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| DEPARTMENT: EARTH AND SPACE SCIENCES |       |                                                                                               |                     |                           |                 |                                |                             |                         |             |                   |                  |                  |
|--------------------------------------|-------|-----------------------------------------------------------------------------------------------|---------------------|---------------------------|-----------------|--------------------------------|-----------------------------|-------------------------|-------------|-------------------|------------------|------------------|
| COURSE<br>CURRIC NUM                 | TITLE | EFFECTIVE QUARTERS                                                                            | QUARTER CREDITS     | OVER D<br>-ALL U<br>MAX P | D<br>GRD<br>SYS | S H F<br>U N E<br>D HYPH M R E | V L I<br>P & N C<br>A S W T | E E<br>L E C Q<br>M S N | R<br>T<br>G | RESPONS<br>COURSE | JOINT<br>COURSES | O<br>M<br>I<br>T |
| ESS                                  | 100   | DINOSAURS<br>DINOSAURS<br>COMMENT:MOVE COLLEGE                                                | AUT/2009 - AUT/9999 | 2.0                       | .               | .                              | .                           | . Y . . . .             | .           |                   |                  | .                |
|                                      |       |                                                                                               |                     | LAST UPDT:                |                 | 8/12/09                        | APPROVED:12/01/85           |                         |             |                   |                  |                  |
| ESS                                  | 101   | INTRO TO GEOL SCI<br>INTRODUCTION TO GEOLOGICAL SCIENCES<br>COMMENT:MOVE COLLEGE              | AUT/2009 - AUT/9999 | 5.0                       | .               | .                              | .                           | . Y . . . .             | .           |                   |                  | .                |
|                                      |       |                                                                                               |                     | LAST UPDT:                |                 | 8/12/09                        | APPROVED: 1/01/82           |                         |             |                   |                  |                  |
|                                      |       |                                                                                               |                     | FEE TYPE:1                | \$30.00         | BUDGET:069340                  | REV OBJ CD:943081           |                         |             |                   |                  |                  |
| ESS                                  | 102   | SPACE&SPACE TRAVEL<br>SPACE AND SPACE TRAVEL<br>COMMENT:MOVE COLLEGE                          | AUT/2009 - AUT/9999 | 5.0                       | .               | .                              | .                           | . Y . . . .             | .           |                   |                  | .                |
|                                      |       |                                                                                               |                     | LAST UPDT:                |                 | 8/12/09                        | APPROVED: 1/01/82           |                         |             |                   |                  |                  |
|                                      |       |                                                                                               |                     | FEE TYPE:1                | \$20.00         | BUDGET:069340                  | REV OBJ CD:943081           |                         |             |                   |                  |                  |
| ESS                                  | 103   | MINERALS AND GEMS<br>MINERALS AND GEMS<br>COMMENT:MOVE COLLEGE                                | AUT/2009 - AUT/9999 | 3.0                       | .               | .                              | .                           | . Y . . . .             | .           |                   |                  | .                |
|                                      |       |                                                                                               |                     | LAST UPDT:                |                 | 8/12/09                        | APPROVED: 9/24/01           |                         |             |                   |                  |                  |
|                                      |       |                                                                                               |                     | FEE TYPE:1                | \$11.00         | BUDGET:069340                  | REV OBJ CD:943081           |                         |             |                   |                  |                  |
| ESS                                  | 104   | PREHISTORIC LIFE<br>PREHISTORIC LIFE<br>COMMENT:MOVE COLLEGE                                  | AUT/2009 - AUT/9999 | 3.0                       | .               | .                              | .                           | . Y . . . .             | .           |                   |                  | .                |
|                                      |       |                                                                                               |                     | LAST UPDT:                |                 | 8/12/09                        | APPROVED: 1/30/03           |                         |             |                   |                  |                  |
|                                      |       |                                                                                               |                     | FEE TYPE:1                | \$10.00         | BUDGET:069340                  | REV OBJ CD:943081           |                         |             |                   |                  |                  |
| ESS                                  | 105   | PROCESSES & HAZARDS<br>THE EARTH: ITS PROCESSES AND HAZARDS<br>COMMENT:MOVE COLLEGE           | AUT/2009 - AUT/9999 | 5.0                       | .               | .                              | .                           | . Y . . . .             | .           |                   |                  | .                |
|                                      |       |                                                                                               |                     | LAST UPDT:                |                 | 8/12/09                        | APPROVED: 4/28/03           |                         |             |                   |                  |                  |
|                                      |       |                                                                                               |                     | FEE TYPE:1                | \$15.00         | BUDGET:069340                  | REV OBJ CD:943081           |                         |             |                   |                  |                  |
| ESS                                  | 106   | LIVING WITH VOLCANO<br>LIVING WITH VOLCANOES<br>COMMENT:MOVE COLLEGE                          | AUT/2009 - AUT/9999 | 3.0                       | .               | .                              | .                           | . Y Y . . . .           | .           |                   |                  | .                |
|                                      |       |                                                                                               |                     | LAST UPDT:                |                 | 8/12/09                        | APPROVED: 4/28/03           |                         |             |                   |                  |                  |
| ESS                                  | 107   | ENVIRON WASH GEOL<br>ENVIRONMENTS OF WASHINGTON THROUGH GEOLOGIC TIME<br>COMMENT:MOVE COLLEGE | AUT/2009 - AUT/9999 | 5.0                       | .               | .                              | .                           | . Y . . . .             | .           |                   |                  | .                |
|                                      |       |                                                                                               |                     | LAST UPDT:                |                 | 8/12/09                        | APPROVED: 6/10/03           |                         |             |                   |                  |                  |
| ESS                                  | 115   | INTRO ASTROBIOLOGY<br>ASTROBIOLOGY: LIFE IN THE UNIVERSE<br>COMMENT:MOVE JT COLLEGE           | SPR/2010 - AUT/9999 | 5.0                       | .               | .                              | .                           | . Y . . . .             | .           | ASTBI0115         | ASTBI0115        | .                |
|                                      |       |                                                                                               |                     | LAST UPDT:                |                 | 2/10/10                        | APPROVED: 2/27/04           |                         |             |                   |                  |                  |
|                                      |       |                                                                                               |                     |                           |                 |                                |                             |                         | OCEAN       | 115               |                  |                  |
|                                      |       |                                                                                               |                     |                           |                 |                                |                             |                         | ASTR        | 115               |                  |                  |
|                                      |       |                                                                                               |                     |                           |                 |                                |                             |                         | BIOL        | 114               |                  |                  |
| ESS                                  | 201   | EARTH CLIMATE<br>THE EARTH SYSEM AND CLIMATE<br>COMMENT:MOVE COLLEGE                          | AUT/2009 - AUT/9999 | 5.0                       | .               | .                              | .                           | . Y . . . .             | .           |                   |                  | .                |
|                                      |       |                                                                                               |                     | LAST UPDT:                |                 | 8/12/09                        | APPROVED: 6/27/01           |                         |             |                   |                  |                  |
| ESS                                  | 202   | EARTHQUAKES<br>EARTHQUAKES<br>COMMENT:MOVE COLLEGE                                            | AUT/2009 - AUT/9999 | 5.0                       | .               | .                              | .                           | . Y . . . .             | .           |                   |                  | .                |
|                                      |       |                                                                                               |                     | LAST UPDT:                |                 | 8/12/09                        | APPROVED: 3/13/97           |                         |             |                   |                  |                  |
|                                      |       |                                                                                               |                     | FEE TYPE:1                | \$15.00         | BUDGET:069340                  | REV OBJ CD:943081           |                         |             |                   |                  |                  |

