds.htm.
ENGL M01B  Literature: Critical Thinking and Composition  3.00 Units
PREREQUISITE: ENGL M01A.
OTHER: Students cannot complete both ENGL M01B and ENGL M01BH (Honors) courses because credit will only be awarded to the first course completed.
Critical thinking and writing skills in close textual analysis of issues and themes in fiction, poetry, and drama as well as in non-fictional literature and literary criticism. Review deductive and inductive reasoning, relationship between language and meaning. Emphasizes detailed critical analysis. Applies to Associate Degree. Transfer credit: CSU; UC. (English M01BH and ENGL M01B combined: maximum credit, one course).

ENGL M01BH  Honors Literature: Critical Thinking and Composition  3.00 Units
\*PREREQUISITE: ENGL M01A with a grade of B or better.
OTHER: Students cannot complete both ENGL M01B and ENGL M01BH (Honors) courses because credit will only be awarded to the first course completed.
Honors work in critical thinking and writing skills in close textual analysis of issues and themes in fiction, poetry, and drama as well as in non-fictional literature and literary criticism. Reviews deductive and inductive reasoning, recognition and avoidance of logical fallacies, and relationships between language and meaning. Emphasizes detailed critical analysis. Honors work challenges students to be more analytical and creative through expanded assignments, real-world applications and enrichment opportunities. Applies to Associate Degree. Transfer credit: CSU; UC. (English M01BH and ENGL M01B combined: maximum credit, one course).

ENGL M01C  Critical Thinking and Composition  3.00 Units
PREREQUISITE: ENGL M01A
OTHER: Students cannot complete both ENGL M01C and ENGL M01CH (Honors) courses because credit will only be awarded to the first course completed.
Develops work in advanced levels of critical thinking, reading and writing. Focuses on the development of logical reasoning as well as analytical and argumentative writing skills. Applies to Associate Degree. Transfer credit: CSU; UC. (English M01CH and ENGL M01C combined: maximum credit, one course).

ENGL M01CH  Honors: Critical Thinking and Composition  3.00 Units
\*PREREQUISITE: ENGL M01A with a grade of B or better.
OTHER: Students cannot complete both ENGL M01C and ENGL M01CH (Honors) courses because credit will only be awarded to the first course completed.
Develops honors work in advanced levels of critical thinking, reading and writing. Focuses on the development of logical reasoning as well as analytical and argumentative writing skills. Applies to Associate Degree. Transfer credit: CSU, UC. (English M01CH and ENGL M01C combined: maximum credit, one course).

ENGL M02  Introduction to College Writing  3.00 Units
Introduces college-level writing, focusing on composing clear, organized paragraphs and short essays. Stresses development and support of coherent central ideas with relevant reasoning and examples. Offers instruction in the writing process (preparation, organization, development, revision, editing) as well as grammar, punctuation and sentence structure. Includes college-level reading and real-world applications. Applies to Associate Degree.

ENGL M03  Writing Skills  3.00 Units
Helps students strengthen their basic writing skills. It involves intensive practice in developing ideas, making clear statements, and organizing information at the level of the paragraph and short essay. Grammar, spelling, vocabulary, and sentence structure are also emphasized in order to compose, revise, and edit essays. Students will write regularly and learn word processing skills on a computer (in computer lab) as part of the composing process. Does not apply to the Associate Degree.

ENGL M05  Radio/Television Script Writing  3.00 Units
PREREQUISITE: ENGL M01A
Students will develop skills in the analysis and preparation of news, commercials, program formats, public service announcements, and dramatic scripts including situation comedy, made-for-television movie, continuing dramatic series, and theatrical released motion picture. (Same course as RT M05). Applies to Associate Degree. Transfer credit: CSU.

ENGL M10A  Creative Writing  3.00 Units
PREREQUISITE: ENGL M01A
This course introduces tactics for effective creative writing through writers’ workshop. Student writers learn techniques in fiction and poetry writing, then have opportunity to practice, critique and revise their original work in a supportive setting. Transfer credit: CSU; UC.

ENGL M13A  Major American Writers I  3.00 Units
PREREQUISITE: ENGL M01A
Introduces American writing from the colonial era to the end of the Civil War, emphasizing works for major writers in their literary, historical and cultural contexts. Includes such authors as authors as Bradstreet, Edwards, Franklin, Poe, Melville, Hawthorne, Emerson, Thoreau, Whitman, and Dickinson as well as lesser known writers such as Equiano and Stowe. Applies to Associate Degree. Transfer credit: CSU; UC.

ENGL M15A  Survey of English Literature I  3.00 Units
PREREQUISITE: ENGL M01A
Surveys major works of British literature from the Romantic period to the present in their literary, historical, and cultural contexts. Includes lectures, discussions, examinations, and critical papers. Applies to the Associate Degree. Transfer credit: CSU; UC.

ENGL M17  Shakespeare  3.00 Units
PREREQUISITE: ENGL M01A
Surveys several plays, including comedies, histories, tragedies, and “problem plays.” Discusses works of Shakespeare in their social context. Introduces the sonnets. Includes lectures, discussions, and critical papers. Applies to Associate Degree. Transfer credit: CSU; UC.

ENGL M29A  The Bible as Literature: (Old Testament)  3.00 Units
Introduces the 39 books of the Old Testament and the Old Testament Apocrypha through lecture, reading, and discussion. Emphasizes literary qualities such as characters, recurrent themes, motifs, images and symbols, as well as major genres and representative forms of Biblical writings. Applies to Associate Degree. Transfer credit: CSU; UC.

ENGL M31  Masterpieces of World Literature II  3.00 Units
\*PREREQUISITE: ENGL M01A or equivalent
Surveys the significant works of the century from about 1650 CE to the present. Includes works from the Americas, Asia, Europe, and Africa. Applies to Associate Degree. Transfer credit: CSU; UC.

ENGL M70  Grammar/Punctuation Review  1.00 Unit
Reviews the rules and conventions of standard English grammar and punctuation. Develops students’ ability to write concise, clear, correct sentences and to join them into unified, coherent paragraphs. (Formerly ES M33). Offered credit/no-credit only. Does not apply toward a degree.
ENGLISH AS A SECOND LANGUAGE

ESL M01  Beginning ESL  4.00 Units
Focus on listening, speaking, reading, and writing skills of beginning English language learners, using daily activities and topics of general interest. Activities include group and class discussions and oral presentations. Includes vocabulary acquisition; accurate pronunciation; and grammar review of parts of speech, parts of the sentence, sentence structure and patterns, and verb tenses; reading comprehension of brief paragraphs and essays; and writing paragraphs. Does not apply to the Associate Degree.

ESL M02  Intermediate ESL  4.00 Units
RECOMMENDED PREPARATION: ESL M01
Focus on listening, speaking, reading, and writing skills of intermediate English language learners using general interest and academic subject. Activities include group and class discussions of text material, TV/video segments and lectures and oral presentations. Includes vocabulary acquisition, accurate pronunciation, and intonation; grammar study of sentence structure, compound and complex sentences, and reduction of grammar errors; reading comprehension and critical thinking; and writing multi-paragraph essays. Does not apply to the Associate Degree.

ESL M03  Advanced ESL  4.00 Units
RECOMMENDED PREPARATION: ESL M02
Focus on listening, speaking, reading, and writing skills of advanced English language learners, using cross-curricular and current events subjects. Activities include discussions of text and selected materials, TV shows/videos, news programs, lectures, and one complete feature film and multiple 5-minute oral presentations. Includes emphasis on vocabulary acquisition, accurate pronunciation, and intonation in class discussions; grammar study of sentence correctness and style; reading interpretation, analysis, and application; and writing 5-paragraph essays developed by a combination of rhetorical modes. May be taken for a maximum of two times for credit. Does not apply to the Associate Degree.

ENVIRONMENTAL SCIENCE

ENSC M01  Environmental Science  3.00 Units
Provides students with an understanding of the natural processes operating in the world with fundamental laws of physics and chemistry controlling these processes. Emphasizes the interrelationships between humans and their environment and the impact of technology on the quality of the global environment. Surveys energy, air, water, and solid pollution and conservation. Presents sustainable development and practices. Applies to Associate Degree. Transfer Credit: CSU; UC.

ENSC M01L Environmental Science Lab  1.00 Unit
PREREQUISITE: ENSC M01
OTHER: Field trips may be required
Clarifies environmental concepts presented in ENSC M01. Requires four field trips: utility plant, wastewater treatment facility, recycling/recovery center and college nature center. Stresses scientific method, elements of statistics and sample, and the completion of a research-based oral presentation. Applies to Associate Degree. Transfer credit: CSU; UC.

ENSC M02  Environment and Human Interactions  4.00 Units
Introduces the biological principles governing ecosystems. Analyzes environmental problems as they relate to world demography and human activities. Topics include: population dynamics, major world biotic communities, the urban environment and environmental health and basic toxicology. Includes field study of California’s major plant communities and study of the local environment. Applies to Associate Degree. Transfer Credit: CSU; UC.

EXOTIC ANIMAL TRAINING

EATM M01A  Animal Care and Handling I  1.00 Unit
PREREQUISITE: Admission to EATM Program
CO-REQUISITE: EATM M01AL
This course instructs students in basic zoo-keeping practices used in the husbandry of domestic and non-domestic animals. Topics include safety, emergency, sanitation, and handling procedures as well as environmental enrichment, teamwork concepts, food handling and record keeping. Applies to Associate Degree.

EATM M01AL Animal Care and Handling Lab I  1.00 Unit
PREREQUISITE: Admission to EATM Program. CO-REQUISITE: EATM M01A
This laboratory provides the student with the opportunity to apply the theory and principles from EATM M01A to the care and handling of the America’s Teaching Zoo animal collection. Essential zoo keeping skills are developed through this 1 hands-on approach. Applies to Associate Degree. Transfer credit: CSU; pending.

EATM M02A  Zoo Work Skills: First Year #1  1.00 Unit
CO-REQUISITE: EATM M01A
Provides the first yearfirst semester student an on-campus zoo laboratory for supervised on-the-job zoo keeping work experience and additional skill practice in animal care and handling. Work assignments include participating as a zoo operations team member, holiday/weekend zoo keeping, weekend area, assisting with daily zoo operations, zoo maintenance and improvement projects, day watch with safety rounds, leading tours, and assisting with educational presentations. Applies to Associate Degree.

EATM M02B  Zoo Work Skills: First Year #1  0.50 Unit
PREREQUISITE: EATM M02A
During the winter intersession, provides the first year student an on-campus zoo laboratory for supervised on-the-job zoo keeping work experience and additional skill practice in animal care and handling. Work assignments include participating as a zoo operations team member, holiday/interseasson zoo keeping, weekend area, assisting with daily zoo operations, zoo maintenance and improvement projects, day watch with safety rounds, leading tours with holiday theme, and assisting with holiday educational presentations. Applies to Associate Degree.

EATM M02D  Zoo Work Skills: Second Year SS  3.00 Units
PREREQUISITE: EATM M02C
Provides the second year summer session student an on-campus zoo laboratory for supervised on-the-job intermediate zoo keeping work experience and skill practice in animal care, handling and training. Work assignments include conducting training sessions with assigned animals, participating as a zoo operations team member and leader, holiday/weekend zoo keeping, intermediate zoo daily operations, maintenance and improvement project s, day watch with safety rounds and conducting tours. Applies to Associate Degree.

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EATM M02E  Zoo Work Skills: Second Yr. #1  3.00 Units

PREREQUISITE: EATM M02D

Provides the second year fall semester student an on-campus zoo laboratory for supervised on-the-job intermediate to advanced zoo keeping work experience and skill practice in animal care, handling and training. Work assignments include weekday and weekend area, serving as a mentor to first year students conducting training sessions with assigned animals, exhibiting assigned animals at weekend shows, participating as a zoo operations team member and leader, intermediate-advanced zoo daily operations, maintenance and improvement projects, day watch with safety rounds and conducting tours. Applies to Associate Degree.

EATM M15A  Wildlife Education I  1.00 Unit

PREREQUISITE: Admission to EATM Program

CO-REQUISITE: EATM M15AL

Instructs the student in the use of live animals for educational presentations in zoos and other situations. Includes public speaking, environmental education, interpretation techniques, and the handling of animals for presentations. Applies to Associate Degree.

EATM M15AL  Wildlife Education I – Lab  1.00 Unit

PREREQUISITE: Admission to EATM Program

CO-REQUISITE: EATM M15A

Provides the student with the opportunity to develop public speaking skills, interpretation techniques, and animal handling skills appropriate for educational presentations in zoos and other situations. The student will perform presentations to both large and small audiences and conduct tours of the teaching zoo. May be taken for a total of two (2) times for credit. Applies to Associate Degree.

EATM M15CL  Wildlife Education III Lab  2.00 Units

PREREQUISITE: EATM M15B & EATM M15BL

Provides a range of supervised Wildlife Education production and performance activities involving presentations with live animals. Performance rehearsing and animal handling in preparation for a public performance is stressed. Opportunities to conduct presentations to a variety of audiences in a variety of settings will be offered. Applies the basic elements of production (staging, publicity, script development, set design and construction) and performance (safety considerations, animal handling, and voice techniques). This may be taken four (4) times for credit. (Formerly EATM M16) Applies to Associate Degree.

EATM M15D  Wildlife Education IV  1.00 Unit

CO-REQUISITE: EATM M15B

OTHER: REQUIRES FIELD TRIPS

Requires design, development and implementation of wildlife education outreach programs for audiences of various ages, cultural orientations, and developmental levels. The student will gather information on environmental and conservation issues and incorporate this material into educational presentations. Applies to Associate Degree.

EATM M15DL  Wildlife Education IV Lab  2.00 Units

PREREQUISITE: EATM M15CL

OTHER: REQUIRES FIELD TRIPS

This laboratory course provides the second year EATM student with the opportunity to develop and implement wildlife education programs in the community to audiences of various ages, cultural orientations and developmental levels. (Formerly EATM M46). Applies to Associate Degree.

EATM M21A  Animal Training I  1.00 Unit

PREREQUISITES: EATM M01B and ANSC M04 or PSY M12

CO-REQUISITE: EATM M21AL

Introduces the student to basic techniques of animal training including operant conditioning theory, record keeping, and controlling behavior. Topics include the history of animal training, reasons for training animals, factors affecting training success, and shaping of new behaviors. Applies to Associate Degree.

EATM M21AL  Animal Training I – Lab  2.00 Units

PREREQUISITES: EATM M01BL and ANSC M04L or PSY M12L

CO-REQUISITE: EATM M21A

Provides the opportunity to develop basic animal training techniques through hands-on work with animals at the teaching zoo. Requires behavioral observations, development of training plans, maintenance of training records, and shaping the behavior of one or more animals. May be taken a total of two (2) times for credit. Applies to Associate Degree.

EATM M21B  Animal Training II  1.00 Unit

PREREQUISITE: EATM M21A

CO-REQUISITE: EATM M21BL

Presents techniques of animal training including husbandry training, training groups of animals, and dealing with aggression. Includes developing training plans, protected contact training, and problem solving. Applies to Associate Degree.

EATM M21BL  Animal Training II – Lab  2.00 Units

PREREQUISITE: EATM M21AL

CO-REQUISITE: EATM M21B

Provides the opportunity to develop the skills needed to train husbandry behaviors through hands-on work with animals at the teaching zoo. May be taken a total of two (2) times for credit. Applies to Associate Degree.

EATM M23A  Elementary Veterinary Procedures I  4.00 Units

PREREQUISITE: EATM M01B, ANSC M03, ANSC M06

An introduction to the science of veterinary medicine as it applies to domestic and non-domestic animals. The student will learn a practical organ system-by-organ system approach to the recognition, diagnosis, treatment and nursing care as related to the various disease processes involved with these systems. May be taken one (1) time for credit. Applies to the Associate Degree. Transfer credit: CSU.

