

DATE: 07-07-2014  
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UNIVERSITY OF WASHINGTON STUDENT RECORDS SYSTEM  
DETAILED CURRICULUM REPORT  
Seattle CAMPUS

REPORT: SR21010-R-01 K  
PAGE: 734

COLLEGE : C - Arts & Sciences  
DEPARTMENT: PHYSICS

| 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 C M<br>T P R | W<br>R<br>S N<br>G | RESPONS<br>COURSE | JOINT<br>COURSES | O<br>M<br>I<br>T |
|----------------------|---------------------------------------------------------|------------|----------|--------------------|--------------------------------------|-----------------|----------------|-------------------------|----------------------------|-----------------------|--------------------|-------------------|------------------|------------------|
| PHYS 101             | PHYS SCI INQUIRY I<br>PHYSICAL SCIENCE BY INQUIRY I     | AUT/1996 - | AUT/9999 | 5.0                | .                                    | .               | 12             | .                       | .                          | Y                     | .                  | Y                 | Y                | .                |
|                      |                                                         |            |          |                    | LAST UPDT: 4/30/14 APPROVED: 6/01/77 |                 |                |                         |                            |                       |                    |                   |                  |                  |
|                      |                                                         |            |          |                    | COMMENT:CHANGE PREREQ, DESCRIPTION   |                 |                |                         |                            |                       |                    |                   |                  |                  |
| PHYS 102             | PHY SCI INQUIRY I<br>PHYSICAL SCIENCE BY INQUIRY I      | AUT/1996 - | AUT/9999 | 5.0                | .                                    | .               | 22             | .                       | .                          | Y                     | .                  | Y                 | Y                | .                |
|                      |                                                         |            |          |                    | LAST UPDT: 7/15/97 APPROVED: 6/01/77 |                 |                |                         |                            |                       |                    |                   |                  |                  |
|                      |                                                         |            |          |                    | COMMENT:CHANGE PREREQ, DESCRIP       |                 |                |                         |                            |                       |                    |                   |                  |                  |
| PHYS 103             | PHY SCI INQUIRY I<br>PHYSICAL SCIENCE BY INQUIRY I      | AUT/1996 - | AUT/9999 | 5.0                | .                                    | .               | .              | .                       | .                          | Y                     | .                  | .                 | Y                | .                |
|                      |                                                         |            |          |                    | LAST UPDT: 7/15/97 APPROVED: 6/01/77 |                 |                |                         |                            |                       |                    |                   |                  |                  |
|                      |                                                         |            |          |                    | COMMENT:CHANGE PREREQ, DESCRIP       |                 |                |                         |                            |                       |                    |                   |                  |                  |
| PHYS 104             | GROUP INQUIRY I<br>Facilitated Group Inquiry I          | AUT/2009 - | AUT/9999 | 2.0                | .                                    | .               | .              | .                       | .                          | Y                     | .                  | .                 | .                | .                |