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TIME: 20:10:27

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COLLEGE : D - Environment  
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| COURSE<br>CURRIC NUM | TITLE | EFFECTIVE                                                                                     | QUARTERS            | QUARTER<br>CREDITS | OVER D<br>-ALL U | D<br>GRD E | S H F<br>U N E | V<br>L I  | E E<br>P & N C M S N | W<br>L R  | RESPONS<br>COURSE | JOINT<br>COURSES  | O<br>M<br>I<br>T |
|----------------------|-------|-----------------------------------------------------------------------------------------------|---------------------|--------------------|------------------|------------|----------------|-----------|----------------------|-----------|-------------------|-------------------|------------------|
|                      |       |                                                                                               |                     |                    | MAX              | P          | SYS            | D         | HYPH                 | M R E     | A S W T P R G     |                   |                  |
| ESS                  | 203   | GLACIERS/GLBL CHNGE<br>GLACIERS AND GLOBAL CHANGE<br>COMMENT:MOVE COLLEGE                     | AUT/2009 - AUT/9999 | 5.0                |                  |            |                |           |                      | Y         | Y                 |                   |                  |
|                      |       |                                                                                               |                     |                    | LAST             | UPDT:      | 8/12/09        | APPROVED: | 9/28/98              |           |                   |                   |                  |
|                      |       |                                                                                               |                     |                    | FEE TYPE:1       | \$12.00    | BUDGET:069340  | REV       | OBJ                  | CD:943081 |                   |                   |                  |
| ESS                  | 205   | ACCESS TO SPACE<br>ACCESS TO SPACE<br>COMMENT:MOVE COLLEGE                                    | AUT/2009 - AUT/9999 | 5.0                |                  |            |                |           |                      | Y         | Y                 |                   |                  |
|                      |       |                                                                                               |                     |                    | LAST             | UPDT:      | 8/12/09        | APPROVED: | 2/26/03              |           |                   |                   |                  |
|                      |       |                                                                                               |                     |                    | FEE TYPE:1       | \$32.00    | BUDGET:069340  | REV       | OBJ                  | CD:943081 |                   |                   |                  |
| ESS                  | 209   | INTERDISC FIELD SEM<br>INTERDISCIPLINARY EARTH SCIENCES FIELD SEMINAR<br>COMMENT:MOVE COLLEGE | AUT/2009 - AUT/9999 | 3.0-12.0           | 12.0             |            |                |           |                      |           | Y                 |                   |                  |
|                      |       |                                                                                               |                     |                    | LAST             | UPDT:      | 8/12/09        | APPROVED: | 7/13/05              |           |                   |                   |                  |
| ESS                  | 210   | PHYSICAL GEOLOGY<br>PHYSICAL GEOLOGY<br>COMMENT:MOVE COLLEGE                                  | AUT/2009 - AUT/9999 | 5.0                |                  |            |                |           |                      | Y         | Y                 |                   |                  |
|                      |       |                                                                                               |                     |                    | LAST             | UPDT:      | 8/12/09        | APPROVED: | 1/01/82              |           |                   |                   |                  |
|                      |       |                                                                                               |                     |                    | FEE TYPE:1       | \$20.00    | BUDGET:069340  | REV       | OBJ                  | CD:943081 |                   |                   |                  |
| ESS                  | 211   | PHYS PROC EARTH<br>PHYSICAL PROCESS OF THE EARTH<br>COMMENT:MOVE COLLEGE                      | AUT/2009 - AUT/9999 | 5.0                |                  |            |                |           |                      | Y         | Y                 |                   |                  |
|                      |       |                                                                                               |                     |                    | LAST             | UPDT:      | 8/12/09        | APPROVED: | 3/17/97              |           |                   |                   |                  |
|                      |       |                                                                                               |                     |                    | FEE TYPE:1       | \$26.00    | BUDGET:069340  | REV       | OBJ                  | CD:943081 |                   |                   |                  |
| ESS                  | 212   | EARTH MATERIALS<br>EARTH MATERIALS AND PROCESSES<br>COMMENT:MOVE COLLEGE                      | AUT/2009 - AUT/9999 | 5.0                |                  |            |                |           |                      | Y         | Y                 |                   |                  |
|                      |       |                                                                                               |                     |                    | LAST             | UPDT:      | 8/12/09        | APPROVED: | 9/22/97              |           |                   |                   |                  |
|                      |       |                                                                                               |                     |                    | FEE TYPE:1       | \$15.00    | BUDGET:069340  | REV       | OBJ                  | CD:943081 |                   |                   |                  |
| ESS                  | 213   | EVOLUTION OF EARTH<br>EVOLUTION OF THE EARTH<br>COMMENT:MOVE COLLEGE                          | AUT/2009 - AUT/9999 | 5.0                |                  |            |                |           |                      | Y         | Y                 |                   |                  |
|                      |       |                                                                                               |                     |                    | LAST             | UPDT:      | 8/12/09        | APPROVED: | 9/22/97              |           |                   |                   |                  |
|                      |       |                                                                                               |                     |                    | FEE TYPE:1       | \$40.00    | BUDGET:069340  | REV       | OBJ                  | CD:943081 |                   |                   |                  |
| ESS                  | 230   | RIVERS AND BEACHES<br>RIVERS AND BEACHES<br>COMMENT:MOVE JT COLLEGE                           | SPR/2010 - AUT/9999 | 3.0-05.0           |                  |            |                |           |                      | Y         | Y                 | ESS 230 OCEAN 230 |                  |
|                      |       |                                                                                               |                     |                    | LAST             | UPDT:      | 2/10/10        | APPROVED: | 4/28/03              |           |                   |                   |                  |
|                      |       |                                                                                               |                     |                    | FEE TYPE:1       | \$50.00    | BUDGET:069340  | REV       | OBJ                  | CD:943081 |                   |                   |                  |
| ESS                  | 301   | GEOL OF NORTHWEST<br>GEOLOGY OF THE NORTHWEST<br>COMMENT:MOVE COLLEGE                         | AUT/2009 - AUT/9999 | 5.0                |                  |            |                |           |                      | Y         | Y                 |                   |                  |
|                      |       |                                                                                               |                     |                    | LAST             | UPDT:      | 8/12/09        |           |                      |           |                   |                   |                  |
|                      |       |                                                                                               |                     |                    | FEE TYPE:1       | \$25.00    | BUDGET:069340  | REV       | OBJ                  | CD:943081 |                   |                   |                  |
| ESS                  | 302   | GREAT ICE AGE<br>GREAT ICE AGE<br>COMMENT:MOVE COLLEGE                                        | AUT/2009 - AUT/9999 | 5.0                |                  |            |                |           |                      | Y         | Y                 |                   |                  |
|                      |       |                                                                                               |                     |                    | LAST             | UPDT:      | 8/12/09        | APPROVED: | 10/01/85             |           |                   |                   |                  |
|                      |       |                                                                                               |                     |                    | FEE TYPE:1       | \$20.00    | BUDGET:069340  | REV       | OBJ                  | CD:943081 |                   |                   |                  |
| ESS                  | 303   | GEOLOGIC HAZARDS<br>GEOLOGIC HAZARDS<br>COMMENT:MOVE COLLEGE                                  | AUT/2009 - AUT/9999 | 5.0                |                  |            |                |           |                      |           | Y                 |                   |                  |
|                      |       |                                                                                               |                     |                    | LAST             | UPDT:      | 8/12/09        | APPROVED: | 12/06/91             |           |                   |                   |                  |

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| COURSE<br>CURRIC NUM | TITLE                                                                                       | EFFECTIVE           | QUARTERS | QUARTER<br>CREDITS | OVER D<br>-ALL U<br>MAX P | D<br>GRD<br>SYS | D<br>E<br>HYPH | S H F<br>U N E<br>M R E | V<br>L I<br>P & N<br>A S W | E E<br>L E C<br>M S N<br>T P R G | RESPONS<br>COURSE | JOINT<br>COURSES | O<br>M<br>I<br>T |
|----------------------|---------------------------------------------------------------------------------------------|---------------------|----------|--------------------|---------------------------|-----------------|----------------|-------------------------|----------------------------|----------------------------------|-------------------|------------------|------------------|
| ESS 304              | NW VOLC AND GLAC<br>VOLCANOES AND GLACIERS OF THE PACIFIC NORTHWEST<br>COMMENT:MOVE COLLEGE | AUT/2009 - AUT/9999 | 5.0      |                    | LAST UPDT: 1/15/10        |                 |                | Y                       | Y                          |                                  |                   |                  |                  |
|                      |                                                                                             |                     |          |                    | FEE TYPE:1                | \$39.00         | BUDGET:069340  | REV OBJ CD:943081       |                            |                                  |                   |                  |                  |
| ESS 305              | GEOL NATIONAL PARKS<br>GEOLOGY OF THE NATIONAL PARKS<br>COMMENT:MOVE COLLEGE                | AUT/2009 - AUT/9999 | 5.0      |                    | LAST UPDT: 8/12/09        |                 |                | Y                       | Y                          |                                  |                   |                  |                  |
|                      |                                                                                             |                     |          |                    | FEE TYPE:1                | \$30.00         | BUDGET:069340  | REV OBJ CD:943081       |                            |                                  |                   |                  |                  |
| ESS 306              | PLANETARY GEOLOGY<br>PLANETARY GEOLOGY<br>COMMENT:MOVE COLLEGE                              | AUT/2009 - AUT/9999 | 5.0      |                    | LAST UPDT: 8/12/09        |                 |                |                         | Y                          |                                  |                   |                  |                  |
|                      |                                                                                             |                     |          |                    | FEE TYPE:1                | \$10.00         | BUDGET:069340  | REV OBJ CD:943081       |                            |                                  |                   |                  |                  |
| ESS 312              | GEOCHEMISTRY<br>GEOCHEMISTRY<br>COMMENT:MOVE COLLEGE                                        | AUT/2009 - AUT/9999 | 5.0      |                    | LAST UPDT: 8/12/09        |                 |                |                         | Y                          |                                  |                   |                  |                  |
|                      |                                                                                             |                     |          |                    | FEE TYPE:1                | \$40.00         | BUDGET:069340  | REV OBJ CD:943081       |                            |                                  |                   |                  |                  |
| ESS 313              | GEOBIOLOGY<br>GEOBIOLOGY<br>COMMENT:MOVE COLLEGE                                            | AUT/2009 - AUT/9999 | 5.0      |                    | LAST UPDT: 8/12/09        |                 |                | Y                       | Y                          |                                  |                   |                  |                  |
|                      |                                                                                             |                     |          |                    | FEE TYPE:1                | \$20.00         | BUDGET:069340  | REV OBJ CD:943081       |                            |                                  |                   |                  |                  |
| ESS 314              | GEOPHYS: EXP TO EART<br>GEOPHYSICS: EXPEDITION TO PLANET EARTH<br>COMMENT:MOVE COLLEGE      | AUT/2009 - AUT/9999 | 5.0      |                    | LAST UPDT: 8/12/09        |                 |                |                         | Y                          |                                  |                   |                  |                  |
|                      |                                                                                             |                     |          |                    | FEE TYPE:1                | \$20.00         | BUDGET:069340  | REV OBJ CD:943081       |                            |                                  |                   |                  |                  |
| ESS 315              | ENVIR EARTH SCI<br>ENVIRONMENTAL EARTH SCIENCE<br>COMMENT:MOVE COLLEGE                      | AUT/2009 - AUT/9999 | 5.0      |                    | LAST UPDT: 8/12/09        |                 |                | Y                       | Y                          |                                  |                   |                  |                  |
|                      |                                                                                             |                     |          |                    | FEE TYPE:1                | \$20.00         | BUDGET:069340  | REV OBJ CD:943081       |                            |                                  |                   |                  |                  |
| ESS 320              | CHANGING RIVERS<br>CHANGING RIVERS OF PUGET SOUND<br>COMMENT:PENDING                        | SPR/2012 - AUT/9999 | 5.0      |                    | LAST UPDT: 1/11/11        |                 |                |                         | Y                          |                                  |                   |                  |                  |
|                      |                                                                                             |                     |          |                    | FEE TYPE:1                | \$30.00         | BUDGET:069340  | REV OBJ CD:943081       |                            |                                  |                   |                  |                  |
| ESS 326              | GEOMORPHOLOGY<br>GEOMORPHOLOGY<br>COMMENT:MOVE COLLEGE                                      | AUT/2009 - AUT/9999 | 5.0      |                    | LAST UPDT: 8/12/09        |                 |                | Y                       | Y                          |                                  |                   |                  |                  |
|                      |                                                                                             |                     |          |                    | FEE TYPE:1                | \$50.00         | BUDGET:069340  | REV OBJ CD:943081       |                            |                                  |                   |                  |                  |
| ESS 345              | MINERAL DEPOSITS<br>THE ENVIRONMENT OF FUEL AND MINERAL DEPOSITS<br>COMMENT:MOVE COLLEGE    | AUT/2009 - AUT/9999 | 3.0      |                    | LAST UPDT: 8/12/09        |                 |                | Y                       | Y                          |                                  |                   |                  |                  |
|                      |                                                                                             |                     |          |                    | FEE TYPE:1                | \$50.00         | BUDGET:069340  | REV OBJ CD:943081       |                            |                                  |                   |                  |                  |