EATM M23AL  Elementary Veterinary Procedures I Lab  1.00 Unit

CO-REQUISITE: EATM M23A

An introduction to the science of veterinary medicine as it applies to domestic and non-domestic animals. Veterinary procedures are practiced that are relative to a practical organ system by organ system approach to the diagnosis, treatment and nursing care as related to the various disease processes. May be taken one (1) time for credit. Applies to Associate Degree. Transfer Credit: CSU.
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<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>FTVM M20</td>
<td>Introduction-Television Studio</td>
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<td>FTVM M30A</td>
<td>Digital Camera Production/Editing I</td>
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<td>Digital Camera Production/Editing II</td>
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<tr>
<td>FTVM M37</td>
<td>Digital Filmmaking/Preproduction</td>
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<tr>
<td>FTVM M38</td>
<td>Digital Filmmaking/Production and Post Production</td>
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### FILM STUDIES (FORMERLY HUMANITIES COURSES)

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<tr>
<td>FILM M10</td>
<td>Introduction to Cinema</td>
<td>3.00</td>
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<tr>
<td>FILM M15</td>
<td>Introduction to Documentary Film</td>
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<tr>
<td>FILM M25</td>
<td>History of the International Cinema I: to WWI</td>
<td>3.00</td>
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<tr>
<td>FILM M26</td>
<td>History of the International Cinema II: WWII to Present</td>
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<tr>
<td>FILM M51</td>
<td>Images of Women in Film</td>
<td>3.00</td>
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### FILM, TELEVISION, MEDIA (FORMERLY RADIO/TELEVISION)

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<tr>
<td>FTVM M01</td>
<td>Media and Society</td>
<td>3.00</td>
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<tr>
<td>FTVM M20</td>
<td>Introduction-Television Studio</td>
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FTVM M40 Audio Production 3.00 Units
Provides a basic knowledge of audio equipment used in typical radio, television, multimedia and dramatic productions, including: audio consoles, various digital audio recording equipment and digital audio workstations. Develops skills in announcing, basic writing, disc jockeying, program production and direction, commercial production, interviewing techniques, station operations and live and recorded audio production for news media and theater. (formerly RT M07A) Applies to Associate Degree. Transfer Credit: CSU.

FRENCH

FREN M01 Elementary French I 4.00 Units
OTHER: Provider approved by the California Board of Registered Nursing, provider number CEP2811 for 60 contact hours.
Introduces French language, culture, history and people of the Francophone world, emphasizing speaking, understanding, reading, and writing skills. The course requires individualized work in the language lab each week. Transfer credit: CSU; UC.

FREN M02 Elementary French II 4.00 Units
PREREQUISITE: FREN M01 or 2 years of high school French with grades of C or better
OTHER: Provider approved by the California Board of Registered Nursing, for 60 contact hours.
Further explores French language, culture, history and people of the Francophone world as well as speaking, reading, and writing proficiency. Requires individualized work in the language lab each week. Applies to the Associate Degree. Transfer credit: CSU; UC.

GEOGRAPHIC INFORMATION SYSTEMS

GIS M01 Introduction to Mapping and GIS 3.00 Units
Physical Geography brings together several branches of the natural sciences to provide students with an understanding of the processes responsible for the physical patterns of climate, water, soils, vegetation, and landforms found over the earth. Emphasis is also placed on gaining an understanding of human-induced agents of change within the physical world and human/environmental relationships. Applies to Associate Degree. Transfer credit: CSU; UC.

GEOGRAPHY

GEOG M01 Physical Geography 3.00 Units
Surveys several branches of the natural sciences to provide students with an understanding of the processes responsible for the physical patterns of climate, water, soils, vegetation, and landforms found over the earth. Emphasizes understanding of human-induced agents of change within the physical world and human/environmental relationships. Transfer credit: CSU; UC. Applies to Associate Degree.

GEOG M01L Physical Environment Lab 1.00 Unit
PREREQUISITE: GEOG M01 (may be concurrent) or equivalent
OTHER: REQUIRES FIELD TRIPS
Introduces earth-sun relations as well as map an air photo reading and interpretation. Provides hands-on practice in landscape description, measurement and analysis. Requires written reports. Applies to Associate Degree. Transfer credit: CSU; UC.

GEOG M02 Cultural Geography 3.00 Units
Concerns the significance and distribution of various cultural elements and with the impact of human activities on the natural environment. An issue-based, or topical approach is taken to understanding and explaining spatial patterns of the key components of culture such as population, migrations, settlements, development, agriculture, geopolitics, land-use, globalization, language and religion. Emphasis is on the analysis of current world events. Applies to Associate Degree. Transfer credit: CSU; UC.

GEOG M03 World Regional Geography 3.00 Units
OTHER: Students cannot complete both GEOG M03 and GEOG M03H (Honors) courses because credit will only be awarded to the first course completed.
Provides a survey of the world’s major regions and their physical and cultural characteristics from a geographic perspective. Emphasis is placed on familiarizing students with the diversity of people and places, on current events and global problems and on developing a mental map of the world. Key issues and problems relevant to contemporary society in each of the world’s regions will be addressed. This brief tour of the world will help students better understand world events, living styles and conditions, environments, and conflicts. Applies to Associate Degree. Transfer credit: CSU; UC.

GEOG M03H Honors: World Regional Geography 3.00 Units
OTHER: Students cannot complete both GEOG M03 and GEOG M03H (Honors) courses because credit will only be awarded to the first course completed.
Provides an honors level survey of the world’s major regions and their physical and cultural characteristics from a geographic perspective. Emphasis is placed on familiarizing students with the diversity of people and places, on current events and global problems and on developing a mental map of the world. Addresses key issues and problems relevant to contemporary society in each of the world’s regions will be addressed. Transfer credit: CSU; UC.

GEOG M10 Geography of California 3.00 Units
Study of California’s diverse biophysical and human geography. Topics examined include the Golden State’s climate, landforms natural vegetation, and mineral and water resources. The influence the environment has on human geography is also examined with respect to ethnic diversity, this native American past, settlement (urban and rural) population growth, agricultural regions, and the geo-economic challenges of the future. Applies to Associate Degree. Transfer credit: CSU; UC.

GEOLOGY

GEOL M02 Physical Geology 3.00 Units
Introduces geologic materials and processes that shape Earth and its environments. Examines global plate tectonic processes and their relationship to earthquakes, volcanoes, mountain building, formation of rocks, minerals and natural resources, and rock structures (folds and faults). Includes a study of mass movements and glacial, river, and coastal processes that form Earth’s landscapes. Emphasizes relationships between humans and geologic processes. Applies to Associate Degree. Transfer credit: CSU; UC.
GEOL M02L  
Physical Geology Lab  
1.00 Unit  
CO-REQUISITE: Completion of or concurrent enrollment in GEOL M02  
OTHER: Field trips will be required  
Provides hands-on experience in identifying minerals, fossils, as well as igneous, sedimentary, and metamorphic rocks. Introduces topographic and geographic map interpretation and practice using remote sensing, aerial photographs, and maps to recognize landforms and geologic structures. Emphasizes laboratory and field observation and scientific analysis of geologic data. Applies to Associate Degree. Transfer credit: CSU; UC.

GEOL M03  
Earth History  
3.00 Units  
Introduces geologic history of the earth and evolution of life revealed by fossil records. Reviews elementary problems in paleontology, stratigraphy, and structure and geologic mapping. Applies to the Associate Degree. Transfer credit: CSU; UC.

GEOL M05  
The World Ocean  
3.00 Units  
Introduces the geological, physical and chemical characteristics of the ocean. Reviews formation of the ocean basins, ocean currents, waves, tides, beaches, chemistry and marine pollution. Applies to the Associate Degree. Transfer credit: CSU; UC.

GERMAN  
GERM M01  
Elementary German I  
4.00 Units  
OTHER: Provider approved by the California Board of Registered Nursing, provider number CEP 02611 for 60 contact hours.  
Introduces the German language and culture(s) of the major German-speaking areas of Europe (Germany, Austria, Switzerland) and emphasizes speaking, understanding, reading, and writing skills. The course requires individualized work in language lab each week. Applies to Associate Degree. Transfer credit: CSU; UC.

GRAPHICS  
GR M10  
Introduction to Communication Design  
3.00 Units  
Fundamentals of communication design including design theory, the language and history of design, and contemporary design practices. Emphasis on basic principles and the human experience in design, including graphic design and advertising, industrial design, environmental design and electronic arts. Applies to Associate Degree. Transfer Credit: CSU; UC.

GR M23  
Introduction to Computer Graphics (Macintosh)  
3.00 Units  
Surveys computer graphics applications on the Macintosh Computer and introduces basic web design issues. Provides hands-on experience with Adobe Photoshop, Adobe Illustrator and QuarkXpress. Applies to Associate Degree. Transfer Credit: CSU.

GR M24A  
Desktop Publishing I  
3.00 Units  
PREREQUISITE: GR M20. Applies to Associate Degree.  
Introduces fundamentals and basic operating procedures of Adobe InDesign page layout and graphic software. Emphasizes practical application of InDesign on the PC platform including layout, typography and publication design. Requires creation of digital files for film output and camera-ready artwork for the reproduction process. Includes scanning graphic images for the printing process and PowerPoint presentations. Applies to Associate Degree. Transfer Credit: CSU.

GR M26  
Computer Assisted Illustration: (Macintosh); Illustrator  
3.00 Units  
PREREQUISITE: GR M23 or equivalent  
Introduces principles of design and computer illustration using Macintosh Computer and appropriate software. Emphasizes organization of visual material, including design concepts, typography, space, shape, line, and texture. Stresses creativity. Applies to Associate Degree.

GR M27  
Electronic and Digital Photography  
3.00 Units  
PREREQUISITE: A course in the discipline. Same course as PHOT M06  
Focuses on Adobe Photoshop for photography, computer graphics, illustration and graphic design. Includes appropriate techniques for scanning negatives, transparencies, reflective materials, type effects, color correction, selection techniques, special effects, channel calculations, adjustment layers, output devices and clipping paths/groups. Clarifies relationship between traditional film-based photography and digital techniques. May be taken two (2) times for credit. Applies to Associate Degree. Transfer Credit: CSU.

GR M30  
Design Fundamentals  
3.00 Units  
Provides a solid foundation for the student’s expanding abilities as designers. Develops visual and technical skills through problem solving and analytical thinking. Craftsmanship and use of design tools are emphasized through compositional and color exercises. Applies to Associate Degree. Transfer credit: CSU.

GR M31  
Graphics Design I  
2.00 Units  
Emphasizes graphic design principles as they relate to basic design problem solving, for the design and development of logos, symbols, corporate identification systems, cover/poster design. Requires a hands-on completion of each project, including the creation of roughs and final comprehensives for presentation. Transfer credit: CSU.

GR M32  
Graphic Design II  
3.00 Units  
PREREQUISITE: GR M31 or concurrent  
Introduces advertising layouts and their translation into camera-ready artwork, including rendering, type specifications and figure indication. Includes developing and executing comprehensive presentations, flat ads, packaging, posters and point-of-purchase displays. Applies to Associate Degree. Transfer credit: CSU.

GR M33  
Advertising Design  
2.00 Units  
PREREQUISITE: GR M32  
Introduces advertising layouts and their translation into camera-ready artwork, including rendering, type specifications and figure indication. Includes developing and executing comprehensive presentations, flat ads, packaging, posters and point-of-purchase displays. May be taken two times for credit. Applies to Associate Degree. Transfer credit: CSU.

GR M34  
Lettering and Typography  
2.00 Units  
PREREQUISITE: GR M31 or concurrent  
Introduces basic lettering with pen and brush. Includes construction of letters in Gothic, Roman, Italic, Script, Text and Modern type, emphasizing character form and distribution essential for page layout. Applies to Associate Degree. Transfer credit: CSU.

GR M40  
Beginning Illustration  
3.00 Units  
PREREQUISITE: Art M12A or concurrent  
Introduces pen and ink, watercolor, collage, and colored pencil techniques as principle means of self-expression. Analyzes topical themes and individual story lines as potential subject matter for weekly drawings. Same course as ART M40. Transfer credit: CSU.

Some class offerings and room assignments may have changed since printing this schedule.  
Please see the web for the most up to date class schedule at: http://students.vcccd.edu/scheds.htm
HED M10F Stress Management  _____________________________ 2.00 Units

Focuses on nature and function of women's health in our society. Introduces major female health problems, emphasizing both the individual's and the community's role in understanding medical advances and implementing their effects. Applies to Associate Degree. Transfer credit: CSU; UC (HED M02, M01, M07 combined: maximum credit, one course).

HED M02 Women's Health __________________________________ 2.00 Units

Focuses on nature and function of health in our society. The course is an overview of major health concepts designed to contribute to the students understanding of healthy living. Concepts included are: personal fitness; nutrition; mental health; personal relationships; harmful substances; environmental health; communicable diseases; chronic and degenerative disease; reproduction and contraception; and consumer health. Applies to Associate Degree. Transfer credit: CSU; UC (HED M01, M02 and M07 combined: maximum credit, one course).

HED M01 Health and Society __________________________________ 2.00 Units

Focus of the course is on the nature and function of health in our society. The course is an integrated approach to good health and physical fitness through the study of basic principles of exercise, nutrition and human behavior. Concepts will be applied to specific topics of current concern such as maintaining healthy weight, prevention of heart disease and stress management. Skills for incorporating habits and techniques into one's daily life will be stressed. Transfer Credit: CSU.

HED M03 Nutrition, Fitness and Stress Management _____________ 3.00 Units

Introduces special techniques and color to produce final background scenes using a various subjects, effects, and media. Emphasizes special effects for television and movies and for commercials. May be taken for a total of three (3) times for credit.

GR M60G Creating Background Illustration Scenes for Animation ___________ 3.00 Units

This course is a basic course covering the use of the airbrush including the basics of illustration and photo retouching for advertising, commercial and industrial applications. Emphasis is placed upon masking, paints, tip selections, air controls and care and preventative maintenance of equipment.

GR M50 Airbrush Techniques I ______________________________________ 3.00 Units

This advanced course introduces various color applications and techniques, such as transparent dyes, transparent and opaque designer color. Techniques and treatments are presented along with various "Tricks of the trade."

GR M51 Airbrush Techniques II ______________________________________ 3.00 Units

Introduces advanced studies in pen and ink, watercolor washes and mixed media, exploring individual style appropriate to magazine, newspaper and book illustration. Transfer credit: CSU. Same course as ART M41.

GR M42 Advanced Illustration ______________________________________ 3.00 Units

Introduces advanced individual style through advanced illustration techniques. Requires Individual projects. Same course as Art M42. May be taken two(2) times for credit. Applies to Associate Degree. Transfer Credit: CSU.

GR M41 Intermediate Illustration _________________________________ 3.00 Units

Introduces computer graphics practice designed for the student who needs to refine skills in a variety of software packages. Students will work on the Macintosh computer and have access to the Macintosh lab by appointment. May be taken four (4) times for credit. Applies to Associate Degree.

GR M60B Computer Graphics Practice ______________________________ 1.00 to 2.00 Units

This basic course covers the use of the airbrush including the basics of illustration and photo retouching for advertising, commercial and industrial applications. Emphasis is placed upon masking, paints, tip selections, air controls and care and preventative maintenance of equipment.

GR M60A Airbrush Practice ______________________________________ 1.00 Unit

Refine skills with airbrush and cover topics which are not covered in detail in other airbrush courses. May be taken 4 times for credit.

HED M07 Personal Health _________________________________________ 3.00 Units

Introduces procedures for rendering assistance in emergency First Aid situations. Successful course completion qualifies student for the American Red Cross Standard First Aid, Adult CPR, AED, and Child and Infant CPR Certifications. Applies to Associate Degree. Transfer credit: CSU; UC.

HED M05 First Aid and CPR ______________________________________ 3.00 Units

HED M10E Athletic Injuries Seminar ________________________________ 0.50 Unit

Examines medical aspects of athletic injury management including: prevention, first-aid, treatment, evaluation, and reconditioning. Applies to Associate Degree. Transfer credit: CSU.

HED M10F Stress Management ____________________________________ 0.50 Unit

Examines the physical, emotional, cognitive and behavioral effects of stress including: sources of stress, symptoms and physiology of the stress response, burnout, effective coping strategies and induction of the relaxation response. Applies to Associate Degree. Transfer credit: CSU.

HED M10M Healthful Eating ______________________________________ 0.50 Unit

Examines the foundation of nutrition science; nutrients, their individual requirements, nutrition guidelines, diets and fad diets, and nutritional standards. Discusses consumer issues, personal food choices, and the role of diet in the prevention of disease. Applies to Associate Degree. Transfer credit: CSU.