|                      |                                                         |            |          |                    | LAST UPDT:12/17/08 APPROVED:12/16/08 |                 |                |                         |                            |                       |                    |                   |                  |                  |
| PHYS 105             | GROUP INQUIRY II<br>Facilitated Group Inquiry II        | WIN/2010 - | AUT/9999 | 2.0                | .                                    | .               | .              | .                       | .                          | Y                     | .                  | .                 | .                | .                |
|                      |                                                         |            |          |                    | LAST UPDT:12/17/08 APPROVED:12/16/08 |                 |                |                         |                            |                       |                    |                   |                  |                  |
| PHYS 106             | GROUP INQUIRY III<br>Facilitated Group Inquiry III      | SPR/2010 - | AUT/9999 | 2.0                | .                                    | .               | .              | .                       | .                          | Y                     | .                  | .                 | .                | .                |
|                      |                                                         |            |          |                    | LAST UPDT:12/17/08 APPROVED:12/16/08 |                 |                |                         |                            |                       |                    |                   |                  |                  |
| PHYS 107             | PHYSICS CONCEPTS<br>Physics Concepts for Non-Scientists | SPR/2009 - | AUT/9999 | 5.0                | .                                    | .               | .              | .                       | .                          | Y                     | .                  | .                 | .                | .                |
|                      |                                                         |            |          |                    | LAST UPDT:12/17/08 APPROVED:12/16/08 |                 |                |                         |                            |                       |                    |                   |                  |                  |
| PHYS 110             | LIBERAL ARTS PHYS<br>Liberal Arts Physics               | SUM/1978 - | AUT/9999 | 5.0                | .                                    | .               | .              | .                       | .                          | Y                     | .                  | Y                 | .                | .                |
|                      |                                                         |            |          |                    | LAST UPDT: 6/14/93 APPROVED: 9/01/77 |                 |                |                         |                            |                       |                    |                   |                  |                  |
| PHYS 111             | LIBERAL ARTS PHYS<br>LIBERAL ARTS PHYSICS               | WIN/1978 - | AUT/9999 | 5.0                | .                                    | .               | .              | .                       | .                          | Y                     | .                  | Y                 | .                | .                |
|                      |                                                         |            |          |                    | LAST UPDT: 4/05/96 APPROVED: 9/01/77 |                 |                |                         |                            |                       |                    |                   |                  |                  |
| PHYS 112             | LIBERAL ARTS PHYS<br>LIBERAL ARTS PHYSICS               | SPR/1978 - | AUT/9999 | 5.0                | .                                    | .               | .              | .                       | .                          | Y                     | .                  | Y                 | .                | .                |
|                      |                                                         |            |          |                    | LAST UPDT: 4/05/96 APPROVED: 9/01/77 |                 |                |                         |                            |                       |                    |                   |                  |                  |