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| DEPARTMENT: EARTH AND SPACE SCIENCES |            |                                                                                          |                     |          |          |            |          |               |                   |      |     |     |     |         |       |   |           |           |
|--------------------------------------|------------|------------------------------------------------------------------------------------------|---------------------|----------|----------|------------|----------|---------------|-------------------|------|-----|-----|-----|---------|-------|---|-----------|-----------|
| CURRIC                               | COURSE NUM | TITLE                                                                                    | EFFECTIVE           | QUARTERS | CREDITS  | OVER D     |          | D             | S H F             | V    | L I | E E | W R | RESPONS | JOINT | O |           |           |
|                                      |            |                                                                                          |                     |          |          | -ALL       | U        |               |                   |      |     |     |     |         |       |   | GRD       | E         |
|                                      |            |                                                                                          |                     |          |          | MAX        | P        | SYS           | D                 | HYPH | M   | R   | E   | A       | S     | W | T         | P         |
| ESS                                  | 400        | FIELD GEOLOGY<br>FIELD GEOLOGY<br>COMMENT:MOVE COLLEGE                                   | AUT/2009 - AUT/9999 |          | 12.0     |            |          |               |                   |      |     |     |     |         |       |   |           |           |
|                                      |            |                                                                                          |                     |          |          | LAST UPDT: | 8/12/09  | APPROVED:     | 3/01/89           |      |     |     |     |         |       |   |           |           |
| ESS                                  | 401        | REGIONAL GEOL PNW<br>REGIONAL GEOLOGY OF THE PACIFIC NORTHWEST<br>COMMENT:MOVE COLLEGE   | AUT/2009 - AUT/9999 |          | 3.0      |            |          |               |                   |      |     |     |     |         |       |   |           |           |
|                                      |            |                                                                                          |                     |          |          | LAST UPDT: | 8/12/09  | APPROVED:     | 5/20/96           |      |     |     |     |         |       |   |           |           |
|                                      |            |                                                                                          |                     |          |          | FEE TYPE:1 | \$45.00  | BUDGET:069340 | REV OBJ CD:943081 |      |     |     |     |         |       |   |           |           |
| ESS                                  | 402        | INTL FIELD GEOLOGY<br>INTERNATIONAL FIELD GEOLOGY<br>COMMENT:MOVE COLLEGE                | AUT/2009 - AUT/9999 |          | 3.0-12.0 | 12.0       |          |               |                   |      |     |     |     |         |       |   |           |           |
|                                      |            |                                                                                          |                     |          |          | LAST UPDT: | 8/12/09  | APPROVED:     | 12/01/99          |      |     |     |     |         |       |   |           |           |
| ESS                                  | 403        | GLOBAL TECTONICS<br>GLOBAL TECTONICS<br>COMMENT:CHG TTL,CRDT,DSC, COLLEGE                | AUT/2009 - AUT/9999 |          | 5.0      |            |          |               |                   |      |     |     |     |         |       |   |           |           |
|                                      |            |                                                                                          |                     |          |          | LAST UPDT: | 8/12/09  | APPROVED:     | 1/28/00           |      |     |     |     |         |       |   |           |           |
| ESS                                  | 406        | EARTH SCI FOR TEACH<br>EARTH SCIENCES FOR MIDDLE AND HIGH SCHOOL<br>COMMENT:MOVE COLLEGE | AUT/2009 - AUT/9999 |          | 3.0      |            |          |               |                   |      |     |     |     |         |       |   |           |           |
|                                      |            |                                                                                          |                     |          |          | LAST UPDT: | 8/12/09  | APPROVED:     | 2/25/02           |      |     |     |     |         |       |   |           |           |
| ESS                                  | 408        | GREAT ISSUES<br>GREAT GEOLOGICAL ISSUES<br>COMMENT:MOVE COLLEGE                          | AUT/2009 - AUT/9999 |          | 3.0      |            |          |               |                   |      |     |     |     |         |       |   |           |           |
|                                      |            |                                                                                          |                     |          |          | LAST UPDT: | 8/12/09  | APPROVED:     | 3/29/06           |      |     |     |     |         |       |   |           |           |
| ESS                                  | 410        | MAR GEOL AND GEOPHY<br>MARINE GEOLOGY AND GEOPHYSICS<br>COMMENT:CHG DESC, PREQ           | AUT/2010 - AUT/9999 |          | 4.0      |            |          |               |                   |      |     |     |     |         |       |   | OCEAN 410 | OCEAN 410 |
|                                      |            |                                                                                          |                     |          |          | LAST UPDT: | 8/25/10  | APPROVED:     | 1/25/06           |      |     |     |     |         |       |   |           |           |
| ESS                                  | 411        | CONTINUUM MECHANICS<br>GEOPHYSICAL CONTINUUM MECHANICS<br>COMMENT:CHG CREDITS            | AUT/2010 - AUT/9999 |          | 5.0      |            |          |               |                   |      |     |     |     |         |       |   |           |           |
|                                      |            |                                                                                          |                     |          |          | LAST UPDT: | 3/15/10  |               |                   |      |     |     |     |         |       |   |           |           |
| ESS                                  | 412        | SEISMOLOGY<br>SEISMOLOGY<br>COMMENT:MOVE COLLEGE                                         | AUT/2009 - SUM/2011 |          | 3.0      |            |          |               |                   |      |     |     |     |         |       |   |           |           |
|                                      |            |                                                                                          |                     |          |          | LAST UPDT: | 12/20/10 |               |                   |      |     |     |     |         |       |   |           |           |
| ESS                                  | 412        | INTRO SEISMOLOGY<br>INTRODUCTION TO SEISMOLOGY<br>COMMENT:CHG TITLES, PREQ, DESC         | AUT/2011 - AUT/9999 |          | 3.0      |            |          |               |                   |      |     |     |     |         |       |   |           |           |
|                                      |            |                                                                                          |                     |          |          | LAST UPDT: | 12/20/10 |               |                   |      |     |     |     |         |       |   |           |           |
| ESS                                  | 413        | GEOPHYSICS EARTH<br>GEOPHYSICS-THE EARTH<br>COMMENT:MOVE COLLEGE                         | AUT/2009 - AUT/9999 |          | 3.0      |            |          |               |                   |      |     |     |     |         |       |   |           |           |
|                                      |            |                                                                                          |                     |          |          | LAST UPDT: | 8/12/09  |               |                   |      |     |     |     |         |       |   |           |           |

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COLLEGE : D - Environment  
DEPARTMENT: EARTH AND SPACE SCIENCES