HED M10P Fitness for Life ________________________________________ 0.50 Unit

This course is a basic course covering the use of the airbrush including the basics of illustration and photo retouching for advertising, commercial and industrial applications. Emphasis is placed upon masking, paints, tip selections, air controls and care and preventative maintenance of equipment.

GR M50 Airbrush Techniques I ______________________________________ 3.00 Units

This basic course covers the use of the airbrush including the basics of illustration and photo retouching for advertising, commercial and industrial applications. Emphasis is placed upon masking, paints, tip selections, air controls and care and preventative maintenance of equipment.

GR M60A Airbrush Practice ______________________________________ 1.00 Unit

Refine skills with airbrush and cover topics which are not covered in detail in other airbrush courses. May be taken 4 times for credit.

HED M07 Personal Health _________________________________________ 3.00 Units

Introduces computer graphics practice designed for the student who needs to refine skills in a variety of software packages. Students will work on the Macintosh computer and have access to the Macintosh lab by appointment. May be taken four (4) times for credit. Applies to Associate Degree.

GR M60B Computer Graphics Practice ______________________________ 1.00 to 2.00 Units

Designed for the student who needs to refine skills in a variety of software packages. Students will work on the Macintosh computer and have access to the Macintosh lab by appointment. May be taken four (4) times for credit. Applies to Associate Degree.

GR M60G Creating Background Illustration Scenes for Animation ___________ 3.00 Units

Introduces special techniques and color to produce final background scenes using a various subjects, effects, and media. Emphasizes special effects for television and movies and for commercials. May be taken for a total of three (3) times for credit.

HEALTH EDUCATION

HED M01 Health and Society  ___________________________________________________________________________________________ 2.00 Units

Focus of the course is on the nature and function of health in our society. The course is an overview of major health concepts designed to contribute to the students understanding of healthy living. Concepts included are: personal fitness; nutrition; mental health; personal relationships; harmful substances; environmental health; communicable diseases; chronic and degenerative disease; reproduction and contraception; and consumer health. Applies to Associate Degree. Transfer credit: CSU; UC (HED M01, M02 and M07 combined: maximum credit, one course).

HED M02 Women's Health _________________________________________ 2.00 Units

Focuses on nature and function of women’s health in our society. Introduces major female health problems, emphasizing both the individual’s and the community’s role in understanding medical advances and implementing their effects. Applies to Associate Degree. Transfer credit: CSU; UC (HED M02, M01, M07 combined: maximum credit, one course).

HED M03 Nutrition, Fitness and Stress Management _____________ 3.00 Units

OTHER: Provider approved by the California Board of Registered Nursing, provider number CEP26811 for 45 contact hours.

This course is an integrated approach to good health and physical fitness through the study of basic principles of exercise, nutrition and human behavior. Concepts will be applied to specific topics of current concern such as maintaining healthy weight, prevention of heart disease and stress management. Skills for incorporating habits and techniques into one’s daily life will be stressed. Transfer Credit: CSU.

HED M05 First Aid and CPR ______________________________________ 3.00 Units

Introduces procedures for rendering assistance in emergency First Aid situations. Successful course completion qualifies student for the American Red Cross Standard First Aid, Adult CPR, AED, and Child and Infant CPR Certifications. Applies to Associate Degree. Transfer credit: CSU; UC.

HED M07 Personal Health _________________________________________ 3.00 Units

Introduces components and skills of health and wellness, reviewing positive behavioral changes and their effect on life. Emphasizes self- responsibility based on self-analysis and assessment. Applies to Associate Degree. Transfer credit: CSU; UC (HED M07, M01 and M02 combined: maximum credit, one course).

HED M10E Athletic Injuries Seminar ________________________________ 0.50 Unit

Examines medical aspects of athletic injury management including: prevention, first-aid, treatment, evaluation, and reconditioning. Applies to Associate Degree. Transfer credit: CSU.

HED M10F Stress Management ____________________________________ 0.50 Unit

Examines the physical, emotional, cognitive and behavioral effects of stress including: sources of stress, symptoms and physiology of the stress response, burnout, effective coping strategies and induction of the relaxation response. Applies to Associate Degree. Transfer credit: CSU.

HED M10M Healthful Eating ______________________________________ 0.50 Unit

Examines the foundation of nutrition science; nutrients, their individual requirements, nutrition guidelines, diets and fad diets, and nutritional standards. Discusses consumer issues, personal food choices, and the role of diet in the prevention of disease. Applies to Associate Degree. Transfer credit: CSU.

HED M10P Fitness for Life ________________________________________ 0.50 Unit

Introduces key concepts in physical fitness developing practical tools needed to assess personal levels of fitness and to create successful individualized exercise programs in injury-free environments. Reviews consumer tips for the health and fitness industry. Applies to Associate Degree. Transfer credit: CSU.

HED M10Q Health and Sexuality __________________________________ 0.50 Unit

Introduces health and human sexuality, including review of basic sexual anatomy, physiology of sexual response, sexually transmitted diseases, common impediments to healthy sexual functioning, sexual enhancement, and communication skills for achieving greater intimacy. Applies to Associate Degree. Transfer credit: CSU.
COURSE DESCRIPTION

HED M10R Diabetes Awareness
0.50 Unit
Provides a complete overview of diabetes, with an emphasis on diabetes nutrition, and the psychological and social impact on the individual. Includes step-by-step survival skills for dealing with the daily routine of diabetes care. Provides strategies for preventing diabetes complications. Demonstrates the process of carbohydrate counting and exercise as the cornerstones of diabetes management. Same course as NTS M10R. Applies to Degree. Transfer Credit: CSU.

HED M10S Sports Nutrition
0.50 Unit
Examine sports and exercise nutrition for athletes and non-athletes. Introduces social and behavioral aspects, by examining the components of fitness, body composition and the diet for optimal performance. Evaluates the dangers of "making weight", the use of supplements and fat diets. Provider approved by the California Board of Registered Nursing. Provider number CEP2811 for 7.5 contact hours. Same course as NTS M10S. Applies to Associate Degree. Transfer credit: CSU.

HEALTH INFORMATION MANAGEMENT

HIM M01 Introduction to Health Information Management
3.00 Units
Fundamental theories and practices of health information management, including healthcare systems, content and analysis of clinical records, application of data collection standards and regulations for accreditation, certification and licensure, forms design, integration of uniform data sets, use of manual and computerized indices and registries, and medical office procedures. Applies to Associate Degree. Transfer Credit: CSU.

HIM M02 Clinical Classification Systems ICD-9CM coding
3.00 Units
RECOMMENDED PREPARATION: ANPH M01 or both ANAT M01 & PHSO M01; HIM M01; HS M19 & HS M25
Overview of nomenclature and classification systems, focusing on coding inpatient clinical information from medical records; the International Classification of Diseases-9-CM coding; clinical modification, with instruction in coding diagnoses and procedures, sequencing and coding conventions, review of complications and co-morbidities; and coding software applications. Applies to Associate Degree. Transfer Credit: CSU.

HIM M03 Clinical Classification System CPT Procedural Coding
3.00 Units
RECOMMENDED PREPARATION: HIM M02
Beginning coding for alternative classification systems, focusing on HCPCS/CPT ambulatory care coding, ambulatory patient classifications, and resource-based relative value scales. Applies to Associate Degree. Transfer Credit: CSU.

HIM M04 Medical Insurance and Reimbursement
4.00 Units
RECOMMENDED PREPARATION: HIM M02 AND HIM M03
Medical insurance billing and current payment methodologies in in-patient and physician office’s settings, focusing on regulatory compliance and billing practices. Applies to Associate Degree. Transfer Credit: CSU.

HEALTH SCIENCES

HS M15 Pharmacology
3.00 Units
OTHER: Provider approved by the California Board of Registered Nursing. Provider number CEP2811 for 45 contact hours.
Introduces mechanisms and uses of currently available drugs, establishing foundation for understanding future developments in drug therapy and for administering drugs more efficiently and safely. Applies drug information and mathematical calculations in clinical setting. The course may be repeated to monitor constantly changing pharmaceutical approaches and resultant practical implications. Applies to Associate Degree. Transfer credit: CSU.

HS M16N Basic Skills for the Nurse
0.50 Unit
Provides basic client care skills to those preparing for a career in the nursing profession. The focus is on the essential principles and practices of safe, effective care in the multifaceted multicultural nursing field. Caring, safety, and basic documentation associated with providing client care are integrated throughout the course. It is recommended that this course be taken the semester before acceptance into the nursing program. Applies to Associate Degree.

HS M16R Basic Skills for the Radiologic Technologist
0.50 Unit
Provides basic knowledge of client care skills to those preparing for a career as a Radiographer. The focus is on the essential principles and practices of safe effective care in this constantly changing medical field. Safety, communications, documentation and cultural diversity are integrated throughout the course. It is recommended that this course be taken the semester before acceptance into the radiologic technology program. Applies to Associate Degree.

HS M17 Health Care Ethics
3.00 Units
OTHER: Provider approved by the California Board of Registered Nursing, provider number CEP2811 for 45 contact hours.
Introduces theoretical and applied ethics relating to problems in medicine, health care and the human life sciences. Includes examination of foundational moral principles and the main moral theories. Provides an introduction to ethics in general, a foundation for understanding legal implications in healthcare, and a framework for analyzing and resolving ethical problems through the application of ethical principles and critical thinking. (Same course as PHIL M17.) This is a required course for Radiologic Technology students. Applies to Associate Degree. Transfer credit: CSU.

HS M19 Medical Terminology
3.00 Units
Prepares for a career in the health care industry to understand and communicate medical information. This is a course in the language of medicine, which focuses on the building of medical words through the use of word components. The student will learn many of the basic words, prefixes, and suffixes upon which medical works are built. The course will assist the student in learning medical terms related to anatomy, physiology, diseases, diagnoses, pharmacology, therapeutics and common abbreviations. Applies to Associate Degree. Transfer credit: CSU.

HS M23 Pharmacology for Allied Health Professional
2.00 Units
Introduces pharmacology, providing the knowledge of basic pharmacological terminology and concepts, administration, and common generic and trade name medications. Applies to Associate Degree. Transfer credit: CSU.

Please see the web for the most up to date class schedule at: http://students.vcccd.edu/scheds.htm.
HS M24  Emergency Medical Technician I (Basic)  4.00 Unit

PREREQUISITE: HS M18 or American Heart Association Basic Life Support (BLS) CPR or American Red Cross CPR for the Professional Rescuer or American Safety and Health Institute CPR for the Professional Rescuer with current card.

RECOMMENDED PREPARATION: HS M19

Prepares the student to render pre-hospital basic life support at the scene of an emergency, during transport of the sick and injured or during inter-facility transfer. Selected topics in anatomy, physiology, patient assessment, and emergency will be presented. Successful completion of this course and HS M24L will allow the student to take the state and national certification examinations for EMT 1 (Basic). Applies to Associate Degree.

CO-REQUISITE: HS M24L taken concurrently

HS M24L  Emergency Medical Technician I (Basic) Lab  1.00 Unit

PREREQUISITE: HS M18 or American Heart Association Basic Life Support (BLS) CPR or American Red Cross CPR for the Professional Rescuer or American Safety and Health Institute CPR for the Professional Rescuer CO-REQUISITE: HS M24 taken concurrently

RECOMMENDED PREPARATION: HS M19

MATERIALS FEE: $92

Prepares the student to render pre-hospital basic life support at the scene of an emergency, during transport of the sick, injured or during inter-facility transfer. Applies the theory of patient assessment and emergency care presented in HS M24 EMT - Basic. Provides skills training and clinical experience in an emergency room and on an emergency vehicle. Successful completion of this course and HS M24 will allow the student to take the state certification for EMT-1 Basic (provided all other state requirements are met and the student is at least 18 years of age at the time of examination). Applies to Associate Degree. Transfer credit: CSU.

HS M24R  EMT-1 (Basic) Recertification  2.00 Units

PREREQUISITE: EMT-1 (Basic Certification) or expired EMT-1 (Basic) Certification -- not more than 24 months from expiration date and from US state.

Designed to update the emergency medical technician and meet state requirements for recertification. The course reviews life support assessment, emergency interventions, and the use of emergency equipment and supplies. May be taken a maximum of four (4) times for credit. Applies to Associate Degree.

HS M25  Introduction to Pathophysiology  4.00 Units

RECOMMENDED PREPARATION: ANPH M01

OTHER: Provider approved by the California Board of Registered Nursing, provider number CEP2811 for 60 contact hours.

Introduces fundamentals of Pathophysiology, focusing on physiologic changes and altered functions resulting from disease processes. Reviews principles from anatomy, physiology, and chemistry as foundation for study of basic disease process concepts, body systems, etiology, and pathogenesis of various disorders. Explores diagnostic procedures, preventative measures, and current therapeutic regimens. Applies to Associate Degree. Transfer credit: CSU.

HEBREW

HEB M01  Elementary Hebrew I  4 Units

Introduces Hebrew language, culture, history and people, emphasizing speaking, understanding, reading and writing skills. Provider approved by the California Board of Registered Nursing. Provider number CEP2811 for 60 contact hours. Applies to Associate Degree. Transfer credit: CSU; UC.

HISTORY

HIST M01A  An Introduction to Western Civilization  3.00 Units

Introduces important events and developments in Western civilization from prehistory through the sixteenth century. Focuses on ideas, institutions, and contributions. Applies to Associate Degree. Transfer credit: CSU; UC.

HIST M01B  An Introduction to Western Civilization  3.00 Units

Introduces important events and developments in Western civilization from the seventeenth century to modern times. Focuses on ideas and institutions. (HIS M01A not prerequisite). Applies to Associate Degree. Transfer credit: CSU; UC.

HIST M03A  African American History to 1877  3.00 Units

A survey of United States history with an emphasis on the African American experience from 15th century Africa to the era of Reconstruction. Focuses on the political, social, economic, cultural and intellectual trials of African Americans and their contributions to the growth and development of the United States. Partially satisfies the Title V United States History, Constitution, and American Ideals requirement. Applies to Associate Degree. Transfer credit: CSU; UC.

HIST M04  History of Mexican Americans in the United States  3.00 Units

A survey of the American experience from colonial beginnings to the present, emphasizing the history of Mexican Americans. Examines the changing roles and contributions of Mexican Americans in the context of the social, political, and economic history of the United States. (Same course as CHST M04.) Applies to Associate Degree. Transfer credit: CSU; UC.

HIST M06  History of American Indian  3.00 Units

Introduces the history of the indigenous people of North America from the pre-Columbian era to the present. Emphasizes American Indian and Euro-American interaction, U.S. policy development and the roles played by American Indians to ensure their survival and cultural integrity into the 21st century. Applies to Associate Degree. Transfer credit: CSU; UC.

HIST M07A  Social and Political History of the United States  3.00 Units

Introduces creation and development of American society to 1865, analyzing impact of individuals and groups. Explores colonial foundation of American cultural heritage; growth of US political party system; women and social reform; the institution of and movement to abolish slavery; and the Civil War, including its causes and repercussions. Partially satisfies the title V United States History, Constitution, and American Ideals requirement. Applies to Associate Degree. Transfer credit: CSU; UC.

HIST M07B  Social and Political History of the United States  3.00 Units

Focuses on major social and political reform movements since 1865 as well as the United States' role as a major world power in international affairs. Applies to Associate Degree. Transfer credit: CSU; UC.
COURSE DESCRIPTION

(formerly ID M08). Applies to Associate Degree. Transfer credit: CSU.

(formerly ID M06). Applies to Associate Degree. Transfer credit: CSU.

(formerly ID M05). Applies to Associate Degree. Transfer credit: CSU.

RECOMMENDED PREPARATION: SPCH M01 and ID M11

Intermediate course refines students' skills in applying the principles and elements of Interior Design. Students explore diverse interior
file and utilizing it in the procurement, specification, and pricing for a design project.

Intermediate course refines students' skills in applying the principles and elements of Interior Design. Students explore diverse interior
evironments and develop design solutions that meet function, aesthetics, psychological, and emotional requirements of the inhabitants.