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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<br>M S<br>T P | W<br>R<br>Q T<br>P R G | RESPONS<br>COURSE | JOINT<br>COURSES | O<br>M<br>I<br>T |
|-----------------------------------------------------------------------------|---------------------------------------------------|------------|----------|--------------------|---------------------------|------------|------------------|-------------------------|----------------------------|--------------------------|------------------------|-------------------|------------------|------------------|
| PHYS 114                                                                    | GENERAL PHYSICS<br>General Physics                | AUT/1966 - | AUT/9999 | 4.0                | .                         | .          | .                | .                       | .                          | Y                        | Y                      | .                 | .                | .                |
| LAST UPDT: 3/10/95                                                          |                                                   |            |          |                    |                           |            |                  |                         |                            |                          |                        |                   |                  |                  |
| PHYS 115                                                                    | GENERAL PHYSICS<br>General Physics                | AUT/1998 - | AUT/9999 | 4.0                | .                         | .          | .                | .                       | .                          | Y                        | .                      | .                 | .                | .                |
| LAST UPDT: 8/20/98                                                          |                                                   |            |          |                    |                           |            |                  |                         |                            |                          |                        |                   |                  |                  |
| PHYS 116                                                                    | GENERAL PHYSICS<br>General Physics                | AUT/1998 - | AUT/9999 | 4.0                | .                         | .          | .                | .                       | .                          | Y                        | .                      | .                 | .                | .                |
| LAST UPDT: 8/20/98                                                          |                                                   |            |          |                    |                           |            |                  |                         |                            |                          |                        |                   |                  |                  |
| PHYS 117                                                                    | GENERAL PHYSICS LAB<br>General Physics Laboratory | AUT/1966 - | AUT/9999 | 1.0                | .                         | CR/NC      | .                | .                       | Y                          | .                        | Y                      | .                 | .                | .                |
| LAST UPDT: 8/14/12                                                          |                                                   |            |          |                    |                           |            |                  |                         |                            |                          |                        |                   |                  |                  |
| FEE TYPE:1 \$50.00 BUDGET:069372 REV OBJ CD:943081                          |                                                   |            |          |                    |                           |            |                  |                         |                            |                          |                        |                   |                  |                  |
| PHYS 118                                                                    | GENERAL PHYSICS LAB<br>General Physics Laboratory | WIN/1967 - | AUT/9999 | 1.0                | .                         | CR/NC      | .                | .                       | Y                          | .                        | Y                      | .                 | .                | .                |
| LAST UPDT: 8/10/12                                                          |                                                   |            |          |                    |                           |            |                  |                         |                            |                          |                        |                   |                  |                  |
| FEE TYPE:1 \$50.00 BUDGET:069372 REV OBJ CD:943081                          |                                                   |            |          |                    |                           |            |                  |                         |                            |                          |                        |                   |                  |                  |
| PHYS 119                                                                    | GENERAL PHYSICS LAB<br>General Physics Laboratory | SPR/1967 - | AUT/9999 | 1.0                | .                         | CR/NC      | .                | .                       | Y                          | .                        | Y                      | .                 | .                | .                |
| LAST UPDT: 8/10/12                                                          |                                                   |            |          |                    |                           |            |                  |                         |                            |                          |                        |                   |                  |                  |
| FEE TYPE:1 \$50.00 BUDGET:069372 REV OBJ CD:943081                          |                                                   |            |          |                    |                           |            |                  |                         |                            |                          |                        |                   |                  |                  |
| PHYS 121                                                                    | MECHANICS<br>Mechanics                            | AUT/2011 - | AUT/9999 | 5.0                | .                         | .          | .                | .                       | Y                          | .                        | Y                      | .                 | Y                | .                |
| LAST UPDT: 8/10/12 APPROVED: 1/24/94                                        |                                                   |            |          |                    |                           |            |                  |                         |                            |                          |                        |                   |                  |                  |
| COMMENT:EMAIL PREQ CHG FEE TYPE:1 \$50.00 BUDGET:069372 REV OBJ CD:943081   |                                                   |            |          |                    |                           |            |                  |                         |                            |                          |                        |                   |                  |                  |
| PHYS 122                                                                    | ELECTROMAGNETISM<br>Electromagnetism              | WIN/2012 - | AUT/9999 | 5.0                | .                         | .          | .                | .                       | Y                          | .                        | Y                      | .                 | .                | .                |
| LAST UPDT: 8/10/12 APPROVED: 1/24/94                                        |                                                   |            |          |                    |                           |            |                  |                         |                            |                          |                        |                   |                  |                  |
| COMMENT:CHG TITLES, DESC FEE TYPE:1 \$50.00 BUDGET:069372 REV OBJ CD:943081 |                                                   |            |          |                    |                           |            |                  |                         |                            |                          |                        |                   |                  |                  |
| PHYS 123                                                                    | WAVES<br>Waves                                    | WIN/2012 - | AUT/9999 | 5.0                | .                         | .          | .                | .                       | Y                          | .                        | Y                      | .                 | .                | .                |
| LAST UPDT: 8/10/12 APPROVED: 1/24/94                                        |                                                   |            |          |                    |                           |            |                  |                         |                            |                          |                        |                   |                  |                  |
| COMMENT:CHG DESC FEE TYPE:1 \$50.00 BUDGET:069372 REV OBJ CD:943081         |                                                   |            |          |                    |                           |            |                  |                         |                            |                          |                        |                   |                  |                  |