| COURSE<br>CURRIC NUM | TITLE                                                                               | EFFECTIVE           | QUARTERS | QUARTER<br>CREDITS | OVER D<br>-ALL U<br>MAX P | GRD<br>SYS | D<br>E<br>D HYPH | S H F<br>U N E<br>M R E | V<br>L I<br>P & N<br>A S W | E E<br>L C M<br>T P R | W<br>R<br>G | RESPONS<br>COURSE | JOINT<br>COURSES              | O<br>M<br>I<br>T |
|----------------------|-------------------------------------------------------------------------------------|---------------------|----------|--------------------|---------------------------|------------|------------------|-------------------------|----------------------------|-----------------------|-------------|-------------------|-------------------------------|------------------|
| ESS 414              | FLUIDS<br>GEOPHYSICS: FLUIDS<br>COMMENT:MOVE COLLEGE                                | AUT/2009 - AUT/9999 | 3.0      |                    |                           |            |                  |                         |                            |                       | Y           |                   |                               |                  |
|                      |                                                                                     |                     |          |                    | LAST UPDT: 8/12/09        |            |                  |                         |                            |                       |             |                   |                               |                  |
| ESS 415              | SPACE AND PLASMAS<br>SPACE AND PLASMAS<br>COMMENT:MOVE COLLEGE                      | AUT/2009 - AUT/9999 | 3.0      |                    |                           |            |                  |                         |                            |                       | Y           |                   |                               |                  |
|                      |                                                                                     |                     |          |                    | LAST UPDT: 8/12/09        |            |                  |                         |                            |                       |             |                   |                               |                  |
| ESS 416              | GEOPHYS ATMOS<br>GEOPHYSICS-THE ATMOSPHERE<br>COMMENT:MOVE COLLEGE                  | AUT/2009 - AUT/9999 | 3.0      |                    |                           |            |                  |                         |                            |                       | Y           |                   |                               |                  |
|                      |                                                                                     |                     |          |                    | LAST UPDT: 8/12/09        |            |                  | APPROVED: 10/12/72      |                            |                       |             |                   |                               |                  |
| ESS 418              | GEOSCIENCE COMM<br>GEOSCIENCE COMMUNICATON                                          | WIN/2011 - AUT/9999 | 3.0      |                    |                           |            |                  |                         |                            |                       |             |                   |                               |                  |
|                      |                                                                                     |                     |          |                    | LAST UPDT: 10/29/10       |            |                  | APPROVED: 6/15/10       |                            |                       |             |                   |                               |                  |
| ESS 421              | INTRO REMOT SENSING<br>INTRO TO GEOLOGICAL REMOTE SENSING<br>COMMENT:MOVE COLLEGE   | AUT/2009 - AUT/9999 | 4.0      |                    |                           |            |                  |                         |                            |                       | Y           |                   |                               |                  |
|                      |                                                                                     |                     |          |                    | LAST UPDT: 8/12/09        |            |                  | APPROVED: 6/01/81       |                            |                       |             |                   |                               |                  |
| ESS 422              | SPECTRL REMOTE SENS<br>INTERMEDIATE SPECTRAL REMOTE SENSING<br>COMMENT:MOVE COLLEGE | AUT/2009 - AUT/9999 | 4.0      |                    |                           |            |                  |                         |                            |                       | Y           |                   |                               |                  |
|                      |                                                                                     |                     |          |                    | LAST UPDT: 8/12/09        |            |                  | APPROVED: 9/20/99       |                            |                       |             |                   |                               |                  |
| ESS 424              | WATER IN ENVIRONMNT<br>WATER IN THE ENVIRONMENT<br>COMMENT:MOVE COLLEGE             | AUT/2009 - AUT/9999 | 3.0      |                    |                           |            |                  |                         |                            |                       | Y           |                   | ESS 424 ATM S 460<br>PHYS 460 |                  |
|                      |                                                                                     |                     |          |                    | LAST UPDT: 8/12/09        |            |                  | APPROVED: 2/25/00       |                            |                       |             |                   |                               |                  |
| ESS 426              | FLUVIAL GEOMORPH<br>FLUVIAL GEOMORPHOLOGY<br>COMMENT:MOVE COLLEGE                   | AUT/2009 - AUT/9999 | 5.0      |                    |                           |            |                  |                         |                            |                       | Y           |                   |                               |                  |
|                      |                                                                                     |                     |          |                    | LAST UPDT: 8/12/09        |            |                  | APPROVED: 1/01/79       |                            |                       |             |                   |                               |                  |
|                      |                                                                                     |                     |          |                    | FEE TYPE:1                | \$40.00    | BUDGET:069340    | REV OBJ CD:943081       |                            |                       |             |                   |                               |                  |
| ESS 427              | HILLSLOPE GEOMORPH<br>HILLSLOPE GEOMORPHOLOGY<br>COMMENT:MOVE COLLEGE               | AUT/2009 - AUT/9999 | 5.0      |                    |                           |            |                  |                         |                            |                       | Y           |                   |                               |                  |
|                      |                                                                                     |                     |          |                    | LAST UPDT: 8/12/09        |            |                  | APPROVED: 1/01/79       |                            |                       |             |                   |                               |                  |
| ESS 428              | LANDSCAPE EVOLUTION<br>LANDSCAPE EVOLUTION<br>COMMENT:MOVE COLLEGE                  | AUT/2009 - AUT/9999 | 5.0      |                    |                           |            |                  |                         |                            |                       | Y           |                   |                               |                  |
|                      |                                                                                     |                     |          |                    | LAST UPDT: 8/12/09        |            |                  | APPROVED: 2/25/98       |                            |                       |             |                   |                               |                  |
| ESS 431              | PRINS OF GLACIOLOGY<br>PRINCIPLES OF GLACIOLOGY<br>COMMENT:MOVE COLLEGE             | AUT/2009 - AUT/9999 | 4.0      |                    |                           |            |                  |                         |                            |                       | Y           |                   |                               |                  |
|                      |                                                                                     |                     |          |                    | LAST UPDT: 8/12/09        |            |                  | APPROVED: 6/01/89       |                            |                       |             |                   |                               |                  |
|                      |                                                                                     |                     |          |                    | FEE TYPE:1                | \$17.00    | BUDGET:069340    | REV OBJ CD:943081       |                            |                       |             |                   |                               |                  |

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| CURRIC | COURSE<br>NUM | TITLE                                                                                                  | EFFECTIVE           | QUARTERS | CREDITS | OVER D D S H F L I E E W |   |     |   |      |   |   |   |   |   |   |   |   | RESPONS | JOINT | O |   |        |         |
|--------|---------------|--------------------------------------------------------------------------------------------------------|---------------------|----------|---------|--------------------------|---|-----|---|------|---|---|---|---|---|---|---|---|---------|-------|---|---|--------|---------|
|        |               |                                                                                                        |                     |          |         | -ALL                     | U | GRD | E | U    | N | E | P | & | N | C | M | S |         |       |   | N | COURSE | COURSES |
|        |               |                                                                                                        |                     |          |         | MAX                      | P | SYS | D | HYPH | M | R | E | A | S | W | T | P | R       | G     |   |   | I      | T       |
| ESS    | 432           | GLACIAL GEOLOGY<br>GLACIAL GEOLOGY<br>COMMENT:MOVE COLLEGE                                             | AUT/2009 - AUT/9999 |          | 5.0     |                          |   |     |   |      |   |   |   |   |   |   |   | Y |         |       |   |   |        | .       |
|        |               |                                                                                                        |                     |          |         |                          |   |     |   |      |   |   |   |   |   |   |   |   |         |       |   |   |        |         |
| ESS    | 433           | ENV OF GLACIAL AGES<br>ENVIRONMENTAL CHANGE IN THE GLACIAL AGES<br>COMMENT:CHG CREDITS, DROP JT STATUS | AUT/2010 - AUT/9999 |          | 5.0     |                          |   |     |   |      |   |   |   |   |   |   |   | Y |         |       |   |   |        | .       |
|        |               |                                                                                                        |                     |          |         |                          |   |     |   |      |   |   |   |   |   |   |   |   |         |       |   |   |        |         |
| ESS    | 435           | GLACIAL PERIGLACIAL<br>GLACIAL-PERIGLACIAL GEOMORPHOLOGY                                               | SPR/2011 - AUT/9999 |          | 3.0     |                          |   |     |   |      |   |   |   |   |   |   |   | Y |         |       |   |   |        | .       |
|        |               |                                                                                                        |                     |          |         |                          |   |     |   |      |   |   |   |   |   |   |   |   |         |       |   |   |        |         |
| ESS    | 437           | MINERALOGY<br>MINERALOGY<br>COMMENT:MOVE COLLEGE                                                       | AUT/2009 - AUT/9999 |          | 5.0     |                          |   |     |   |      |   |   |   |   |   |   |   | Y |         |       |   |   |        | .       |
|        |               |                                                                                                        |                     |          |         |                          |   |     |   |      |   |   |   |   |   |   |   |   |         |       |   |   |        |         |
| ESS    | 439           | PETRG/PETRL IGN RCK<br>PETROGRAPHY AND PETROLOGY OF IGNEOUS ROCKS<br>COMMENT:MOVE COLLEGE              | AUT/2009 - AUT/9999 |          | 5.0     |                          |   |     |   |      |   |   |   |   |   |   |   | Y |         |       |   |   |        | .       |
|        |               |                                                                                                        |                     |          |         |                          |   |     |   |      |   |   |   |   |   |   |   |   |         |       |   |   |        |         |
| ESS    | 440           | PETRO/PETRL META RK<br>PETROGRAPHY AND PETROLOGY OF METAMORPHIC ROCKS<br>COMMENT:MOVE COLLEGE          | AUT/2009 - AUT/9999 |          | 5.0     |                          |   |     |   |      |   |   |   |   |   |   |   | Y |         |       |   |   |        | .       |
|        |               |                                                                                                        |                     |          |         |                          |   |     |   |      |   |   |   |   |   |   |   |   |         |       |   |   |        |         |
| ESS    | 441           | PETRG/PETRL SED RCK<br>PETROLOGY AND PETROGRAPHY OF SEDIMENTARY ROCKS<br>COMMENT:MOVE COLLEGE          | AUT/2009 - AUT/9999 |          | 5.0     |                          |   |     |   |      |   |   |   |   |   |   |   | Y |         |       |   |   |        | .       |
|        |               |                                                                                                        |                     |          |         |                          |   |     |   |      |   |   |   |   |   |   |   |   |         |       |   |   |        |         |
| ESS    | 445           | GEOL OF ORE DEPOSIT<br>GEOLOGY OF ORE DEPOSITS<br>COMMENT:MOVE COLLEGE                                 | AUT/2009 - AUT/9999 |          | 5.0     |                          |   |     |   |      |   |   | Y |   |   |   |   | Y |         |       |   |   |        | .       |
|        |               |                                                                                                        |                     |          |         |                          |   |     |   |      |   |   |   |   |   |   |   |   |         |       |   |   |        |         |
| ESS    | 450           | PALEOBIOLOGY<br>PALEOBIOLOGY<br>COMMENT:MOVE COLLEGE                                                   | AUT/2009 - AUT/9999 |          | 3.0     |                          |   |     |   |      |   |   | Y |   |   |   |   | Y |         |       |   |   |        | .       |
|        |               |                                                                                                        |                     |          |         |                          |   |     |   |      |   |   |   |   |   |   |   |   |         |       |   |   |        |         |
| ESS    | 451           | INVERT PALEONTOLOGY<br>INVERTEBRATE PALEONTOLOGY<br>COMMENT:MOVE COLLEGE                               | AUT/2009 - AUT/9999 |          | 5.0     |                          |   |     |   |      |   |   | Y |   |   |   |   | Y |         |       |   |   |        | .       |
|        |               |                                                                                                        |                     |          |         |                          |   |     |   |      |   |   |   |   |   |   |   |   |         |       |   |   |        |         |
| ESS    | 452           | VERTE PALEO<br>VERTEBRATE PALEONTOLOGY<br>COMMENT:EMAIL PREQ CHG                                       | AUT/2010 - AUT/9999 |          | 5.0     |                          |   |     |   |      |   |   | Y |   |   |   |   | Y |         |       |   |   |        | .       |
|        |               |                                                                                                        |                     |          |         |                          |   |     |   |      |   |   |   |   |   |   |   |   |         |       |   |   |        |         |

LAST UPDT: 8/12/09 APPROVED:12/01/79

LAST UPDT: 4/19/10 APPROVED:12/01/85

LAST UPDT:12/21/10 APPROVED:12/21/10

LAST UPDT: 8/12/09 APPROVED:10/26/99

LAST UPDT: 8/12/09 . . . . . Y . . . . .