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Please see the web for the most up to date class schedule at: http://students.vcccd.edu/scheds.htm.
JOURNALISM

JOUR M01 Media and Society 3.00 Units
Explores the history, laws, methods and media of mass communications and their impacts on American consumers and society. Examines the ethics and effects of today's mass media. Transfer credit: CSU; UC.

JOUR M02 Writing /Reporting for Media 3.00 Units
Introduces reporting and writing for media, including print, online and broadcast. Focuses on fundamentals of reporting, writing and critical thinking skills, with emphasis on accuracy, balance, ethics and awareness of media law. Teaches skills needed to conceive, plan, report and write news and feature stories for print, online and broadcast, and coordinate stories with photographs or other multimedia illustrations. Applies to Associate Degree. Transfer credit: CSU; UC.

JOUR M08 Basic Photo-Journalism 3.00 Units
PREREQUISITE: PHOT M01A or suitable portfolio
Introduces aspects of photography applicable to mass communication, broadcast and print journalism. Concentrates on translating ideas to images for reproduction in magazines and newspapers and as book illustrations. Includes special effects, use of camera and light as creative tools, and basic motion picture techniques. May be taken two (2) times for credit. (Same course as PHOT M08). Applies to Associate Degree. Transfer credit: CSU; UC.

JOUR M10A News Media Staff 3.00 Units
Application of journalistic fundamentals and ethics in writing, photography, videography, and multimedia to create, write and produce stories and images for print, web and broadcast for publication in the student news media. Applies to Associate Degree. Transfer credit: CSU.

JOUR M10B News Media Staff Editing 3.00 Units
RECOMMENDED PREPARATION: JOUR M02 or concurrent enrollment; or JOUR M10A.
Plan, design and produce student media, online, in print and broadcast. As staff editors, students plan sections, pages and news packages; assign and coordinate stories, photos, video and other graphic elements; and work directly with student writers and advise. For online, add 1 credit.

JOUR M10C Newspaper Production 3.00 Units
RECOMMENDED PREPARATION: GR M23, GR M20 or equivalent.
Provides hands-on experience in the pagination and production of the college newspaper. Students learn to electronically assemble the newspaper using computers, scanners and other related equipment. This course includes techniques in electronic assembly for both print and web production. May be taken for a maximum of two (2) times for credit. Transfer Credit: CSU.

JOUR M12 Broadcast Journalism 3.00 Units
RECOMMENDED PREPARATION: JOUR M02 or concurrent enrollment in JOUR M13/RT M13.
Provides practice and application in developing and preparing content for radio, television and online. Develops interviewing and other news gathering skills, as well as content synthesis with concern for accuracy, balance, fairness and journalistic ethics. Includes writing and editing original copy as well as practice rewriting wire service copy for on-air and online use. (Same course as RT M12). Applies to Associate Degree. Transfer credit: CSU.

JOUR M13 Broadcast News Production 3.00 Units
RECOMMENDED PREPARATION: RT M02A or RT M02B or concurrent enrollment in JOUR M12 / RT M12.
Training in producing news for television and multimedia applications with an emphasis on the use of digital newsgathering equipment, producing newscasts and on-air presentation of completed stories. Provides operational skills and techniques through practical hands-on experiences in: studio directing, location shooting, and editing. Students will form a crew and create news productions to air on the Moorpark College website. (Same course as RT M13). Applies to Associate Degree. Transfer credit: CSU.
### MATHEMATICS

**MATH M01**  
**Elementary Algebra**  
5.00 Units  
**RECOMMENDED PREPARATION:** MATH M09 or equivalent college course  
Briefly reviews arithmetic, including integers, fractions and decimals. Covers linear equations and inequalities, graphing, systems of linear equations, polynomials, rational expressions, integer exponents, square roots and radical expressions, and quadratic equations and the quadratic formula. Applies to Associate Degree.

**MATH M01A**  
**Elementary Algebra Part A**  
3.00 Units  
**RECOMMENDED PREPARATION:** MATH M09  
**OTHER:** Both MATH M01A and M1B must be taken for credit to be given for MATH M01.  
Briefly reviews arithmetic, including integers, fractions, and decimals. Covers linear equations and inequalities, graphing, and systems of linear equations. Does not apply toward Associate Degree.

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COURSE DESCRIPTION

MATH M03 Intermediate Algebra 5.00 Units
RECOMMENDED PREPARATION: MATH M01
Reviews elementary algebra, including factoring, rational expressions, linear equations, and inequalities. Covers determinants and Cramer’s Rule, exponents and radicals, complex numbers, functions and graphs, quadratic equations, and exponential and logarithmic functions. Applies to Associate Degree.

MATH M03A Intermediate Algebra Part A 3.00 Units
RECOMMENDED PREPARATION: MATH M01 or MATH M01B
OTHER: The first part of a two-semester course. MATH M03A and MATH M03B are equivalent to MATH M03. A student may receive unit credit for either MATH M03 or MATH M03A and MATH M03B, not both. A student may receive unit credit for either MATH M03 or MATH M03A and MATH M03B, not both. MATH M03A and MATH M03B are equivalent to MATH M03.
Reviews elementary algebra and covers equations, inequalities, problems solving, graphs and functions, systems of equations, polynomials, and rational polynomial expressions. The first part of a two-semester course. Reviews elementary algebra and covers equations, inequalities, problems solving, graphs and functions, systems of equations, polynomials, and rational polynomial expressions. Applies to Associate Degree.

MATH M03B Intermediate Algebra Part B 3.00 Units
RECOMMENDED PREPARATION: MATH M01 or MATH M01B
OTHER: The second part of a two-semester course. MATH M03A and MATH M03B are equivalent to MATH M03. A student may receive unit credit for either MATH M03 or MATH M03A and MATH M03B, not both. A student may receive unit credit for either MATH M03 or MATH M03A and MATH M03B, not both. MATH M03A and MATH M03B are equivalent to MATH M03.
Reviews elementary algebra and covers equations, inequalities, problems solving, graphs and functions, systems of equations, polynomials, and rational polynomial expressions. The second part of a two-semester course. Reviews elementary algebra and covers equations, inequalities, problems solving, graphs and functions, systems of equations, polynomials, and rational polynomial expressions. Applies to Associate Degree.

MATH M04A Elementary and Intermediate Algebra Part A 5.00 Units
RECOMMENDED PREPARATION: MATH M09
OTHER: The first part of a two-semester course. A passing grade in both MATH M04A and MATH M04B must be obtained in order to receive unit credit for Elementary and Intermediate Algebra. Students receiving credit in both MATH M04A and MATH M04B will not receive credit for MATH M01 or MATH M03.
Reviews integer and fraction computations. Covers linear equations and inequalities, graphing, linear functions, systems of linear equations, integer exponents, polynomials, factoring, rational expressions and equations. Applies to Associate Degree.

MATH M04B Elementary and Intermediate Algebra Part B 3.00 Units
RECOMMENDED PREPARATION: MATH M09
OTHER: The second part of a two-semester course. A passing grade in both MATH M04A and MATH M04B must be obtained in order to receive unit credit for Elementary and Intermediate Algebra. Students receiving credit in both MATH M04A and MATH M04B will not receive credit for MATH M01 or MATH M03.
Reviews integer and fraction computations. Covers linear equations and inequalities, graphing, linear functions, systems of linear equations, integer exponents, polynomials, factoring, rational expressions and equations. Applies to Associate Degree.

MATH M05 College Algebra 3.00 Units
PREREQUISITE: MATH M03, (Math M06 may be taken concurrently).
OTHER: Completing MATH M05 and MATH M06 is same as completing MATH M07
Covers polynomial functions, rational functions, theory of equations, logarithmic and exponential functions, complex numbers, mathematical induction, sequences and series, binomial theorem, and matrices and determinants. Applies to Associate Degree. Transfer credit: CSU; UC.

MATH M06 Trigonometry 3.00 Units
PREREQUISITE: MATH M05. (Math M05 may be taken concurrently)
OTHER: Completion of Math M05 and Math M06 is equivalent to completing MATH M07
Covers functions, trigonometric functions, solutions of triangles, radian measure, analytic trigonometry, trigonometric identities and equations, composite angle identities, inverse trigonometric functions, complex numbers, and polar coordinates. Applies to Associate Degree. Transfer credit: CSU.

MATH M07 College Algebra and Trigonometry 5.00 Units
PREREQUISITE: MATH M03
OTHER: Students taking Math M05, Math M06, and Math M07 will receive a maximum of 6 units credit. Completion of Math M07 is equivalent to completing both Math M05 and Math M06
Integrates college algebra and trigonometry. Recommended if entering MATH M25A/B/C sequence. Includes basic algebraic concepts, equations and inequalities of the first and second degree, functions and graphs, linear and quadratic functions, polynomial functions of higher degree, rational functions, exponential and logarithmic functions, trigonometric functions, analytical trigonometry, systems of equations and inequalities, and sequences and series. Applies to Associate Degree. Transfer credit: CSU; UC maximum credit allowed -- 4 units if combined with Math M05 and M12.

MATH M09 Pre-Algebra 3.00 Units
RECOMMENDED PREPARATION: Competence with whole number arithmetic (addition, subtraction, multiplication and division of whole numbers)
Prepares students for algebra, emphasizes basic arithmetic operations on fractions, decimals, and signed numbers. Provides drills to reinforce operations. Emphasizes problem solving and practical applications on topics such as percent, proportion, and measurement. Includes an introduction to basic algebra. Does not apply toward a degree.

MATH M10 Mathematics for Elementary Teachers 3.00 Units
PREREQUISITE: MATH M03
Covers language of sets, systems of numeration, nature of numbers and the fundamentals of operations, domain of integers, and fields of rational and real numbers. Not recommended for majors in physical sciences or mathematics.
Transfer credit: CSU; UC.

MATH M13 Mathematical Ideas 3.00 Units
PREREQUISITE: Math M03
Introduces liberal arts students to the nature of mathematics, the character and origin of different subject fields in mathematics and the application of mathematics to several disciplines. Includes topics in logic, voting theory, management science including circuits, probability, statistics, growth and geometry and related applications such as the traveling salesman problem, fair division, symmetry in nature, and population growth. Applies to Associate Degree. Transfer credit: CSU; UC.

MATH M15 Introductory Statistics 5.00 Units
PREREQUISITE: Math M03. Applies to Associate Degree
OTHER: Students cannot complete both MATH M15 and MATH M15H (Honors) courses because credit will only be awarded to the first course completed.
Explores nature of statistical methods, including description of sample data, probability, theoretical frequency distributions, sampling, estimation, testing hypotheses and special topics. Provides problem-solving techniques. Applies to Associate Degree. Transfer Credit: CSU; UC.

MATH M16A Applied Calculus I 3.00 Units
PREREQUISITE: MATH M05 or MATH M07
Covers limits, continuity, and differentiation. Applies differential calculus to problems in business, economics, social and biological sciences. Introduces anti-differentiation. Applies to Associate Degree. Transfer credit: CSU; UC.

MATH M16B Applied Calculus II 3.00 Units
PREREQUISITE: MATH M16A or MATH M25A
Includes integration, elementary and separable differential equations, functions of several variables, partial derivatives, relative maxima and minima, Lagrange multipliers, method of least squares, double integrals, infinite series, Taylor Approximation, and Newton’s method. Applies calculus to problems in business, economics, and social and biological sciences. Transfer credit: CSU; UC.
COURSE DESCRIPTION

MATH M25A Calculus and Analytical Geometry I 5.00 Units
PREREQUISITE: MATH M05 and M06 or MATH M07
OTHER: Students cannot complete both MATH M25 and MATH M25H (Honors) courses because credit will only be awarded to the first course completed.
Covers limits, continuity, differentiation and integration of algebraic functions with applications, differentiation and integration of elementary transcendental functions with applications, and solutions of first order, separable differential equations with applications. Applies to Associate Degree. Transfer credit: CSU; UC. Maximum credit allowed - one course if combined with MATH M16A.

MATH M25AH Honors: Calculus Analytical Geometry I 5.00 Units
PREREQUISITE: MATH M05 AND MATH M06 OR MATH M07 RECOMMENDED PREPARATION: MATH M02
OTHER: Students cannot complete both MATH M25 and MATH M25H (Honors) courses because credit will only be awarded to the first course completed.
Provides Honors work covering limits, continuity, differentiation and integration of algebraic functions with applications, differentiation and integration of elementary transcendental functions with applications, and solutions of first order, separable differential equations with applications. Emphasizes mathematical rigor and in depth analysis of real-world applications. Honors work challenges students to be more analytical and creative through expanded assignments and enrichment opportunities. Applies to Associate Degree. Transfer credit: CSU; UC.

MATH M25B Calculus with Analytical Geometry II 5.00 Units
PREREQUISITE: MATH M25A or MATH M16B
Reviews differentiation and integration of logarithmic and exponential functions, then covers inverse trigonometric and hyperbolic functions, techniques of integration, improper integrals and L'Hôpital's Rule, sequences, series, and Taylor's Theorem, and analytical geometry including conic sections, translations, rotations, and applications of integration and differentiation. Applies to Associate Degree. Transfer credit: CSU; UC. Maximum credit allowed - one course if combined with MATH M16B.

MATH M25C Calculus with Analytical Geometry III 5.00 Units
PREREQUISITE: MATH M25B
Covers vectors in plane and in three dimensional space, dot and cross products, spherical and cylindrical coordinates, functions of several variables, partial derivatives, gradients, Lagrange multipliers, multiple integrals and their applications, vector calculus with line and surface integrals, Green's, Stokes', and Divergence Theorems and applications. Applies to Associate Degree. Transfer credit: CSU; UC.

MATH M31 Introduction To Linear Algebra 3.00 Units
PREREQUISITE: MATH M25B or equivalent course
Covers linear systems, matrices, vector spaces, linear transformations, eigenvectors and eigenvalues, proofs, and applications. Applies to Associate Degree. Transfer credit: CSU, UC.

MATH M35 Applied Differential Equations 3.00 Units
PREREQUISITE: MATH M25B or equivalent course.
Covers ordinary differential equations, equations with constant coefficients, variation of parameters, Laplace transforms, systems of linear equations, first order differential equations, series solutions, and existence and uniqueness of solutions. Emphasizes applications to physics and engineering as well as an introduction numerical solutions. Applies to Associate Degree. Transfer credit: CSU; UC.

MICROBIOLOGY

MICR M01 General Microbiology 5.00 Units
PREREQUISITE: BIOL M02A or M04 or equivalent & CHEM M01A or M12 or equivalent or high school chemistry
Microbiological principles and lab techniques related to the morphology, metabolism, genetics, classification, and ecology of bacteria are emphasized. Characterization of viruses and eukaryotic microorganisms is also covered. Content on human disease includes characteristics of pathogens, immunology, and epidemiology. Laboratory exercises include aseptic technique, staining, the determination of bacterial growth conditions and requirements, and the identification of an unknown bacterium. In addition, clinical applications are included in lab exercises, as well as the examination of the bacteriology of water, soil, and food. Applies to Associate Degree. Transfer credit: CSU; UC.

MULTIMEDIA

MM M10 Introduction to Digital Media 3.00 Units
RECOMMENDED PREPARATION: Eligibility for ENGL M01A
Introduction to the technology, concepts and principles of production used in the New Media industry. Beginning with 2D and 3D presentations, students will look at integration of graphics, text, sound and video for platforms such as the World Wide Web, CD-ROM, DVD, and interactive television. Students will learn to think critically about design for multimedia, while considering the practical, technical, production, and budgetary constraints. Students will also study the history of multimedia, and gain hands-on experience in the basics of multimedia design and production using Adobe Photoshop and Macromedia Flash. (Formerly MM M01) Applies to Associate Degree. Transfer credit: CSU

MM M20 Web Design 3.00 Units
RECOMMENDED PREPARATION: Eligibility for English M01A; Computer fundamentals including operating systems, file management, word processing; MM M10, CIS M30
Introduction to the fundamental aspects of web design, including information architecture, interface design, usability, color theory, web graphics, file formats, and hosting. Still images, simple animation, type, desktop video and sound, and basic interactivity will be used in the design process. Students will produce projects from concept to completion using Macromedia Fireworks, Flash and Dreamweaver. (Formerly MM M02) Applies to Associate Degree. Transfer credit: CSU

MM M30 Motion Graphics 3.00 Units
Develops the concepts, skills and techniques used in creating and editing motion graphics through hands-on digital video production exercises. Fundamental principles of time-based design, including forms of narrative, storyboarding, composition, visual design and sound and motion will be explored. Using video editing software and Adobe After Effects, students will produce projects from concept to completion. (Formerly MM M03) Applies to Associate Degree. Transfer credit: CSU.

MM M40 Introduction to 3D Modeling and Animation 3.00 Units
RECOMMENDED PREPARATION: Eligibility for ENGL M01A
Introduces the fundamental concepts of 3D computer design, including: modeling, texture mapping and animation. Students create character animation, construct set designs, and complete an independent animated project. Emphasis is upon the conceptual issues and strategies in project development, as well as a working knowledge of Cinema 4D software. (Formerly MM M04). Applies to Associate Degree. Transfer credit: CSU.

Please see the web for the most up to date class schedule at: http://students.vcccd.edu/scheds.htm.
MUS M01 Fundamentals of Music 3.00 Units
Introduces music theory, notation, intervals, scales, triads, sight-singing, and dictation. This course is designed for the student with little or no prior experience in music, and for music majors and minors to fulfill the prerequisite for MUS M02A. Applies to Associate Degree. Transfer Credit: CSU; UC.

MUS M02A Theory I - Diatonic Harmony 3.00 Units
PREREQUISITE: MUS M01
CO-REQUISITE: MUS M02AL
Studies diatonic harmonic vocabulary, four-part choral writing and voice leading, figured bass, harmonic progression, melodic invention and harmonization and non-harmonic tones. Applies to Associate Degree. Transfer Credit: CSU; UC.

MUS M02A Honors: Survey of World Music 3.00 Units
SURVEYS selected world music traditions, examining style, performance practice, and cultural context. The course provides students an appreciation of the range and diversity of musical expression in a variety of world cultures, Western and Non-Western. Requires field trips and concert attendance. Applies to Associate Degree. Transfer credit: CSU; UC. (under review).

MUS M02B Theory II-Chromatic Harmony 3.00 Units
PREREQUISITE: MUS M02A and MUS M02AL
CO-REQUISITE: MUS M02BL
Emphasizes pivot chord modulation. Studies chromatic harmonic vocabulary, foreign key modulation, keyboard and instrumental styles, and composition. Applies to Associate Degree. Transfer Credit: CSU; UC.

MUS M02B Honors: Survey of World Music 3.00 Units
SURVEYS selected world music traditions, examining style, performance practice, and cultural context. The course provides students an appreciation of the range and diversity of musical expression in a variety of world cultures, Western and Non-Western. Requires field trips and concert attendance. Applies to Associate Degree. Transfer credit: CSU; UC. (under review).

MUS M02C Theory III-Musical Analysis 3.00 Units
PREREQUISITE: MUS M02B and M02BL
CO-REQUISITE: MUS M02CL
Examination of complex harmonic problems and musical form while surveying musical literature from the Baroque to the early 20th century. Applies to Associate Degree. Transfer Credit: CSU; UC.

MUS M02C Honors: Survey of World Music 3.00 Units
OTHER: Students cannot complete both MUS M04H and MUS M04H (Honors) courses because credit will only be awarded to the first course completed. Honors work in examining selected world music traditions, with a focus on style, performance practice, and cultural context. The course provides honors students an appreciation of the range and diversity of musical expression in a variety of world cultures, Western and Non-Western. Requires field trips and concert attendance. Applies to Associate Degree. Transfer credit: CSU; UC.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUS M08</td>
<td>Music Appreciation</td>
<td>3.00</td>
</tr>
<tr>
<td>MUS M09A</td>
<td>Music History I</td>
<td>3.00</td>
</tr>
<tr>
<td>MUS M10</td>
<td>Concert Choir</td>
<td>2.00</td>
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<tr>
<td>MUS M12</td>
<td>Vocal Ensemble</td>
<td>2.00</td>
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<tr>
<td>MUS M13A</td>
<td>Fundamentals of Vocal Technique I</td>
<td>2.00</td>
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<tr>
<td>MUS M13B</td>
<td>Fundamentals of Vocal Technique II</td>
<td>2.00</td>
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<tr>
<td>MUS M13C</td>
<td>Advanced Vocal Development I</td>
<td>2.00</td>
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<tr>
<td>MUS M13D</td>
<td>Advanced Vocal Development II</td>
<td>2.00</td>
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<tr>
<td>MUS M15</td>
<td>Moorpark Community Orchestra</td>
<td>1 to 2.00</td>
</tr>
<tr>
<td>MUS M18</td>
<td>Studio Jazz Ensemble</td>
<td>2.00</td>
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<tr>
<td>MUS M19</td>
<td>Chamber Ensembles</td>
<td>2.00</td>
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<tr>
<td>MUS M20</td>
<td>Piano Ensemble</td>
<td>2.00</td>
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<tr>
<td>MUS M21</td>
<td>Wind Ensemble</td>
<td>2.00</td>
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<tr>
<td>MUS M23</td>
<td>Moorpark Symphony Orchestra</td>
<td>1.00  to 2.00</td>
</tr>
<tr>
<td>MUS M25A</td>
<td>Class Piano-Beginning I</td>
<td>2.00</td>
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<tr>
<td>MUS M25B</td>
<td>Class Piano-Beginning II</td>
<td>2.00</td>
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</tbody>
</table>

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<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUS M25C</td>
<td>Class Piano-Intermediate I</td>
<td>2.00</td>
<td>PREREQUISITE: MUS M25B. Provides further development of greater independence of hands and reinforces the fundamentals of expressive piano playing at the early-intermediate level, including music reading, technique, improvisation, scales, and chords. Includes an overview and study of the didactic works of the major important composers at the early-intermediate level, with emphasis on historically accurate interpretation. Applies to Associate Degree. Transfer credit: CSU; UC.</td>
</tr>
<tr>
<td>MUS M25D</td>
<td>Class Piano-Intermediate II</td>
<td>2.00</td>
<td>PREREQUISITE: MUS M25C. Provides further development of greater independence of hands and reinforces the fundamentals of expressive piano playing at the later-intermediate level, including music reading, technique, improvisation, scales, and chords. Includes an overview and study of the didactic works of the major important composers at the later-intermediate level, with emphasis on historically accurate interpretation. Applies to Associate Degree. Transfer credit: CSU; UC.</td>
</tr>
<tr>
<td>MUS M29</td>
<td>Repertoire Class</td>
<td>1.00</td>
<td>PREREQUISITE: MUS M30. Requires student performance of musical literature studied in MUS M30A-G. Discusses various issues concerning public performance. May be taken for a maximum of 4 times. Applies to Associate Degree. Transfer credit: CSU; UC.</td>
</tr>
<tr>
<td>MUS M30A</td>
<td>Applied Music-Woodwind</td>
<td>1.00</td>
<td>PREREQUISITE: MUS M29, MUS M02A/M02AL, or MUS M02B/M02BL or MUS M02C/M02CL or MUS M02D or M02DL, MUS M10, MUS M12, MUS M15, MUS M18, MUS 19, MUS M20, MUS M21, MUS M23, MUS M60D, MUS M60G, MUS M60P or MUS M60V. OTHER: Performance at college level, with audition based on repertoire standards established by the Music Department. Provides a one-hour private weekly lesson in performance of literature for the individual instrument. May be taken four (4) time for credit. Applies to Associate Degree. Transfer credit: CSU; UC.</td>
</tr>
<tr>
<td>MUS M30B</td>
<td>Applied Music-Brass</td>
<td>1.00</td>
<td>PREREQUISITE: MUS M29, MUS M02A/M02AL, or MUS M02B/M02BL or MUS M02C/M02CL or MUS M02D or M02DL, MUS M10, MUS M12, MUS M15, MUS M18, MUS 19, MUS M20, MUS M21, MUS M23, MUS M60D, MUS M60G, MUS M60P or MUS M60V. OTHER: Performance at college level, with audition based on repertoire standards established by the Music Department. Provides a one-hour private weekly lesson in performance of literature for the individual instrument. May be taken four (4) time for credit. Applies to Associate Degree. Transfer credit: CSU; UC.</td>
</tr>
<tr>
<td>MUS M30C</td>
<td>Applied Music-Strings</td>
<td>1.00</td>
<td>PREREQUISITE: MUS M29, MUS M02A/M02AL, or MUS M02B/M02BL or MUS M02C/M02CL or MUS M02D or M02DL, MUS M10, MUS M12, MUS M15, MUS M18, MUS 19, MUS M20, MUS M21, MUS M23, MUS M60D, MUS M60G, MUS M60P or MUS M60V. OTHER: Performance at college level, with audition based on repertoire standards established by the Music Department. Provides a one-hour private weekly lesson in performance of literature for the individual instrument. May be taken four (4) time for credit. Applies to Associate Degree. Transfer credit: CSU; UC.</td>
</tr>
<tr>
<td>MUS M30D</td>
<td>Applied Music-Piano</td>
<td>1.00</td>
<td>PREREQUISITE: MUS M29, MUS M02A/M02AL, or MUS M02B/M02BL or MUS M02C/M02CL or MUS M02D or M02DL, MUS M10, MUS M12, MUS M15, MUS M18, MUS 19, MUS M20, MUS M21, MUS M23, MUS M60D, MUS M60G, MUS M60P or MUS M60V. OTHER: Performance at college level, with audition based on repertoire standards established by the Music Department. Provides a one-hour private weekly lesson in performance of literature for the individual instrument. May be taken four (4) time for credit. Applies to Associate Degree. Transfer credit: CSU; UC.</td>
</tr>
<tr>
<td>MUS M30E</td>
<td>Applied Music-Class Guitar</td>
<td>1.00</td>
<td>PREREQUISITE: MUS M29, MUS M02A/M02AL, or MUS M02B/M02BL or MUS M02C/M02CL or MUS M02D or M02DL, MUS M10, MUS M12, MUS M15, MUS M18, MUS 19, MUS M20, MUS M21, MUS M23, MUS M60D, MUS M60G, MUS M60P or MUS M60V. OTHER: Performance at college level, with audition based on repertoire standards established by the Music Department. Provides a one-hour private weekly lesson in performance of literature for the individual instrument. May be taken four (4) time for credit. Applies to Associate Degree. Transfer credit: CSU; UC.</td>
</tr>
<tr>
<td>MUS M30F</td>
<td>Applied Music-Percussion</td>
<td>1.00</td>
<td>PREREQUISITE: MUS M29, MUS M02A/M02AL, or MUS M02B/M02BL or MUS M02C/M02CL or MUS M02D or M02DL, MUS M10, MUS M12, MUS M15, MUS M18, MUS 19, MUS M20, MUS M21, MUS M23, MUS M60D, MUS M60G, MUS M60P or MUS M60V. OTHER: Performance at college level, with audition based on repertoire standards established by the Music Department. Provides a one-hour private weekly lesson in performance of literature for the individual instrument. May be taken four (4) time for credit. Applies to Associate Degree. Transfer credit: CSU; UC.</td>
</tr>
<tr>
<td>MUS M30G</td>
<td>Applied Music-Voice</td>
<td>1.00</td>
<td>PREREQUISITE: MUS M29, MUS M02A/M02AL, or MUS M02B/M02BL or MUS M02C/M02CL or MUS M02D or M02DL, MUS M10, MUS M12, MUS M15, MUS M18, MUS 19, MUS M20, MUS M21, MUS M23, MUS M60D, MUS M60G, MUS M60P or MUS M60V. OTHER: Performance at college level, with audition based on repertoire standards established by the Music Department. Provides a one-hour private weekly lesson in performance of literature for the individual instrument. May be taken four (4) time for credit. Applies to Associate Degree. Transfer credit: CSU; UC.</td>
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</table>

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CO-REQUISITE: NS M04L
PREREQUISITE: NS M03, NS M03L

MUS M02 Intermediate Nursing Science I _________________________________________5.00 Units
MUS M02L Intermediate Nursing Science Clinical Laboratory I ____________________4.50 Units
MUS M32 Class Guitar ____________________________________________________________2.00 Units
MUS M60A Intermediate Orchestral Techniques ______________________________________1 to 2.00 Units
MUS M60F Advanced Orchestral Techniques __________________________________________2.00 Units
MUS M60A Intermediate Orchestral Techniques
MUS M60F Advanced Orchestral Techniques
MUS M60F Advanced Orchestral Techniques

NS M01 Beginning Nursing Science_______________________________________________4.00 Units
NS M01L Beginning Nursing Science Clinical Laboratory I ____________________________4.50 Units
NS M02 Intermediate Nursing Science I ____________________________________________5.00 Units
NS M02L Intermediate Nursing Science Clinical Laboratory I _________________________4.50 Units
NS M03 Intermediate Nursing Science II ___________________________________________5.00 Units
NS M03L Intermediate Nursing Science Clinical Laboratory II _________________________5.00 Units
NS M04 Advanced Nursing Science _______________________________________________4.00 Units

NS M01L Beginning Nursing Science Clinical Laboratory I
NS M02 Intermediate Nursing Science I
NS M02L Intermediate Nursing Science Clinical Laboratory I
NS M03 Intermediate Nursing Science II
NS M03L Intermediate Nursing Science Clinical Laboratory II
NS M04 Advanced Nursing Science

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PHILOSOPHY

PHIL M01 Introduction to Philosophy 3.00 Units
OTHER: Students cannot complete both PHIL M01 and PHIL M01H (Honors) courses because credit will only be awarded to the first course completed.

Systematically explores the concepts of knowledge, reality, and value, including review of epistemology, metaphysics, ethics, aesthetics, political philosophy, and philosophy of religion. Introduces idealism, realism, skepticism, materialism, and relativism. Applies to Associate Degree. Transfer credit: CSU; UC.

PHIL M01H Honors: Introduction to Philosophy 3.00 Units
OTHER: Students cannot complete both PHIL M01 and PHIL M01H (Honors) courses because credit will only be awarded to the first course completed.

Honors work in the systematic exploration of the concepts of knowledge, reality, and value, including review of epistemology, metaphysics, ethics, aesthetics, political philosophy, and philosophy of religion. Introduces idealism, realism, skepticism, materialism, and relativism. Honors work challenges students to be more analytical and creative through expanded assignments, real-world applications and enrichment opportunities. Applies to Associate Degree. Transfer credit: CSU; UC (PHIL M01 and M01H combined: maximum credit: one course).
PHIL M02 Introduction to Ethics 3.00 Units
OTHER: Students cannot complete both PHIL M02 and PHIL M02H (Honors) courses because credit will only be awarded to the first course completed.
Systematic introduction to consequentiality, deontological and virtue theories, metatheoretical theories, and topics such as freedom and responsibility, justice, and moral relativism. Provider approved by the California Board of Registered Nursing, provider number CEP2811 for 45 contact hours. Applies to Associate Degree. Transfer credit: CSU; UC.

PHIL M03 Social and Political Philosophy 3.00 Units
Explains the organization of societies, the formation of governments, and the concept of justice, equality, rights and duties, classes and power structures. Transfer credit: CSU; UC. Applies to Associate Degree.

PHIL M07 Introduction to Logic 3.00 Units
Explores deductive and inductive reasoning, definitions, verification, argument forms, and formal and informal fallacies. Transfer credit: CSU; UC. Provider approved by the California Board of Registered Nursing, provider number CEP2811 for 45 contact hours. Applies to Associate Degree. Transfer credit: CSU; UC.

PHIL M09 Introduction to Symbolic Logic 3.00 Units
Introduces symbolic logic, including the logic of connectives and quantifiers, truth functional composition, consistency trees, derivations, and quantifications. Applies to Associate Degree. Transfer credit: CSU; UC.

PHOT M01A Beginning Photography 3.00 Units
Explores photography as a means of creative expression. Introduces photographic theory, including camera operation, exposure, developing and printing. Applies to Associate Degree. Transfer credit: CSU; UC.

PHOT M01B Beginning Photography 3.00 Units
Explores variety of traditional techniques in black and white, including high contrast images, solarization, posterization, gum bichromate printing and cyanotypes. Reviews film sensitivity testing, developer density parameters, paper and paper developer characteristics, archival processing, the use of medium format cameras, and introduction to the view camera. Emphasizes creativity. Applies to Associate Degree. Transfer credit: CSU; UC.