LAST UPDT: 8/12/09 . . . . . Y . . . . .

LAST UPDT: 8/12/09 APPROVED:12/01/81

LAST UPDT: 8/12/09 . . . Y . . . Y . . . . .

FEE TYPE:1 \$50.00 BUDGET:069340 REV OBJ CD:943081

LAST UPDT: 8/12/09 APPROVED: 2/01/82

FEE TYPE:1 \$20.00 BUDGET:069340 REV OBJ CD:943081

LAST UPDT:11/04/10 APPROVED: 2/25/02

FEE TYPE:1 \$45.00 BUDGET:069377 REV OBJ CD:943081

LAST UPDT: 3/16/10 APPROVED:12/01/85

FEE TYPE:1 \$40.00 BUDGET:069377 REV OBJ CD:943081

ESS 451 BIOL 451 .

BIOL 450 BIOL 450 .

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DEPARTMENT: EARTH AND SPACE SCIENCES

| DEPARTMENT: EARTH AND SPACE SCIENCES |               |                                                                                                       |            |          |                    |           |       |         |         |        |   |   |             |          |   |   |   |   |
|--------------------------------------|---------------|-------------------------------------------------------------------------------------------------------|------------|----------|--------------------|-----------|-------|---------|---------|--------|---|---|-------------|----------|---|---|---|---|
| CURRIC                               | COURSE<br>NUM | TITLE                                                                                                 | EFFECTIVE  | QUARTERS | QUARTER<br>CREDITS | OVER      | D     |         | D       | S      | H | F | V           | L        | E | E | W |   |
|                                      |               |                                                                                                       |            |          |                    | -ALL      | U     | GRD     | E       | U      | N | E | P           | I        | E | C | Q | T |
|                                      |               |                                                                                                       |            |          |                    | MAX       | P     | SYS     | D       | HYPH   | M | R | E           | A        | S | W | T | P |
|                                      |               |                                                                                                       |            |          |                    |           |       |         |         |        |   |   |             |          |   |   |   |   |
| ESS                                  | 453           | FOSSIL MAMMALS<br>FOSSIL MAMMALS<br>COMMENT:MOVE COLLEGE                                              | AUT/2009 - | AUT/9999 | 5.0                |           |       |         |         |        |   |   |             |          |   |   |   |   |
|                                      |               |                                                                                                       |            |          |                    | LAST      | UPDT: | 8/12/09 |         |        |   |   | APPROVED:   | 12/01/85 |   |   |   |   |
| ESS                                  | 454           | HYDROGEOLOGY<br>HYDROGEOLOGY                                                                          | AUT/2009 - | AUT/9999 | 3.0                |           |       |         |         |        |   |   |             |          |   |   |   |   |
|                                      |               |                                                                                                       |            |          |                    | LAST      | UPDT: | 8/12/09 |         |        |   |   | APPROVED:   | 5/19/09  |   |   |   |   |
| ESS                                  | 455           | STRATIGRAPHY<br>STRATIGRAPHY<br>COMMENT:MOVE COLLEGE                                                  | AUT/2009 - | AUT/9999 | 4.0                |           |       |         |         |        |   |   |             |          |   |   |   |   |
|                                      |               |                                                                                                       |            |          |                    | LAST      | UPDT: | 8/12/09 |         |        |   |   |             |          |   |   |   |   |
|                                      |               |                                                                                                       |            |          |                    | FEE TYPE: | 1     | \$15.00 | BUDGET: | 069340 |   |   | REV OBJ CD: | 943081   |   |   |   |   |
| ESS                                  | 456           | DEPOSTINAL ENVIRONS<br>DEPOSITIONAL ENVIRONMENTS<br>COMMENT:MOVE COLLEGE                              | AUT/2009 - | AUT/9999 | 4.0                |           |       |         |         |        |   |   |             |          |   |   |   |   |
|                                      |               |                                                                                                       |            |          |                    | LAST      | UPDT: | 8/12/09 |         |        |   |   | APPROVED:   | 1/01/82  |   |   |   |   |
|                                      |               |                                                                                                       |            |          |                    | FEE TYPE: | 1     | \$30.00 | BUDGET: | 069340 |   |   | REV OBJ CD: | 943081   |   |   |   |   |
| ESS                                  | 457           | ENV GEOCHEM<br>ENVIRONMENTAL GEOCHEMISTRY<br>COMMENT:MOVE COLLEGE                                     | AUT/2009 - | AUT/9999 | 4.0                |           |       |         |         |        |   |   |             |          |   |   |   |   |
|                                      |               |                                                                                                       |            |          |                    | LAST      | UPDT: | 8/12/09 |         |        |   |   | APPROVED:   | 3/29/06  |   |   |   |   |
| ESS                                  | 458           | ISOTOPE GEOL LITHOS<br>ISOTOPE AND TRACE ELEMENT GEOLOGY: LITHOSPHERE<br>COMMENT:UPDATE PREQ, COLLEGE | AUT/2009 - | AUT/9999 | 3.0                |           |       |         |         |        |   |   |             |          |   |   |   |   |
|                                      |               |                                                                                                       |            |          |                    | LAST      | UPDT: | 8/12/09 |         |        |   |   | APPROVED:   | 6/01/90  |   |   |   |   |
| ESS                                  | 459           | ENV ISOTOPE GEOCHEM<br>ENVIRONMENTAL ISOTOPE GEOCHEMISTRY<br>COMMENT:MOVE COLLEGE                     | AUT/2009 - | AUT/9999 | 3.0                |           |       |         |         |        |   |   |             |          |   |   |   |   |
|                                      |               |                                                                                                       |            |          |                    | LAST      | UPDT: | 8/12/09 |         |        |   |   | APPROVED:   | 10/01/74 |   |   |   |   |
| ESS                                  | 460           | COSMOGENIC NUCLIDES<br>COSMOGENIC NULCIDES IN GEOMORPHOLOGY<br>COMMENT:MOVE COLLEGE                   | AUT/2009 - | AUT/9999 | 3.0                |           |       |         |         |        |   |   |             |          |   |   |   |   |
|                                      |               |                                                                                                       |            |          |                    | LAST      | UPDT: | 8/12/09 |         |        |   |   | APPROVED:   | 3/29/04  |   |   |   |   |
| ESS                                  | 461           | GEOLOGICAL TIME<br>GEOLOGICAL TIME<br>COMMENT:MOVE COLLEGE                                            | AUT/2009 - | AUT/9999 | 3.0                |           |       |         |         |        |   |   |             |          |   |   |   |   |
|                                      |               |                                                                                                       |            |          |                    | LAST      | UPDT: | 8/12/09 |         |        |   |   | APPROVED:   | 3/27/95  |   |   |   |   |
| ESS                                  | 462           | VOLCANIC PROCESSES<br>VOLCANIC PROCESSES<br>COMMENT:MOVE COLLEGE                                      | AUT/2009 - | AUT/9999 | 4.0                |           |       |         |         |        |   |   |             |          |   |   |   |   |
|                                      |               |                                                                                                       |            |          |                    | LAST      | UPDT: | 8/12/09 |         |        |   |   | APPROVED:   | 6/01/99  |   |   |   |   |
| ESS                                  | 463           | STRUCTURE TECTONICS<br>STRUCTURE AND TECTONICS<br>COMMENT:MOVE COLLEGE                                | AUT/2009 - | AUT/9999 | 5.0                |           |       |         |         |        |   |   |             |          |   |   |   |   |
|                                      |               |                                                                                                       |            |          |                    | LAST      | UPDT: | 8/12/09 |         |        |   |   | APPROVED:   | 2/25/98  |   |   |   |   |
|                                      |               |                                                                                                       |            |          |                    | FEE TYPE: | 1     | \$50.00 | BUDGET: | 069340 |   |   | REV OBJ CD: | 943081   |   |   |   |   |