PHOT M01B Intermediate Photography 3.00 Units
Explores variety of traditional techniques in black and white, including high contrast images, solarization, posterization, gum bichromate printing and cyanotypes. Reviews film sensitivity testing, developer density parameters, paper and paper developer characteristics, archival processing, the use of medium format cameras, and introduction to the view camera. Emphasizes creativity. Applies to Associate Degree. Transfer credit: CSU; UC.

PHOT M03 Basic Color 3.00 Units
Introduces principles of color photography. Develops expressive visual statement. Reviews processing of transparency materials, emphasizing creative special effects achieved through unique lighting, films and camera techniques. Encourages experimentation. may be taken for a total of two (2) times for credit. Applies to Associate Degree. Transfer credit: CSU; UC.

PHOT M06 Electronic and Digital Photography 3.00 Units
PREREQUISITE: A course in the discipline
Focuses on Adobe Photoshop for photography, computer graphics, illustration and graphic design. Includes appropriate techniques for scanning negatives, transparencies, reflective materials, type effects, color correction, selection techniques, special effects, channel calculations, adjustment layers, output devices and clipping paths/groups. Clarifies relationship between traditional film-based photography and digital techniques. May be taken two (2) times for credit. (Same course as JOUR M06.) Applies to Associate Degree. Transfer credit: CSU.

PHOT M08 Basic Photo Journalism 3.00 Units
PREREQUISITE: PHOT M01A or suitable portfolio.
Introduces aspects of photography applicable to mass communication, broadcast and print journalism. Concentrates on translating ideas to images for reproduction in magazines and newspapers and as book illustrations. Includes special effects, use of camera and light as creative tools, and basic motion picture techniques. May be taken two (2) times for credit. (Same course as JOUR M08.) Applies to Associate Degree. Transfer credit: CSU.

PHOT M60D Topic/Lab Practice 3.00 Units
PREREQUISITE: A previous college-level course in the discipline
Offers instructor supervised lab work for beginning, intermediate and advanced students. May be taken a total of May be taken a maximum of four (4) times for credit. Applies to Associate Degree.

PHOT M60E Laboratory Practice 2.00 Units
PREREQUISITE: A previous college-level course in the discipline
Instructor-supervised lab work for beginning, intermediate and advanced students. May be taken four (4) times for credit. Applies to Associate Degree.
PHYSICAL EDUCATION

PE M01A  Walking for Fitness  1.00 to 1.50 Units
Provides exercise and fitness training, emphasizing cardiovascular conditioning to improve muscle tone. May be taken a maximum of four (4) times for credit. Applies to Associate Degree. Transfer credit: CSU; UC.

PE M02A  Body Conditioning Fitness Center  .50 to 1.50 Units
This physical fitness exercise course is designed to develop and encourage positive attitude and habits with regards to cardiovascular efficiency, muscular strength and endurance, flexibility and body composition. May be taken a maximum of four (4) times for credit. Applies to Associate Degree. Transfer credit: CSU; UC.

PE M02B  Body Conditioning Free Weights  1.00 to 1.50 Units
Introduces overall body conditioning. Emphasizes safety procedures. Requires field trips. Applies to Associate Degree. Transfer credit: CSU; UC.

PE M02C  Intermediate Golf  1.00 to 1.50 Units
PREREQUISITE: PE M06A or equivalent
Expands golfing skills through more extensive review of techniques and increased practice. May be taken a maximum of four (4) times for credit. Transfer credit: CSU; UC.

PE M02D  Intermediate Tennis  1.00 to 1.50 units
PREREQUISITE: PE M11A or equivalent
Expands strategies, rules and techniques of tennis, emphasizing both singles and doubles play. May be taken a maximum of four times for credit. Applies to Associate Degree. Transfer credit: CSU; UC.

PE M03A  Running for Fitness and Conditioning  1.00 to 1.50 Units
Develops a high level of cardiovascular efficiency. Promotes strength and flexibility through a variety of high-energy activities. Utilizes aerobic dance, funk, hip-hop, step, cardio kickboxing, and plyometrics to achieve a high level of conditioning and coordination. May be taken for a maximum of four (4) times for credit. Applies to Associate Degree. Transfer credit: CSU; UC.

PE M03B  Core Stability and Stretch  1.00 to 1.50 Units
PREREQUISITE: PE M16 or equivalent
Implements a variety of core (abdominal/trunk) training techniques including functional integrated resistance exercise, stability balls, yoga, and Pilates, this class will focus on concepts and practices that develop core stability and overall flexibility for healthier living. May be taken for four times for credit. Applies to Associate Degree. Transfer Credit: CSU; UC.

PE M05  Bowling  1.00 to 1.50 units
PREREQUISITE: PE M06A or equivalent
Expands golfing skills through more extensive review of techniques and increased practice. May be taken a maximum of four (4) times for credit. Applies to Associate Degree. Transfer credit: CSU; UC.

PE M06A  Beginning Golf  1.00 to 1.50 Units
Introduces basic rules and skills needed for playing golf. Includes development of skills and analysis of technique. May be taken a maximum of four (4) times for credit. Applies to Associate Degree. Transfer credit: CSU; UC.

PE M06B  Intermediate Golf  1.00 to 1.50 Units
PREREQUISITE: PE M06A or equivalent
Expands golfing skills through more extensive review of techniques and increased practice. May be taken a maximum of four (4) times for credit. Transfer credit: CSU; UC.

PE M06C  Intermediate Golf  1.00 to 1.50 units
PREREQUISITE: PE M11A or equivalent
Expands strategies, rules and techniques of tennis, emphasizing both singles and doubles play. May be taken a maximum of four times for credit. Applies to Associate Degree. Transfer credit: CSU; UC.

PE M08  Power Lift/Free Weights  1.00 to 1.50 Units
Introduces weight training and conditioning to build strength, power, and bulk. Focuses on the development of upper body strength, rehabilitation and strengthening of knee joints, and refinement of power lifting for the lower body. Emphasizes quickness, coordination, balance and speed through competitive drills and routines. May be taken a maximum of 4 times. Applies to Associate Degree. Transfer credit: CSU; UC.

PE M09  Stretching  1.00 to 1.50 Units
Develops new, easy on-line payment plan - eCASHIER
See page 147 for more information or visit WebSTAR at www.vcccd.edu/webstar

PE M10  Cardio Kick Boxing  1.00 to 1.50 Units
Offers a comprehensive and balanced program that develops proficiency in cardio kick boxing skills as well as physical and general health. Works every major muscle group in the upper and lower body, varying movements and speed to accommodate the fitness level of all students. Applies to Associate Degree. Transfer credit: CSU; UC.

PE M11A  Beginning Tennis  1.00 to 1.50 Units
Introduces beginning tennis skills, including etiquette, rules, and basic techniques. May be taken a maximum of 4 times for credit. Applies to Associate Degree. Transfer credit: CSU; UC.

PE M11B  Intermediate Tennis  1.00 to 1.50 units
PREREQUISITE: PE M11A or equivalent
Expands strategies, rules and techniques of tennis, emphasizing both singles and doubles play. May be taken a maximum of four times for credit. Applies to Associate Degree. Transfer credit: CSU; UC.

PE M12  Extreme Aerobic Mix  1.00 to 1.50 Units
Develops a high level of cardiovascular efficiency. Promotes strength and flexibility through a variety of high-energy activities. Utilizes aerobic dance, funk, hip-hop, step, cardio kickboxing, and plyometrics to achieve a high level of conditioning and coordination. May be taken for a maximum of 4 times. Applies to Associate Degree. Transfer credit: CSU; UC.

PE M13  Hiking and Backpacking  2.00 Units
Uses lecture, field study and experience to introduce sport of hiking and backpacking. Covers conditioning, skills, information and resources. Emphasizes safety procedures. Requires field trips. Applies to Associate Degree. Transfer credit: CSU; UC.

PE M15  Cardio Kick Boxing  1.00 to 1.50 Units
Provides exercise and fitness training, emphasizing cardiovascular conditioning to improve muscle tone. May be taken a maximum of four (4) times for credit. Applies to Associate Degree. Transfer credit: CSU; UC.

PE M16  Flexible Strength/Pilates Mat  1.00 to 1.50 Units
A training technique designed to strengthen and tone muscles, improve posture, provide flexibility and balance, and create a more streamlined shape. Designed to emphasize the core muscles – the abdominal area, lower back, hips, and buttocks – thereby providing a strong foundation for any activity. Applies to Associate Degree. Transfer Credit: CSU; UC.

PE M17  Conditioning for Athletic Comp  1.50 Units
Designed to properly prepare and condition prospective athletes for competition. Athletics require an advanced degree of skill and preparation. Athletes engaged in competition need specific conditioning to insure optimal opportunity to perform at peak levels and have a more injury-free experience. Applies to Associate Degree. Transfer credit: CSU; UC.

PE M18  Core Stability and Stretch  1.00 to 1.50 Units
PREREQUISITE: PE M16 or equivalent
Implements a variety of core (abdominal/trunk) training techniques including functional integrated resistance exercise, stability balls, yoga, and Pilate’s, this class will focus on concepts and practices that develop core stability and overall flexibility for healthier living. May be taken for four times for credit. Applies to Associate Degree. Transfer Credit: CSU; UC.

PE M20  Advanced Base Ball  1.00 to 1.50 Units
PREREQUISITE: PE M23C or equivalent.
Develops advanced skills in baseball, emphasizing methods and styles of play. Requires participation in fall baseball program. Applies to Associate Degree. Transfer credit: CSU; UC.

PE M24C  Intermediate Basketball  1.00 to 1.50 Units
Develops intermediate techniques and strategies in basketball. May be taken a maximum of four times for credit. Applies to Associate Degree. Transfer credit: CSU; UC.

PE M25A  Weight Training/Conditioning  1.00 to 1.50 Units
Develops intermediate techniques and strategies for baseball. Emphasizes skills levels for use in games. Applies to Associate Degree. Transfer credit: CSU; UC.
PE M24D Advanced Basketball 1.00 to 2.00 Units
PREREQUISITE: PE M24C or varsity high school experience.
Introduces advanced skills and techniques in basketball. Uses game experience to develop different styles and formats of play. Develops cardiovascular fitness. Applies to Associate Degree. Transfer credit: CSU; UC.

PE M25D Advanced Football 1.00 to 1.50 Units
Develops intermediate skills in football. Introduces theory behind different styles of play. Applies to Associate Degree. Transfer credit: CSU; UC.

PE M27A Beginning Soccer 1.00 to 1.50 Units
Develops skills, rules, techniques and strategies of soccer. Requires participation. Co-educational. Applies to Associate Degree. Transfer credit: CSU; UC.

PE M27C Intermediate Soccer 1.00 to 1.50 Units
Develops intermediate skills and strategies of soccer. Requires participation. Co-educational. Applies to Associate Degree. Transfer credit: CSU; UC.

PE M28D Advanced Softball 1.00 to 1.50 Units
Develops advanced skills and strategies. Requires participation. Co-educational. Applies to Associate Degree. Transfer credit: CSU; UC.

PE M29C Intermediate Track 1.00 to 1.50 Units
Introduces intermediate techniques and strategies in track and field. Prepares for a competitive season, emphasizing skills needed for proficiency. Required of varsity track candidates. Applies to Associate Degree. Transfer credit: CSU; UC.

PE M29D Advanced Track 1.00 to 1.50 Units
PREREQUISITE: PE M29C
Practices advanced skills and strategies of track and field for a competitive season. Required of all varsity track candidates. Applies to Associate Degree. Transfer credit: CSU; UC.

PE M30A Beginning Volleyball 1.00 to 1.50 Units
Introduces basic rules and techniques of power volleyball. Applies to Associate Degree. Transfer credit: CSU; UC.

PE M30C Intermediate Volleyball 1.00 to 1.50 Units
PREREQUISITE: PE M30A or playing ability in volleyball
Provides practice of the fundamental skills and strategies of volleyball, allowing two and three-player games. Requires participation. Applies to Associate Degree. Transfer credit: CSU; UC.

PE M30D Advanced Volleyball 1.00 to 1.50 Units
PREREQUISITE: PE M30C or equivalent playing experience
Continues skills development for the advanced player, allowing two and three-player volleyball. Requires participation. Applies to Associate Degree. Transfer credit: CSU; UC.

PE M35 T'ai Chi Ch'uan 1.00 to 1.50 Units
An introduction to the history and philosophy of T'ai Chi Ch'uan and its relationship to exercise, health, self-awareness, relaxation, balance and harmony. The Yang Simplified Form of 24 movement patterns (known for improving body awareness, efficiency of daily activity and its relationship to self-defense techniques) will be taught. May be taken four (4) times for credit. Applies to Associate Degree. Transfer credit: CSU; UC.

PE M36A Analysis of Sexual Assault and Self-Defense 2.00 Units
Reviews issues of personal assault and rape, reviewing readings and physical responses. Introduces self-defense techniques. May be taken a maximum of 4 times for credit. Applies to Associate Degree. Transfer credit: CSU; UC.

PE M38 Wrestling 1.00 to 1.50 Units
Introduces the basics of wrestling, including takedowns, rides, escapes and falls. May be taken a maximum of 4 times for credit. Applies to Associate Degree. Transfer credit: CSU; UC.

PE M39 Nia Fusion Fitness 1.00 to 1.50 Units
Nia is a whole-body conditioning practice that includes cardiovascular, strength, flexibility, and mind-body components. Combines concepts and movements from Jazz and Modern Dance, Tae Kwon Do, Tai Chi, Aikido, Yoga, and other movement forms, resulting in a creative and energizing workout. With a focus on non-impact movements, Nia is easy-to-learn, adaptable to all levels of ability, and performed to a variety of motivating music. Improves overall conditioning and enhances the mind-body connection. Applies to Associate Degree. Transfer credit: CSU; UC.

PE M62 Golf – Women 3.00 Units
Highly competitive. Requires advanced skills, travel, and competition against other institutions. Demands time beyond normal load. May be taken three (3) times for credit. Applies to Associate Degree. Transfer credit: CSU; UC.

PE M63B Off Season Volleyball – Men 1.00 Unit
RECOMMENDED PREPARATION: Understanding of volleyball skills, rules and strategies and the ability to work with other students.
Highly competitive, requires advanced skills, for students who are interested in collegiate volleyball. May be taken four (4) times for credit. Applies to the Associate Degree. Transfer credit: CSU; UC.

PE M64A Soccer – Men 3.00 Units
RECOMMENDED PREPARATION: Understanding of soccer skills, rules and strategies
Highly competitive. Requires advanced skills, travel, and competition against other institutions. Demands time beyond normal load. May be taken three (3) times for credit. Applies to Associate Degree. Transfer credit: CSU; UC.

PE M64B Off Season Soccer – Men 1.00 Unit
RECOMMENDED PREPARATION: Understanding of soccer skills, rules and strategies and the ability to work with other students
Requires advanced skills, travel, and competition against other institutions. Demands time beyond normal load. May be taken three (3) times for credit. Applies to Associate Degree. Transfer credit: CSU; UC.

PE M65A Soccer – Women 3.00 Units
RECOMMENDED PREPARATION: Understanding of soccer skills, rules and strategies
Highly competitive. Requires advanced skills, travel, and competition against other institutions. Demands time beyond normal load. May be taken three (3) times for credit. Applies to Associate Degree. Transfer credit: CSU; UC.