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| DEPARTMENT: EARTH AND SPACE SCIENCES               |     |                                                                                              |                     |          |                 |        |   |       |   |       |   |   |   |     |   |   |   |         |       |       |     |   |   |
|----------------------------------------------------|-----|----------------------------------------------------------------------------------------------|---------------------|----------|-----------------|--------|---|-------|---|-------|---|---|---|-----|---|---|---|---------|-------|-------|-----|---|---|
| COURSE                                             |     | TITLE                                                                                        | EFFECTIVE           | QUARTERS | QUARTER CREDITS | OVER D |   | D     |   | S H F |   | V |   | E E |   | W |   | RESPONS | JOINT |       |     | O |   |
| CURRIC                                             | NUM |                                                                                              |                     |          |                 | MAX    | P | SYS   | E | HYPH  | M | R | E | L   | I | P | N |         | C     | M     | S   |   | T |
| ESS                                                | 464 | GEODYNAMICS<br>GEODYNAMICS<br>COMMENT:MOVE COLLEGE                                           | AUT/2009 - AUT/9999 | 4.0      |                 |        |   |       |   |       |   |   |   |     | Y |   |   |         |       |       |     |   |   |
| ESS                                                | 465 | SEIS & ERTHQKE ENGR<br>SEISMOLOGY AND EARTHQUAKE ENGINEERING<br>COMMENT:EMAIL PREQ CHG       | AUT/2010 - AUT/9999 | 3.0      |                 |        |   |       |   |       |   |   |   |     | Y |   |   | CEE     | 431   | CEE   | 431 |   |   |
| ESS                                                | 466 | APPLIED SEISMOLOGY<br>APPLIED SEISMOLOGY<br>COMMENT:MOVE COLLEGE                             | AUT/2009 - AUT/9999 | 2.0      |                 |        |   |       |   |       |   |   |   |     | Y |   |   |         |       |       |     |   |   |
| ESS                                                | 467 | SEIS EXPLR & STRAT<br>SEISMIC EXPLORATION AND STRATIGRAPHY<br>COMMENT:CHG TITLES, PREQ, DESC | WIN/2010 - AUT/9999 | 5.0      |                 |        |   |       |   |       |   |   |   |     | Y |   |   | ESS     | 467   | OCEAN | 412 |   |   |
| ESS                                                | 471 | INTRO TO SPACE PHYS<br>INTRODUCTION TO SPACE PHYSICS<br>COMMENT:MOVE COLLEGE                 | AUT/2009 - AUT/9999 | 3.0      |                 |        |   |       |   |       |   |   |   |     | Y |   |   |         |       |       |     |   |   |
| ESS                                                | 472 | ROCKETS & INSTRUMNT<br>ROCKETS AND INSTRUMENTATION<br>COMMENT:CHG PREQ                       | SPR/2010 - AUT/9999 | 2.0      |                 | 4.0    |   |       |   |       |   |   |   |     | Y |   |   |         |       |       |     |   |   |
| FEE TYPE:1 \$50.00 BUDGET:069340 REV OBJ CD:943081 |     |                                                                                              |                     |          |                 |        |   |       |   |       |   |   |   |     |   |   |   |         |       |       |     |   |   |
| ESS                                                | 489 | HONORS SEMINAR<br>HONORS SEMINAR<br>COMMENT:MOVE COLLEGE                                     | AUT/2009 - AUT/9999 | 3.0      |                 |        |   |       |   |       |   |   |   |     |   |   |   |         |       |       |     |   |   |
| ESS                                                | 490 | SPECIAL TOPICS<br>SPECIAL TOPICS<br>COMMENT:MOVE COLLEGE                                     | AUT/2009 - AUT/9999 | 1.0-10.0 |                 | 20.0   | Y |       |   |       |   |   |   |     | Y |   |   |         |       |       |     |   |   |
| ESS                                                | 492 | TEACHING OUTREACH<br>UNDERGRADUATE TEACHING EXPERIENCE AND OUTREACH<br>COMMENT:MOVE COLLEGE  | AUT/2009 - AUT/9999 | 1.0-02.0 |                 | 2.0    |   |       |   |       |   |   |   |     | Y |   |   |         |       |       |     |   |   |
| ESS                                                | 495 | NASA RSRCH SEMINAR<br>NASA SCIENCE AND ENGINEERING RESEARCH SEMINAR<br>COMMENT:MOVE COLLEGE  | AUT/2009 - AUT/9999 | 1.0      |                 | 4.0    |   | CR/NC |   |       |   |   |   |     | Y |   |   |         |       |       |     |   |   |
| ESS                                                | 498 | UNDERGRAD THESIS<br>UNDERGRADUATE THESIS<br>COMMENT:MOVE COLLEGE                             | AUT/2009 - AUT/9999 | 5.0      |                 |        |   |       |   |       |   |   |   |     | Y |   |   |         |       |       |     |   |   |

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| DEPARTMENT: EARTH AND SPACE SCIENCES |     |                                                                                             |           |            |                 |           |       |          |         |        |           |         |     |        |   |   |   |   |   |   |         |         |   |   |   |   |  |  |  |
|--------------------------------------|-----|---------------------------------------------------------------------------------------------|-----------|------------|-----------------|-----------|-------|----------|---------|--------|-----------|---------|-----|--------|---|---|---|---|---|---|---------|---------|---|---|---|---|--|--|--|
| CURRIC                               | NUM | TITLE                                                                                       | EFFECTIVE | QUARTERS   | QUARTER CREDITS | OVER D    |       | GRD      | D       | S H F  |           | V       | E E |        | W | R | O | M | I | T |         |         |   |   |   |   |  |  |  |
|                                      |     |                                                                                             |           |            |                 | -ALL      | U     |          |         | U      | N         |         | E   | F      |   |   |   |   |   |   | L       | I       | E | C | Q | T |  |  |  |
|                                      |     |                                                                                             |           |            |                 | MAX       | P     | SYS      | D       | HYPH   | M         | R       | E   | A      | S | W | T | P | R | G | RESPONS | JOINT   |   |   |   |   |  |  |  |
|                                      |     |                                                                                             |           |            |                 |           |       |          |         |        |           |         |     |        |   |   |   |   |   |   | COURSE  | COURSES |   |   |   |   |  |  |  |
| ESS                                  | 499 | UNDERGRAD RESEARCH<br>UNDERGRADUATE RESEARCH<br>COMMENT:MOVE COLLEGE                        | AUT/2009  | - AUT/9999 | 0.0             | 15.0      | Y     |          |         |        |           |         |     |        |   |   |   |   |   |   |         |         |   |   |   |   |  |  |  |
|                                      |     |                                                                                             |           |            |                 | LAST      | UPDT: | 8/12/09  |         |        | APPROVED: | 2/01/87 |     |        |   |   |   |   |   |   |         |         |   |   |   |   |  |  |  |
| ESS                                  | 501 | GEOCHEMICAL SYSTEMS<br>GEOCHEMICAL STYSTEMS<br>COMMENT:MOVE COLLEGE                         | AUT/2009  | - AUT/9999 | 3.0             |           |       |          |         |        |           |         |     |        |   |   |   |   |   |   |         |         |   |   |   |   |  |  |  |
|                                      |     |                                                                                             |           |            |                 | LAST      | UPDT: | 8/12/09  |         |        | APPROVED: | 6/13/06 |     |        |   |   |   |   |   |   |         |         |   |   |   |   |  |  |  |
| ESS                                  | 502 | THE SOLID EARTH<br>THE SOLID EARTH<br>COMMENT:MOVE COLLEGE                                  | AUT/2009  | - AUT/9999 | 3.0             |           |       |          |         |        |           |         |     |        |   |   |   |   |   |   |         |         |   |   |   |   |  |  |  |
|                                      |     |                                                                                             |           |            |                 | LAST      | UPDT: | 8/12/09  |         |        | APPROVED: | 6/13/06 |     |        |   |   |   |   |   |   |         |         |   |   |   |   |  |  |  |
| ESS                                  | 503 | SOLAR TERRESTR PHYS<br>SOLAR TERRESTRIAL PHYSICS<br>COMMENT:MOVE COLLEGE                    | AUT/2009  | - AUT/9999 | 3.0             |           |       |          |         |        |           |         |     |        |   |   |   |   |   |   |         |         |   |   |   |   |  |  |  |
|                                      |     |                                                                                             |           |            |                 | LAST      | UPDT: | 8/12/09  |         |        | APPROVED: | 8/08/06 |     |        |   |   |   |   |   |   |         |         |   |   |   |   |  |  |  |
| ESS                                  | 504 | EARTH SURFACE<br>THE EARTH SURFACE: LITHOSPHERIC AND SURFACE PROCES<br>COMMENT:MOVE COLLEGE | AUT/2009  | - AUT/9999 | 3.0             |           |       |          |         |        |           |         | Y   |        |   |   |   |   |   |   |         |         |   |   |   |   |  |  |  |
|                                      |     |                                                                                             |           |            |                 | LAST      | UPDT: | 8/12/09  |         |        | APPROVED: | 6/13/06 |     |        |   |   |   |   |   |   |         |         |   |   |   |   |  |  |  |
|                                      |     |                                                                                             |           |            |                 | FEE TYPE: | 1     | \$50.00  | BUDGET: | 069340 | REV       | OBJ     | CD: | 943081 |   |   |   |   |   |   |         |         |   |   |   |   |  |  |  |
| ESS                                  | 508 | GREAT GEOL ISSUES<br>GREAT GEOLOGICAL ISSUES<br>COMMENT:MOVE COLLEGE                        | AUT/2009  | - AUT/9999 | 3.0             |           |       |          |         |        |           |         |     |        |   |   |   |   |   |   |         |         |   |   |   |   |  |  |  |
|                                      |     |                                                                                             |           |            |                 | LAST      | UPDT: | 8/12/09  |         |        | APPROVED: | 3/29/06 |     |        |   |   |   |   |   |   |         |         |   |   |   |   |  |  |  |
| ESS                                  | 511 | CONTINUUM MECHANICS<br>GEOPHYSICAL CONTINUUM MECHANICS<br>COMMENT:CHG CREDITS               | AUT/2010  | - AUT/9999 | 5.0             |           |       |          |         |        |           |         |     |        |   |   |   |   |   |   |         |         |   |   |   |   |  |  |  |
|                                      |     |                                                                                             |           |            |                 | LAST      | UPDT: | 3/15/10  |         |        | APPROVED: | 1/24/95 |     |        |   |   |   |   |   |   |         |         |   |   |   |   |  |  |  |
| ESS                                  | 512 | SEISMOLOGY<br>SEISMOLOGY<br>COMMENT:MOVE COLLEGE                                            | AUT/2009  | - SUM/2011 | 3.0             |           |       |          |         |        |           |         |     |        |   |   |   |   |   |   |         |         |   |   |   |   |  |  |  |
|                                      |     |                                                                                             |           |            |                 | LAST      | UPDT: | 12/20/10 |         |        | APPROVED: | 1/24/95 |     |        |   |   |   |   |   |   |         |         |   |   |   |   |  |  |  |
| ESS                                  | 512 | INTRO SEISMOLOGY<br>INTRODUCTION TO SEISMOLOGY<br>COMMENT:CHG TITLES, DESC, PREQ            | AUT/2011  | - AUT/9999 | 3.0             |           |       |          |         |        |           |         |     |        |   |   |   |   |   |   |         |         |   |   |   |   |  |  |  |
|                                      |     |                                                                                             |           |            |                 | LAST      | UPDT: | 12/20/10 |         |        | APPROVED: | 1/24/95 |     |        |   |   |   |   |   |   |         |         |   |   |   |   |  |  |  |
| ESS                                  | 513 | THE EARTH<br>GEOPHYSICS: THE EARTH<br>COMMENT:MOVE COLLEGE                                  | AUT/2009  | - AUT/9999 | 3.0             |           |       |          |         |        |           |         |     |        |   |   |   |   |   |   |         |         |   |   |   |   |  |  |  |
|                                      |     |                                                                                             |           |            |                 | LAST      | UPDT: | 8/12/09  |         |        | APPROVED: | 1/24/95 |     |        |   |   |   |   |   |   |         |         |   |   |   |   |  |  |  |
| ESS                                  | 514 | FLUIDS<br>GEOPHYSICS: FLUIDS<br>COMMENT:MOVE COLLEGE                                        | AUT/2009  | - AUT/9999 | 3.0             |           |       |          |         |        |           |         |     |        |   |   |   |   |   |   |         |         |   |   |   |   |  |  |  |
|                                      |     |                                                                                             |           |            |                 | LAST      | UPDT: | 8/12/09  |         |        | APPROVED: | 1/24/95 |     |        |   |   |   |   |   |   |         |         |   |   |   |   |  |  |  |