Some class offerings and room assignments may have changed since printing this schedule. Please see the web for the most up to date class schedule at: http://students.vcccd.edu/scheds.htm.
PHSC M01 Principles of Physical Science 3.00 Units

PREREQUISITE: Math M03 or equivalent

Introduces facts, principles and laws from physics, chemistry and astronomy. Includes motion, force, energy, wave motion, electricity and magnetism, light, atomic and nuclear structure, chemical bonding and chemical reactions, solutions, organic chemistry, the solar system and planet Earth. Applies to Associate Degree. Transfer credit: CSU; UC (no credit if taken after a college course in Astronomy, Chemistry, Geology or Physics)

PHSC M01L Principles of Physical Science Lab 1.00 Unit

PREREQUISITE: Prior or concurrent enrollment in PHSC M01

Provides hands-on experience with fundamental concepts from physics and chemistry. Applies to Associate Degree. Transfer credit: CSU; UC.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHYS M10A</td>
<td>General Physics I</td>
<td>3.00</td>
<td>PREREQUISITE: MATH M04A or MATH M06 or M07 or equivalent college course or equivalent skills which may be measured by the college assessment process. Applies to Associate Degree. Transfer credit: CSU; UC.</td>
</tr>
<tr>
<td>PHYS M10AL</td>
<td>General Physics I Laboratory</td>
<td>1.00</td>
<td>PREREQUISITE: MATH M06 or MATH M07. The laboratory experiments examine some of the basic phenomena in mechanics, thermodynamics, and wave motion. The use of common, modern laboratory instruments is learned and practiced during the experiments. The principles of data taking, data reduction, synthesis, and analysis, as well as the writing of scientific reports are part of the course. Applies to Associate Degree. Transfer credit: CSU; UC.</td>
</tr>
<tr>
<td>PHYS M20A</td>
<td>Mechanics of Solids and Fluids</td>
<td>4.00</td>
<td>PREREQUISITE: M25A. RECOMMENDED PREPARATION: PHYS M10A or high school physics and MATH M25B, or taken concurrently. Introduces the basic principles of the mechanics of solids and fluids. Calculus is used to develop the subject matter. The main topics are kinematics, Newtonian mechanics including rotational dynamics, work, energy, and fluid statics and dynamics. Applies to Associate Degree. Transfer credit: CSU; UC.</td>
</tr>
<tr>
<td>PHYS M20AL</td>
<td>Mechanics of Solids and Fluids Laboratory</td>
<td>1.00</td>
<td>PREREQUISITE: MATH M25A. RECOMMENDED PREPARATION: PHYS M20A, or taken concurrently. The experiments examine the basic laws of the mechanics of solids and fluids. The use of common measuring instruments and the principles of data taking and analysis, and the writing of scientific reports are learned. Applies to Associate Degree. Transfer credit: CSU; UC.</td>
</tr>
<tr>
<td>PHYS M20B</td>
<td>Thermodynamic, Electricity and Magnetism</td>
<td>4.00</td>
<td>PREREQUISITES: PHYS M20A &amp; MATH M25B. RECOMMENDED PREPARATION: MATH M25C should be completed or be taken concurrently. Introduces the basic principles of thermodynamics, and electromagnetism. Calculus is used to develop the subject matter. The main topics are temperature, heat, the laws of thermodynamics, electrostatics, capacitance, DC circuits, magnetic forces and fields, electromagnetic induction, AC circuits, Maxwell's equations, and electromagnetic waves. Applies to Associate Degree. Transfer credit: CSU; UC.</td>
</tr>
<tr>
<td>PHYS M20BL</td>
<td>Thermodynamics, Electricity and Magnetism Laboratory</td>
<td>1.00</td>
<td>PREREQUISIT ES: PHYS M20A/PHYS M20AL &amp; MATH M25B. RECOMMENDED PREPARATION: PHYS M20B should be completed, or taken concurrently. The laboratory experiments examine some of the basic phenomena in thermodynamics and electromagnetism. The use of common, modern instruments, e.g. digital and analog voltmeters, ammeters, the oscilloscope, is learned and practiced during the experiments. The principles of data taking, data reduction, synthesis, and analysis, as well as the writing of scientific reports are part of the course. Applies to Associate Degree. Transfer credit: CSU; UC.</td>
</tr>
<tr>
<td>PHYS M20C</td>
<td>Wave Motion, Optics and Modern Physics</td>
<td>4.00</td>
<td>PREREQUISITES: PHYS M20B AND MATH M25C. Introduces the basic principles of wave motion, optics and modern physics. Calculus is used to develop the subject matter. The main topics covered include: classical wave theory, wave-particle duality, reflection, refraction, interference, diffraction, optical elements and systems, applications of Schrodinger's equation, atomic structure, molecular structure, the quantum nature of solids, consequences of special and general relativity, nuclear physics, particle physics, and cosmology. Applies to Associate Degree. Transfer credit: CSU; UC.</td>
</tr>
<tr>
<td>PHYS M20CL</td>
<td>Wave Motion, Optics and Modern Physics Laboratory</td>
<td>1.00</td>
<td>PREREQUISITES: PHYS M20B, PHYS M20BL, AND MATH M25C. RECOMMENDED PREPARATION: PHYS M20C should be completed, or taken concurrently. The laboratory experiments examine some of the basic phenomena in wave motion, optics, and modern physics. The use of common, modern instruments, e.g. digital and analog voltmeters, ammeters, digital storage oscilloscopes, frequency counters, lasers, spectrometers, optical energy and power meters, is learned and practiced during the experiments. The principles of data taking, data reduction, synthesis, and analysis, as well as the writing of scientific reports are part of the course. Applies to Associate Degree. Transfer credit: CSU; UC.</td>
</tr>
<tr>
<td>PHYSO M01</td>
<td>Human Physiology</td>
<td>5.00</td>
<td>PREREQUISITE: CHEM M12 or equivalent or high school chemistry and BIOL M01 or BIOL M02A or equivalent. A study of the functioning of human anatomical systems. Students will learn basic biochemical and biophysical principles inherent to the functioning of the various organ systems and integrate this knowledge into an understanding of the functioning of the organism as a whole. Laboratory computer simulations and experiments will demonstrate basic principles and introduce physiological techniques and instruments. The emphasis in both lecture and lab is on student understanding of systems integration and co-dependence. Applies to Associate Degree. Transfer credit: CSU; UC (PHSO M01 combined with ANPH M01: maximum credit, one course).</td>
</tr>
<tr>
<td>POLS M01</td>
<td>Introduction to Politics</td>
<td>3.00</td>
<td>Introduces basic political concepts within political science with an emphasis on American government. Applies to Associate Degree. Transfer credit: CSU; UC.</td>
</tr>
<tr>
<td>POLS M02</td>
<td>Comparative Politics</td>
<td>3.00</td>
<td>Examines the political institutions, interests, identities, and public policy of various governments. Case studies will include examples taken from Europe, Asia, and the Middle East. Applies to Associate Degree. Transfer credit: CSU; UC.</td>
</tr>
</tbody>
</table>

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POLS M03 American Government and Politics ________________________________3.00 Units
NOTE: Students cannot complete both POLS M03 and POLS M03H (Honors) courses because credit will only be awarded to the first course completed.
Introduces principles and problems of American government and its political process, emphasizing national government. Applies to Associate Degree. Transfer credit: CSU; UC.

POLS M04 International Relations ________________________________________3.00 Units
Examines the organization and operation of the international political system with an emphasis on the relationships between theory, important nation states, and the major issues that are presently threatening the peace and prosperity of millions of people worldwide. Applies to Associate Degree. Transfer credit: CSU; UC.

POLS M05 National, State and Local Politics ________________________________3.00 Units
Examines the purpose and evolution of federalism from the founding to modern times. Introduces study of sub national units including the three branches of state government and the structure of local governments. compares and contrasts the structure of the national government to state and local structures. Considers the challenges and problems that cities face in a federal system. Examines elections at all levels of government in order to determine how electoral systems promote diversity, representation and participation. (Formerly URBN M01A) Applies to Associate Degree. Transfer credit: CSU; UC. (under review)

PSYCHOLOGY

PSY M01 Introduction to Psychology ______________________________________3.00 Units
OTHER: Students cannot complete both PSY M01 and PSY M01H (Honors) courses because credit will only be awarded to the first course completed.
Introduces a broad range of concepts and perspectives of human behavior, including history of psychology, research methodology, biological bases of behavior, principles of learning, memory, cognition and intelligence, personality, stress and health, behavior disorders and treatments, human sexuality, life span development, and social psychology. Applies to Associate Degree. Transfer Credit: CSU; UC.

PSY M01H Honors: Introduction to Psychology ______________________________3.00 Units
OTHER: Students cannot complete both PSY M01 and PSY M01H (Honors) courses because credit will only be awarded to the first course completed.
Includes case studies in the development of psychological theories, contemporary issues, and single participant research designs; and research ethics. Requires research study and manuscript using APA guidelines and format.

PSY M02 Introduction to Behavior Neuroscience __________________________3.00 Units
PREREQUISITE: PSY M01 or PSY M01H
OTHER: Provider approved by the California Board of Registered Nursing, provider number CEP 28111 for 45 contact hours. Students cannot complete both PSY M02 and PSY M02H (Honors) courses because credit will only be awarded to the first course completed.
Introduces basic principles in: the principles of inheritance - cell division, human genetics, DNA structure and function and protein synthesis; and neuropsychological bases for brain-behavior concepts involving structure and function of the neuropsychological bases for brain-behavior concepts involving structure and function of the nervous system, neural conduction and synaptic transmission, psychopharmacology, brain lateralization, neuroplasticity, sensation and perception, internal body states, sexual behavior, emotional behavior, sleep and biological rhythms, biology of learning and memory, and psychopathological disorders. Applies to Associate Degree. Transfer credit: CSU; UC.

PSY M02H Honors: Behavioral Neuroscience ______________________________3.00 Units
PREREQUISITE: PSY M01 or PSY M01H
OTHER: Students cannot complete both PSY M02 and PSY M02H (Honors) courses because credit will only be awarded to the first course completed.
Investigates psychology Honors work in: principles of inheritance - cell division, human genetics, DNA structure, function and protein synthesis; and neuropsychological bases for brain-behavior concepts involving structure and function of the nervous system, neural conduction and synaptic transmission, psychopharmacology, brain lateralization, neuroplasticity, sensation and perception, internal body states, sexual behavior, emotional behavior, sleep and biological rhythms, biology of learning and memory, and psychopathological disorders. Requires research study and manuscript using APA guidelines and format.

PSY M03 Psychology of Interpersonal Relations ___________________________3.00 Units
OTHER: Provider approved by the California Board of Registered Nursing, provider number CEP 28111 for 45 contact hours.
Introduces psychological principles involved in human relationships. Combines experiential and theoretical approaches to increase awareness, understanding, decision-making, and effective interpersonal relationships. Transfer credit: CSU.

PSY M04 Child Psychology _______________________________________________3.00 Units
OTHER: Provider approved by the California Board of Registered Nursing, provider number CEP 28111 for 45 contact hours.
Focuses on the basic principles of psychological development from conception through adolescence. For each stage of development, students will learn about the biological, physical, cognitive, emotional, social, and linguistic aspects of development. Included are the influences of family, culture, society, and the environment. Applies to Associate Degree. transfer credit: CSU; UC.

PSY M05 Social Psychology _______________________________________________3.00 Units
OTHER: Provider approved by the California Board of Registered Nursing, provider number CEP 28111 for 45 contact hours.
Introduces social relationships, emphasizing interpersonal attraction; person perception; long-term relationships; pro-social behavior; attitude formation and changes; and the nature of prejudice, aggression, and conformity. Applies to Associate Degree. Transfer credit: CSU; UC.

PSY M06 Introduction to Behavioral Research Methods ______________________3.00 Units
PREREQUISITE: PSY M01 or PSY M01H
Introduces basic research concepts and principles of behavioral science; descriptive and experimental research approaches; problem identification, hypothesis formation and testing; experimental variables and controls; validity and reliability; experimental, quasi-experimental, and single participant research designs; and research ethics. Requires research study and manuscript using APA guidelines and format.

PSY M07 Developmental Psychology (Life Span) __________________________3.00 Units
Introduces physical, emotional, cognitive, social, and cultural aspects of development from conception to death. Emphasizes normative behaviors and developmental stages over the life span. Reviews developmental theories and contemporary issues. Applies to Associate Degree. Transfer credit: CSU; UC.

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<tr>
<td>PSY M08 Abnormal Psychology 3.00 Units OTHER: Provider approved by the California Board of Registered Nursing, provider number CEP2811 for 45 contact hours. Surveys the field of abnormal behavior by reviewing the patterns, causes, and history of maladaptive behavior; clinical assessment using the current Diagnostic and Statistical Manual; therapies; and prevention of behavioral disorders. Applies to Associate Degree. Transfer credit: CSU; UC.</td>
</tr>
<tr>
<td>PSY M10 Dying and Death 3.00 Units OTHER: Provider approved by the California Board of Registered Nursing, provider number CEP2811 for 45 contact hours. Explores issues and decisions concerning with dying and death over the life span, including historical and cross-cultural perspectives, death socialization, medical ethics and the health-care system, legal issues, and after-life concerns. Applies to Associate Degree. Transfer Credit: CSU; UC.</td>
</tr>
<tr>
<td>PSY M12 Animal Behavior 3.00 Units Introduction to the study of animal behavior with an emphasis on learning theory, especially classical and operant conditioning. Designed to provide the student with an understanding of how to apply the concepts of ethology and behavior modification to the maintenance and training of animals in captivity. (Same course as ANSC M04) Applies to Associate Degree. Transfer credit: CSU.</td>
</tr>
<tr>
<td>PSY M12L Animal Behavior Lab .5 Unit CO-REQUISITE: PSY M12 or ANSC M04 This course consists of laboratory activities giving the student opportunities to develop skills in behavior modification and observational research. Each student will be required to train a rat and conduct an observational research project on captive animals. Applies to Associate Degree. Transfer credit: CSU.</td>
</tr>
<tr>
<td>PSY M13 Human Sexuality 3.00 Units OTHER: Provider approved by the California Board of Registered Nursing, provider number CEP2811 for 45 contact hours. Explores psychological, biological, and sociological aspects of human sexual behavior; including sexual values, roles and lifestyles. Includes contraception, pregnancy, sexually transmitted diseases, sexual dysfunctions and treatments. Presents course content in an explicit, open, scientific and thoughtful manner. Provider approved by the California Board of Registered Nursing. Provider number CEP 2811 for 45 contact hours. Applies to Associate Degree. Transfer credit: CSU; UC.</td>
</tr>
<tr>
<td>PSY M20 Intimacy, Relationships and Commitment 3.00 Units Explores theoretical, historical, cross-cultural, interdisciplinary, and personal perspectives of committed relationships, reviewing various perspectives on marriage and the family. Considers sex roles, socialization, sexuality, the single life, marriage, parenting, dual-career families, and conflicts in relationships, separation, divorce, remarriage, and alternative choices. Same course as SOC M04. Applies to Associate Degree. Transfer Credit: CSU.</td>
</tr>
<tr>
<td>RT M01 Media and Society This course surveys the history and nature of print and electronic media in America. It will examine the social, political, and cultural implications of media. (Co-numbered JOURN1) Applies to Associate Degree. Transfer credit: CSU; UC.</td>
</tr>
<tr>
<td>RT M04 Digital Editing 2.00 Units Introduces theory and application of editing techniques using digital non-linear editing systems. Critical analysis of the editing process, editing complex scenes and creating visual effects. Introduction to editing system troubleshooting. Applies to Associate Degree. Transfer Credit: CSU.</td>
</tr>
<tr>
<td>RT M08 Voice and Diction 3.00 Units Introduces theory and practice of voice control, emphasizing correct pronunciation, breathing control techniques, and regional and foreign dialects. Especially useful for those in theatre, forensics and broadcasting. May be taken two (2) times for credit. (Same course as THA M03 and COMM M03) Transfer credit: CSU; UC.</td>
</tr>
<tr>
<td>RT M09 Acting For Film And Television 3.00 Units Introduces techniques pertinent to film and television acting, including blocking, movement, rapid line learning, and use of microphones. Includes performance in student-directed films and television shows. May be taken four (4) times for credit. (Same course as THA M09) Applies to Associate Degree. Transfer credit: CSU; UC.</td>
</tr>
<tr>
<td>RT M12 Broadcast Journalism 3.00 Units RECOMMENDED PREPARATION: JOUR M02 and to be taken in conjunction with JOUR M13 Provides practice and application in developing and preparing content for radio, television and online. Develops interviewing and other news-gathering skills, as well as content synthesis with concern for accuracy, balance, fairness and journalistic ethics. Includes writing and editing original copy as well as practice rewriting wire service copy for on-air and online use. (Same course as JOUR M12) Applies to Associate Degree. Transfer Credit: CSU.</td>
</tr>
<tr>
<td>RT M13 Broadcast News Production 3.00 Units RECOMMENDED PREP: RT M02A OR M02B or concurrent enrollment in RT M12 Training in producing news for television and multimedia applications with an emphasis on the use of digital news-gathering equipment, producing newscasts and on-air presentation of completed stories. Provides operational skills and techniques through practical hands-on experiences in: studio directing, location shooting, and editing. Students will form a crew and create news productions to air on the Moorpark College website. (Same course as JOUR M13) Applies to Associate Degree. Transfer Credit: CSU.</td>
</tr>
<tr>
<td>RADIOLoGIC TECHNOLOGY</td>
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<tr>
<td>RADIOTECnOLOGY</td>
</tr>
</tbody>
</table>
RADT M01AL Radiographic Clinical Lab I 2.50 Units
PREREQUISITE: RADT M10/M10L and RADT M10B
CO-REQUISITES: RADT M01A, and RADT M01B & M01BL
Introductory clinical laboratory that will provide an opportunity for practical application from RADT M10 and RADT M01A theory and skills lab content. This lab will take place in the radiology department of a pre-assigned clinical affiliate. May be taken two (2) times. Applies to Associate Degree. Transfer credit: CSU.