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TIME: 20:10:27

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REPORT: SR21010-R-01 I  
PAGE: 720

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| COURSE<br>CURRIC NUM | TITLE                                                                                      | EFFECTIVE  | QUARTERS | QUARTER<br>CREDITS | OVER D<br>-ALL U<br>MAX P | GRD<br>SYS | D<br>E<br>D HYPH | S H F<br>U N E<br>M R E | V<br>L I<br>P & N<br>A S W | E E<br>L C M<br>T P R | W<br>R<br>G | RESPONS<br>COURSE | JOINT<br>COURSES | O<br>M<br>I<br>T |
|----------------------|--------------------------------------------------------------------------------------------|------------|----------|--------------------|---------------------------|------------|------------------|-------------------------|----------------------------|-----------------------|-------------|-------------------|------------------|------------------|
| ESS 532              | FORMATION SNOW & ICE<br>FORMATION OF SNOW AND ICE MASSES<br>COMMENT:MOVE COLLEGE           | AUT/2009 - | AUT/9999 | 3.0                | LAST UPDT: 8/12/09        |            |                  | APPROVED: 11/01/81      |                            |                       |             | ESS 532           | ATM S 511        | .                |
| ESS 533              | SNOW & ICE DYNAMICS<br>DYNAMICS OF SNOW AND ICE MASSES<br>COMMENT:MOVE COLLEGE             | AUT/2009 - | AUT/9999 | 3.0                | LAST UPDT: 8/12/09        |            |                  | APPROVED: 11/01/81      |                            |                       |             | ESS 533           | ATM S 512        | .                |
| ESS 534              | STRCTL GLACIOLOGY<br>STRUCTURAL GLACIOLOGY<br>COMMENT:MOVE COLLEGE                         | AUT/2009 - | AUT/9999 | 3.0                | LAST UPDT: 8/12/09        |            |                  | APPROVED: 11/01/81      |                            |                       |             | ESS 534           | ATM S 513        | .                |
| ESS 535              | ICE AND CLIMATE<br>ICE AND CLIMATE<br>COMMENT:MOVE COLLEGE                                 | AUT/2009 - | AUT/9999 | 3.0                | LAST UPDT: 8/12/09        |            |                  | APPROVED: 12/01/83      |                            |                       |             | ESS 535           | ATM S 514        | .                |
| ESS 537              | ADVANCED MINERALOGY<br>ADVANCED MINERALOGY<br>COMMENT:MOVE COLLEGE                         | AUT/2009 - | AUT/9999 | 3.0                | LAST UPDT: 8/12/09        |            |                  | APPROVED: 3/01/90       |                            |                       |             | ESS 537           | MSE 518          | .                |
| ESS 538              | PETROGEN IGN ROCKS<br>PETROGENESIS OF IGNEOUS ROCKS<br>COMMENT:MOVE COLLEGE                | AUT/2009 - | AUT/9999 | 3.0                | LAST UPDT: 8/12/09        |            |                  | APPROVED: 12/01/81      |                            |                       |             |                   |                  | .                |
| ESS 540              | ADV IGNEOUS PETROL<br>ADVANCED IGNEOUS PETROLOGY<br>COMMENT:MOVE COLLEGE                   | AUT/2009 - | AUT/9999 | 4.0                | LAST UPDT: 8/12/09        |            |                  | APPROVED: 3/01/71       |                            |                       |             |                   |                  | .                |
| ESS 545              | ECON GEOL SED ROCKS<br>ECONOMIC GEOLOGY OF SEDIMENTARY ROCKS<br>COMMENT:MOVE COLLEGE       | AUT/2009 - | AUT/9999 | 5.0                | LAST UPDT: 8/12/09        |            |                  |                         |                            |                       |             |                   |                  | .                |
| ESS 548              | GEODYNAMICS<br>GEODYNAMICS<br>COMMENT:MOVE COLLEGE                                         | AUT/2009 - | AUT/9999 | 3.0                | LAST UPDT: 8/12/09        |            |                  | APPROVED: 2/28/94       |                            |                       |             |                   |                  | .                |
| ESS 549              | GEOMAGNETISM<br>GEOMAGNETISM<br>COMMENT:MOVE COLLEGE                                       | AUT/2009 - | AUT/9999 | 3.0                | LAST UPDT: 8/12/09        |            |                  | APPROVED: 2/28/94       |                            |                       |             |                   |                  | .                |
| ESS 550              | EMAG & POTEN FIELDS<br>ELECTROMAGNETIC AND POTENTIAL FIELD METHODS<br>COMMENT:MOVE COLLEGE | AUT/2009 - | AUT/9999 | 3.0                | LAST UPDT: 8/12/09        |            |                  | APPROVED: 2/28/94       |                            |                       |             |                   |                  | .                |

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DEPARTMENT: EARTH AND SPACE SCIENCES

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DATE: 01-18-2011  
TIME: 20:10:27

UNIVERSITY OF WASHINGTON STUDENT RECORDS SYSTEM  
DETAILED CURRICULUM REPORT  
Seattle CAMPUS

REPORT: SR21010-R-01 I  
PAGE: 722

COLLEGE : D - Environment  
DEPARTMENT: EARTH AND SPACE SCIENCES

| COURSE<br>CURRIC NUM | TITLE                                                                                     | EFFECTIVE  | QUARTERS | QUARTER<br>CREDITS | OVER D<br>-ALL U<br>MAX P | GRD<br>SYS | D<br>E<br>D HYPH  | S H F<br>U N E<br>M R E | V<br>L I<br>P & N<br>A S W | E E<br>L C<br>M S<br>T P | W<br>R<br>Q<br>T<br>N<br>G | RESPONS<br>COURSE | JOINT<br>COURSES | O<br>M<br>I<br>T |
|----------------------|-------------------------------------------------------------------------------------------|------------|----------|--------------------|---------------------------|------------|-------------------|-------------------------|----------------------------|--------------------------|----------------------------|-------------------|------------------|------------------|
| ESS 564              | THEOR SEISMOLOGY II<br>THEORETICAL SEISMOLOGY II<br>COMMENT:MOVE COLLEGE                  | AUT/2009 - | AUT/9999 | 3.0                | .                         | .          | .                 | .                       | .                          | .                        | .                          | .                 | .                | .                |
|                      |                                                                                           |            |          |                    | LAST UPDT: 8/12/09        |            |                   |                         |                            |                          |                            |                   |                  |                  |
| ESS 565              | LOW-FREQ SEISMOLOGY<br>LOW-FREQUENCY SEISMOLOGY<br>COMMENT:MOVE COLLEGE                   | AUT/2009 - | AUT/9999 | 3.0                | .                         | .          | .                 | .                       | .                          | .                        | .                          | .                 | .                | .                |
|                      |                                                                                           |            |          |                    | LAST UPDT: 8/12/09        |            |                   |                         |                            |                          |                            |                   |                  |                  |
| ESS 568              | OCEAN LITHOSPHERE<br>PHYSICS OF THE OCEANIC LITHOSPHERE<br>COMMENT:MOVE JT COLLEGE        | SPR/2010 - | AUT/9999 | 3.0                | .                         | .          | .                 | .                       | .                          | .                        | .                          | OCEAN 545         | OCEAN 545        | .                |
|                      |                                                                                           |            |          |                    | LAST UPDT: 2/10/10        |            |                   |                         |                            |                          |                            |                   |                  |                  |
| ESS 573              | CLOUD PHYS & DYNAM<br>CLOUD MICROPHYSICS AND DYNAMICS<br>COMMENT:MOVE COLLEGE             | AUT/2009 - | AUT/9999 | 3.0                | .                         | .          | .                 | .                       | .                          | .                        | .                          | ATM S 535         | ATM S 535        | .                |
|                      |                                                                                           |            |          |                    | LAST UPDT: 8/12/09        |            |                   |                         |                            |                          |                            |                   |                  |                  |
| ESS 574              | ATMOS ELEC DYNAMICS<br>ATMOSPHERIC ELECTRICAL DYNAMICS<br>COMMENT:MOVE COLLEGE            | AUT/2009 - | AUT/9999 | 3.0                | .                         | .          | .                 | .                       | .                          | .                        | .                          | .                 | .                | .                |
|                      |                                                                                           |            |          |                    | LAST UPDT: 8/12/09        |            |                   |                         |                            |                          |                            |                   |                  |                  |
| ESS 575              | ROCKETS & INSTRUMNT<br>ADVANCED ROCKETS AND INSTRUMENTATION<br>COMMENT:MOVE COLLEGE       | AUT/2009 - | AUT/9999 | 2.0                | 4.0                       | .          | .                 | .                       | Y                          | .                        | .                          | .                 | .                | .                |
|                      |                                                                                           |            |          |                    | LAST UPDT: 8/12/09        |            | APPROVED: 2/17/09 |                         |                            |                          |                            |                   |                  |                  |
|                      |                                                                                           |            |          |                    | FEE TYPE:1 \$50.00        |            | BUDGET:069340     |                         | REV OBJ CD:943081          |                          |                            |                   |                  |                  |
| ESS 576              | SPACE AND LAB PHYS<br>SPACE AND LABORATORY PLASMA PHYSICS<br>COMMENT:MOVE COLLEGE         | AUT/2009 - | AUT/9999 | 3.0                | .                         | .          | .                 | .                       | .                          | .                        | .                          | ESS 576 A A       | 556              | .                |
|                      |                                                                                           |            |          |                    | LAST UPDT: 8/12/09        |            |                   |                         |                            |                          |                            |                   |                  |                  |
| ESS 577              | ADV SPACE PLSM PHYS<br>ADVANCED SPACE PLASMA PHYSICS<br>COMMENT:MOVE COLLEGE              | AUT/2009 - | AUT/9999 | 3.0                | .                         | .          | .                 | .                       | .                          | .                        | .                          | .                 | .                | .                |
|                      |                                                                                           |            |          |                    | LAST UPDT: 8/12/09        |            |                   |                         |                            |                          |                            |                   |                  |                  |
| ESS 578              | KINETIC PLASMAS<br>KINETIC THEORY AND SIMULATION OF SPACE PLASMAS<br>COMMENT:MOVE COLLEGE | AUT/2009 - | AUT/9999 | 3.0                | .                         | .          | .                 | .                       | .                          | .                        | .                          | .                 | .                | .                |
|                      |                                                                                           |            |          |                    | LAST UPDT: 8/12/09        |            |                   |                         |                            |                          |                            |                   |                  |                  |
| ESS 579              | COMP PLAS PHYS<br>COMPUTATIONAL PLASMA PHYSICS<br>COMMENT:MOVE COLLEGE                    | AUT/2009 - | AUT/9999 | 3.0                | .                         | .          | .                 | .                       | .                          | .                        | .                          | .                 | .                | .                |
|                      |                                                                                           |            |          |                    | LAST UPDT: 8/12/09        |            | APPROVED: 5/24/93 |                         |                            |                          |                            |                   |                  |                  |
| ESS 581              | PLANET ATMOS<br>PLANETARY ATMOSPHERES<br>COMMENT:MOVE COLLEGE                             | AUT/2009 - | AUT/9999 | 3.0                | .                         | .          | .                 | .                       | .                          | .                        | .                          | ASTR 555          | ASTR 555         | .                |
|                      |                                                                                           |            |          |                    | LAST UPDT: 8/12/09        |            | APPROVED: 9/01/77 |                         |                            |                          | ATM S 555                  |                   |                  |                  |

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DEPARTMENT: EARTH AND SPACE SCIENCES

| DEPARTMENT: EARTH AND SPACE SCIENCES |                                                                                              |                     |                 |               |       |         |          |                   |  |  | V L P A | E L N S W T | R C M P R G |                |                            |   | O M I T |
|--------------------------------------|----------------------------------------------------------------------------------------------|---------------------|-----------------|---------------|-------|---------|----------|-------------------|--|--|---------|-------------|-------------|----------------|----------------------------|---|---------|
| COURSE CURRIC NUM                    | TITLE                                                                                        | EFFECTIVE QUARTERS  | QUARTER CREDITS | OVER -ALL MAX | D U P | GRD SYS | D E HYPH | S H F U N E M R E |  |  | L I & S | E L N S W T | R C M P R G | RESPONS COURSE | JOINT COURSES              |   |         |
| ESS 583                              | SOLAR SYSTEM ORIGIN<br>ORIGIN OF THE SOLAR SYSTEM<br>COMMENT:MOVE COLLEGE                    | AUT/2009 - AUT/9999 | 3.0             |               |       |         |          |                   |  |  |         |             |             | ASTR 557       | ASTR 557                   | . |         |
| ESS 585                              | PNW CLIMATE IMPACTS<br>CLIMATE IMPACTS ON THE PACIFIC NORTHWEST<br>COMMENT:MOVE COLLEGE      | AUT/2009 - AUT/9999 | 4.0             |               |       |         |          |                   |  |  |         |             |             | ATM S 585      | ATM S 585<br>ENVIR SMA 585 | . |         |
| ESS 586                              | CLIMATE SEMINAR<br>CURRENT RESEARCH IN CLIMATE CHANGE<br>COMMENT:MOVE JT COLLEGE             | SPR/2010 - AUT/9999 | 2.0             | 20.0          |       | CR/NC   |          |                   |  |  |         |             |             | ESS 586        | ATM S 586<br>OCEAN 586     | . |         |
| ESS 587                              | CLIMATE DYNAMICS<br>CLIMATE DYNAMICS<br>COMMENT:MOVE JT COLLEGE                              | SPR/2010 - AUT/9999 | 3.0             |               |       |         |          |                   |  |  |         |             |             | ESS 587        | ATM S 587<br>OCEAN 587     | . |         |
| ESS 588                              | CARBON AND CLIMATE<br>THE GLOBAL CARBON CYCLE AND CLIMATE<br>COMMENT:MOVE JT COLLEGE         | SPR/2010 - AUT/9999 | 3.0             |               |       |         |          |                   |  |  |         |             |             | OCEAN 588      | ATM S 588<br>OCEAN 588     | . |         |
| ESS 589                              | PALEOCLIMATOLOGY<br>PALEOCLIMATOLOGY: DATA, MODELING AND THEORY<br>COMMENT:MOVE JT COLLEGE   | SPR/2010 - AUT/9999 | 3.0             |               |       |         |          |                   |  |  |         |             |             | ESS 589        | ATM S 589<br>OCEAN 589     | . |         |
| ESS 590                              | SPECIAL TOPICS<br>SPECIAL TOPICS<br>COMMENT:MOVE COLLEGE                                     | AUT/2009 - AUT/9999 | 2.0-10.0        | 20.0          | Y     |         |          |                   |  |  |         |             |             |                |                            |   | .       |
| ESS 593                              | CLIMATE SEMINAR<br>CLIMATE SCIENCE SEMINAR<br>COMMENT:MOVE JT COLLEGE                        | SPR/2010 - AUT/9999 | 1.0             |               |       | CR/NC   |          |                   |  |  |         |             |             | ATM S 593      | ATM S 593<br>OCEAN 593     | . |         |
| ESS 594                              | INTRO ESS RSRCH<br>INTRODUCTION TO EARTH AND SPACE SCIENCES RESEARCH<br>COMMENT:MOVE COLLEGE | AUT/2009 - AUT/9999 | 1.0-02.0        | 4.0           | Y     |         |          |                   |  |  |         |             |             |                |                            |   | .       |
| ESS 595                              | ESS RSRCH METHODS<br>EARTH AND SPACE SCIENCE RESEARCH METHODS<br>COMMENT:MOVE COLLEGE        | AUT/2009 - AUT/9999 | 2.0             | 30.0          | Y     |         |          |                   |  |  |         |             |             |                |                            |   | .       |
| ESS 596                              | CLIMATE CAPSTONE<br>CLIMATE SCIENCE CAPSTONE PROJECT<br>COMMENT:MOVE JT COLLEGE              | SPR/2010 - AUT/9999 | 1.0-05.0        | 5.0           |       |         |          |                   |  |  |         |             |             | ATM S 596      | ATM S 596<br>OCEAN 596     | . |         |

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| DEPARTMENT: EARTH AND SPACE SCIENCES |                                                                                |                     |                 |               |         |         |          |                   |           | V       | L         | E       | E              | W             |       | O |
|--------------------------------------|--------------------------------------------------------------------------------|---------------------|-----------------|---------------|---------|---------|----------|-------------------|-----------|---------|-----------|---------|----------------|---------------|-------|---|
| COURSE<br>CURRIC NUM                 | TITLE                                                                          | EFFECTIVE QUARTERS  | QUARTER CREDITS | OVER -ALL MAX | D U P   | GRD SYS | D E HYPH | S H F U N E M R E | P L I & A | N C W T | E C M S P | Q T R G | RESPONS COURSE | JOINT COURSES | M I T |   |
| ESS 599                              | SEMINAR SEMINAR<br>COMMENT:MOVE COLLEGE                                        | AUT/2009 - AUT/9999 | 1.0             | 15.0 Y        | CR/NC . |         |          | . . . .           | . . . .   | . . . . | . . . .   | . . . . |                |               | .     |   |
|                                      |                                                                                |                     |                 | LAST UPDT:    | 8/12/09 |         |          | APPROVED:         | 2/01/77   |         |           |         |                |               |       |   |
| ESS 600                              | INDEPN DNT STDY/R SCH<br>INDEPENDENT STUDY OR RESEARCH<br>COMMENT:MOVE COLLEGE | AUT/2009 - AUT/9999 | 0.0             | 999.0 .       | CR/NC . | 11      |          | . . . .           | . . . .   | . . . . | . . . .   | . . . . |                |               | .     |   |
|                                      |                                                                                |                     |                 | LAST UPDT:    | 4/19/10 |         |          | APPROVED:         | 2/01/78   |         |           |         |                |               |       |   |
| ESS 700                              | MASTERS THESIS<br>MASTERS THESIS<br>COMMENT:MOVE COLLEGE                       | AUT/2009 - AUT/9999 | 0.0             | 999.0 .       |         | 11      |          | . . . .           | . . . .   | . . . . | . . . .   | . . . . |                |               | .     |   |
|                                      |                                                                                |                     |                 | LAST UPDT:    | 4/19/10 |         |          | APPROVED:         | 1/01/70   |         |           |         |                |               |       |   |
| ESS 800                              | DOCTORAL DISSERTATN<br>DOCTORAL DISSERTATION<br>COMMENT:MOVE COLLEGE           | AUT/2009 - AUT/9999 | 0.0             | 999.0 .       |         | 11      |          | . . . .           | . . . .   | . . . . | . . . .   | . . . . |                |               | .     |   |
|                                      |                                                                                |                     |                 | LAST UPDT:    | 4/19/10 |         |          | APPROVED:         | 1/01/70   |         |           |         |                |               |       |   |