RADT M01B Radiographic Technique I 4.00 Units
PREREQUISITES: RADT M10/M10L
CO-REQUISITES: RADT M10A/M10AL, RADT M10BL
Covers production of radiation and interactions with matter as well as function and manipulation of radiographic equipment for conventional an digital radiographic systems. Image quality and the technical factors needed for optimum image quality in conventional and digital systems as well as quality assurance and quality control are also covered. Applies to Associate Degree. Transfer credit: CSU. May be taken for a maximum of 2 times.

RADT M01BL Radiographic Technique Lab I 1.00 Unit
PREREQUISITES: RADT M01A, RADT M01AL, RADT M01B, RADT M01BL & RADT M12
CO-REQUISITES: RADT M02A, RADT M02AL, RADT M02BL & RADT M12
Introduces the advanced radiography student to advanced imaging specializations in the radiation sciences. Includes computed tomography, and cross sectional anatomy as viewed under this and other modalities. (Formerly RADT M02A) Applies to Associate Degree. Transfer Credit: CSU.

RADT M03 Advanced Radiographic Technique 4.00 Units
PREREQUISITES: RADT M01A, RADT M01AL, RADT M01B, RADT M01BL & RADT M12
CO-REQUISITES: RADT M02A, RADT M02AL & RADT M12
Introduces the advanced radiography student to advanced imaging specializations in the radiation sciences. Includes computed tomography, and cross sectional anatomy as viewed under this and other modalities. (Formerly RADT M02A) Applies to Associate Degree. Transfer Credit: CSU.

RADT M03B Radiographic Pathology 2.00 Units
PREREQUISITES: RADT M02A/M02AL, and RADT M12
CO-REQUISITES: RADT M03A, M03B
Introduces the advanced radiography student to various types of disease processes seen radiographically. It covers the following systems: respiratory, digestive, genito-urinary, osseous, hepatobilary, and nervous. May be taken two (2) times for credit. (Formerly RADT M04A) Applies to Associate Degree. Transfer credit: CSU.

RADT M03L Radiographic Clinical Lab III 10.50 Units
PREREQUISITES: RADT M02A/M02AL, RADT M02B, RADT M49.
CO-REQUISITES: RADT M03A, M03B
Intermediate clinical laboratory that will provide an opportunity for practical application from RADT M01A and RADT M02A theory and skills lab content. This lab will take place in an x-ray department of a pre-assigned clinical affiliate. (Formerly RADT M03AL) This course can be taken a total of two (2) times. Applies to Associate Degree. Transfer Credit: CSU.

RADT M10A Introduction to Radiologic Technology 2.00 Units
PREREQUISITE: Admission to the Moorpark College Radiography Program
Provides the new radiography student with entry-level information to begin clinical practice to a diverse client population in a radiology department. Will emphasize radiation protection, equipment manipulation and safety, darkroom processing, sterile technique, anatomy and positioning for chest and abdomen procedures and career options in Radiology. It also includes anatomy and positioning for chest and abdomen procedures. Applies to Associate Degree. Transfer credit: CSU.

RADT M10AL Introduction to Radiologic Technology Lab 2.5 Units
Permits the new radiography student to participate in a simulated radiography department setting in the on campus Radiography skills lab. Participation will include darkroom procedures, equipment manipulation, radiation protection procedure, basic radiographic positions and projections positions and chest and abdomen anatomy and procedures. May be taken a total of two (2) times. Applies to Associate Degree. Transfer credit: CSU.

RADT M10B Introduction Radiographic Technique 2.00 Units
Provides a basic knowledge for radiographic equipment and design. It will cover different types of radiographic equipment, x-ray circuits and generators. Also covers basic atomic structure, electromagnetic spectrum and properties of x-rays. Applies to Associate Degree. Transfer Credit: CSU.

RADT M11 Radiographic Lab I 1.00 Unit
PREREQUISITES: RADT M10A/M10AL and RADT M10B
COREQUISITES: RADT M01A/M01AL, RADT M01B/M01BL
Provides an opportunity for practical applications of theory content from RADT M01A through simulated clinical experiences in a radiography skills lab. Each student will practice positioning with a “mock patient” and make actual radiographs of an x-ray phantom using conventional and digital equipment. May be taken a maximum of 2 times. Applies to Associate Degree. Transfer credit: CSU.

RADT M49 Radiography Summer Practicum 7.50 Units
PREREQUISITE: RADT M02A/M02AL
MATERIALS FEE: $46.00
Clinical experience in a pre-assigned clinical affiliate. Focuses on the improvement of clinical skills of all previously learned Radiological procedures in Level I courses. May be taken a total of two (2) times. Applies to Associate Degree. Transfer Credit: CSU.

SIGN LANGUAGE
SL M01 Beginning American Sign Language I 3.00 Units
OTHER: Provider approved by the California Board of Registered Nursing, provider number CEP2811 for 45 contact hours.
Introductory course in the fundamentals of American Sign Language. Offers an introduction to the basic vocabulary and finger spelling systems necessary to facilitate communication in ASL and will focus on developing expressive and receptive signing skills. The technical aspect of Kinesestic Linguistics includes an emphasis on syntactical structure and various linguistic components such as: grammatical features, semantics, lexical countenance and the psychosocial nuances of Deaf Culture. Applies to Associate Degree. Transfer credit: CSU; UC.
SOCIOLOGY

SOC M01 Introduction to Sociology 3.00 Units
OTHER: Students cannot complete both SOC M01 and SOC M01H (Honors) courses because credit will only be awarded to the first course completed.

SOC M02 Social Problems 3.00 Units
OTHER: Provider approved by the California Board of Registered Nursing, provider number CEP2811 for 45 contact hours

SOC M03 Sociological Analysis 3.00 Units
PREREQUISITE: SOC M01

SOC M04 Intimacy, Relationships and Commitment 3.00 Units
OTHER: Provider approved by the California Board of Registered Nursing, provider number CEP2811 for 45 contact hours

SOC M05 Social Psychology 3.00 Units
OTHER: Provider approved by the California Board of Registered Nursing, provider number CEP2811 for 45 contact hours

SOC M06B Organized Crime and Terrorism 3.00 Units
RECOMMENDED PREPARATION: SOC M15

SL M02 Beginning American Sign Lang II 3.00 Units
PREREQUISITE: SL M01 or equivalent
OTHER: Provider approved by the California Board of Registered Nursing, provider number CEP2811 for 45 contact hours

Introduces fundamentals of American Sign Language, including basic vocabulary and finger spelling. Emphasizes grammatical structure and comprehension. Explores deaf culture. Applies to Associate Degree. Transfer credit: CSU; UC.

Please see the web for the most up to date class schedule at: http://students.vcccd.edu/scheds.htm.

Some class offerings and room assignments may have changed since printing this schedule.
THA M02B Intermediate Acting 3.50 Units
PREREQUISITE: THA M02A or equivalent
Emphasizes skills development in characterization through exercises in pantomime and improvisation. Includes classical material, performance of scenes in various styles and genres, and work with vocal projection and stage movement. Applies to Associate Degree. Transfer credit: CSU; UC.

THA M03 Intermediate Spanish I 5.00 Units
PREREQUISITE: SPAN M02 or three years of high school Spanish with grades of C or better
OTHER: Provider approved by the California Board of Registered Nursing, provider number CEP2811 for 60 contact hours. Students cannot complete both SPAN M03 and SPAN M03H (Honors) courses because credit will only be awarded to the first course completed.
Offers intensive review of basic grammar, including extension and refinement of fundamentals and increased proficiency in reading, writing, and speaking skills. Focuses on culture through study of selected literature and contemporary society. Requires individualized work in the lab each week. Provider approved by the California Board of Registered Nursing. Provider number CEP2811 for 75 contact hours. Applies to Associate Degree. Transfer credit: CSU; UC.

THA M01 Beginning Acting 3.50 Units
Introduces the art of acting, emphasizing exercises that develop individual insight, technique and concentration. Focuses on improvisation; includes scene work. Applies to Associate Degree. Transfer credit: CSU; UC.

THA M04 History of the Theatre 3.00 Units
Traces the development of the Theatre from its earliest inception to the present. Course will focus on the major works and playwrights in historical theatrical movements from classical Greek and Roman theatre through the twentieth century. Coursework will also examine the social context of specific dramatic movements and the influences of theatre on society. Applies to Associate Degree. Transfer Credit: CSU; UC.

THA M05 Acting for Film and Television 3.00 Units
Introduces techniques pertinent to film and television acting, including blocking, movement, rapid line learning, and use of microphones. Includes performance in student-directed films and television shows. May be taken four (4) times for credit. (Same course as RT M09) Applies to Associate Degree. Transfer credit: CSU; UC.

THA M10 Theatre Production: Acting 3.00 Units
Rehearsing and performing an acting role for a college production staged for public performance. Admission to the class is by audition. (May be taken 4 times for credit.) Applies to Associate Degree. Transfer credit: CSU; UC.

THA M11 Theatre Production: Technical 3.00 Units
RECOMMENDED PREPARATION: THA M20 and other technical theatre training and experience.
A range of supervised technical theatre assignments in support of a college production staged for public performance. (May be taken 4 times for credit.) Applies to Associate Degree. Transfer credit: CSU; UC.

THA M14 Improvisational Comedy 1.50 Units
RECOMMENDED PREPARATION: THA M02B
Provides instruction in improvisational and ensemble acting skills as well as the development of solo and group comedic material from improvisation. The course will culminate with a public performance of the material developed in class. Requires field trips. May be taken four (4) times for credit. Applies to Associate Degree. Does not transfer.

THA M15A Beginning Stage Direction 3.00 Units
PREREQUISITE: THA M01 or THA M02A or THA M20
Introduces art and craft of stage direction, including historical review. Includes practical experience directing scenes by major playwrights. Often coordinates activities with THA M02B/C/D. Applies to Associate Degree. Transfer Credit: CSU; UC.

THA M15B Intermediate Stage Direction 3.00 Units
PREREQUISITE: THA M15A
Continues the study of the art and craft of stage direction, including practical experience through directing one act plays, comedy sketches and/or monologues for a live audience. Applies to Associate Degree. Transfer credit: CSU; UC.

THA M20 Stagecrafts 3.00 Units
Further studies of characterization, emphasizing timing, vocal styles, movement and sense memory. Emphasizes scene study, including performance of classical material, and a variety of scenes from plays of contrasting styles and genres. Applies to Associate Degree. Transfer Credit: CSU; UC.
COURSE DESCRIPTION

THA M21A  Playwriting I  3.00 Units
Assists the student in developing writing skills for the theatre with possible opportunities for production. Applies to Associate Degree. Transfer Credit: CSU; UC.

THA M21B  Advanced Playwriting  3.00 Units
PREREQUISITE: THA M21A
RECOMMENDED PREPARATION: THA M02A, THA M15A, ENGL M01A
Instructs students in the advanced components of constructing a play. Focus will be on advanced character creation, in depth exploration of theme, structuring plot and writing complex dialogue through the creation of dramatic monologues, scenes and a full-length play. Students will also explore and create dramatic material as it pertains to style and period. Applies to Associate Degree. Transfer Credit: CSU; UC.

THA M23A  Lighting Design I  3.00 Units
Introduces the study of composition, control and instrumentation in theatrical lighting as well as the aesthetics of color, distribution, intensity and movement of light to create mood, time, location, and visibility. Emphasizes hanging, focusing and identifying stage lighting equipment as well as understanding the principles that underlie their design. Applies to Associate Degree. Transfer Credit: CSU; UC.

THA M23B  Lighting Design II  3.00 Units
PREREQUISITE: THA M23A. Field trips will be required. Transfer credit: CSU; UC.
Focuses on the design aspect of stage lighting, developing a complete light plot and working schedule for a full length play. Emphasizes projections and special effects. Includes practical application of computer software for lighting design and light plots. Provides hands on experience in lighting through work on actual productions. Applies to Associate Degree. Transfer credit: CSU; UC.

THA M24A  Costume and Makeup Design I  3.00 Units
Introduces the design of period costume, including research on historical dress (appearance, construction, fabric) and application of this research, through analysis, to a particular play. Also introduces the design and application of theatrical makeup. Applies to Associate Degree. Transfer credit: CSU; UC.

THA M24B  Costume & Makeup Design II  3.00 Units
Advanced hands on training in costume design and construction, prosthetics, three dimensional makeup and mask construction. Applies to Associate Degree. Transfer credit: CSU; UC.

WORK EXPERIENCE

WEXP M20  Occupational Work Experience  1.00 to 6.00 Units
Occupational Work Experience provides on-the-job learning that is directly related to a career interest or major. Faculty and industry supervisors will provide feedback and written evaluations. Students receive one unit of credit for each 60 hours unpaid or 75 hours paid work, and may enroll in up to 8 units a semester with a maximum of 16 total units of any type of work experience education (including Internships, WEXP M10, and WEXP M20). Students enrolling in up to 4 units must be concurrently enrolled in 7 units, including the internship units. Students enrolling in 5-8 units must be enrolled in no more than 1 additional course. Students are required to attend an orientation, develop three learning objectives, and complete a work experience paper or project. To take this course, contact the Internship Office: (805) 378-1536. May be taken a maximum of 4 times for credit. Applies to Associate Degree. Transfer credit: CSU, pending.

WEXP M31  Job & Career Readiness  0.50 Unit
Provides understanding of how to prepare for employment in order to achieve personal job or career goals, such as prioritizing goals, identifying key attributes that employers prize, developing an approach appropriate to goals, and self-management techniques that include building self-confidence, staying motivated, and managing stress. Will develop a personalized Action Plan- a personalized, step-by-step employment preparation strategy. (Formerly WEXP M16). Applies to Associate Degree. Transfer credit: CSU.

WEXP M34  Professional Resumes  0.50 Unit
Provides resume and cover letter writing information and practice in specific and/or general career areas according to contemporary trends in hiring. Includes functional, chronological, and combination resume styles and resumes for electronic format. Student will develop and write personal resumes and cover letters using different formats. (Formerly WEXP M12). Applies to Associate Degree. Transfer credit: CSU.

WEXP M35  Effective Interviews  0.50 Unit
Provides job interviewing information and practice in specific and/or general career areas. Includes current interviewing styles, sample questions, legal parameters, and appropriate dress, demeanor, and response. (Formerly WEXP M11). Applies to Associate Degree. Transfer credit: CSU.

WEXP M36  Strategies for Career Success  0.50 Unit
Provides information on how to prepare for and achieve employment success, including understanding workplace culture and expectations, understanding and practicing workplace ethics, responding well to critical feedback, managing stress and conflict, and working within a team environment. (Formerly WEXP M15). Applies to Associate Degree. Transfer credit: CSU.

ZOOLOGY

ZOO M01  Introduction to Zoology  5.00 Units
Introduces the major phyla of animals. Examines the anatomy and physiology of the major phyla from an evolutionary perspective, relating structure, metabolism, genetics, reproduction, development, lifestyle, behavior, and habitat location to species success. Emphasizes the relationship between form and function at the level of cells, organ systems, and communities. In lab, students develop skill with the scientific method as they examine the anatomy and physiology of representative animals in each of the major animal groupings. Applies to Associate Degree. Transfer credit: CSU; UC.

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