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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 | W<br>Q T<br>P R G | RESPONS<br>COURSE | JOINT<br>COURSES | O<br>M<br>I<br>T     |
|------------------------------------|--------------------------------------------------|------------|----------|--------------------|--------------------------------------|-----------------|----------------|-------------------------|----------------------------|-----------------------|-------------------|-------------------|------------------|----------------------|
| PHYS 205                           | PHYSICAL SCIENCE<br>CONCEPTS OF PHYSICAL SCIENCE | WIN/1976 - | AUT/9999 | 3.0                | .                                    | .               | .              | .                       | .                          | Y                     | .                 | .                 | .                | .                    |
| COMMENT:WAS PHYS 440               |                                                  |            |          |                    | LAST UPDT: 9/06/06 APPROVED:11/20/75 |                 |                |                         |                            |                       |                   |                   |                  |                      |
| PHYS 207                           | PHYS OF MUSIC<br>The Physics of Music            | SPR/1973 - | AUT/9999 | 3.0                | .                                    | .               | .              | .                       | .                          | Y                     | .                 | .                 | .                | .                    |
|                                    |                                                  |            |          |                    | LAST UPDT: 9/06/06 APPROVED:12/07/72 |                 |                |                         |                            |                       |                   |                   |                  |                      |
| PHYS 208                           | PHYSICS OF SPORTS<br>THE PHYSICS OF SPORTS       | SPR/1991 - | AUT/9999 | 3.0                | .                                    | .               | .              | .                       | .                          | Y                     | .                 | .                 | .                | .                    |
|                                    |                                                  |            |          |                    | LAST UPDT: 6/14/93 APPROVED:12/10/90 |                 |                |                         |                            |                       |                   |                   |                  |                      |
| PHYS 210                           | PHYS BY INQUIRY I<br>Physics by Inquiry I        | AUT/2011 - | AUT/9999 | 5.0                | .                                    | .               | .              | .                       | .                          | Y                     | .                 | .                 | Y                | .                    |
| COMMENT:EMAIL PREQ CHG             |                                                  |            |          |                    | LAST UPDT: 2/18/11 APPROVED: 3/01/72 |                 |                |                         |                            |                       |                   |                   |                  |                      |
| PHYS 211                           | PHYS BY INQUIRY I<br>Physics by Inquiry I        | AUT/2009 - | AUT/9999 | 5.0                | .                                    | .               | .              | .                       | .                          | Y                     | .                 | .                 | Y                | .                    |
|                                    |                                                  |            |          |                    | LAST UPDT: 9/14/09 APPROVED: 3/01/72 |                 |                |                         |                            |                       |                   |                   |                  |                      |
| PHYS 212                           | PHYS BY INQUIRY I<br>Physics by Inquiry I        | AUT/2009 - | AUT/9999 | 5.0                | .                                    | .               | .              | .                       | .                          | Y                     | .                 | .                 | Y                | .                    |
| COMMENT:CHG DESC                   |                                                  |            |          |                    | LAST UPDT: 9/14/09 APPROVED: 3/01/72 |                 |                |                         |                            |                       |                   |                   |                  |                      |
| PHYS 214                           | LIGHT AND COLOR<br>Light and Color               | AUT/1988 - | AUT/9999 | 5.0                | .                                    | .               | .              | .                       | .                          | Y                     | .                 | Y                 | .                | .                    |
|                                    |                                                  |            |          |                    | LAST UPDT: 9/06/06 APPROVED: 6/24/82 |                 |                |                         |                            |                       |                   |                   |                  |                      |
| PHYS 215                           | A WAY OF KNOWING<br>A WAY OF KNOWING             | WIN/2003 - | AUT/9999 | 5.0                | .                                    | .               | .              | .                       | .                          | Y                     | .                 | Y                 | .                | .                    |
| COMMENT:CHANGE TITLES, DESCRIPTION |                                                  |            |          |                    | LAST UPDT:11/16/04 APPROVED:12/01/87 |                 |                |                         |                            |                       |                   |                   |                  |                      |
| PHYS 216                           | SCIENCE AND SOCIETY<br>Science and Society       | AUT/2012 - | AUT/9999 | 5.0                | .                                    | .               | .              | .                       | .                          | Y                     | Y                 | .                 | .                | PHYS 216 JSIS B216 . |
| COMMENT:CHG JT STATUS              |                                                  |            |          |                    | LAST UPDT:12/15/11 APPROVED:12/01/87 |                 |                |                         |                            |                       |                   |                   |                  |                      |

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|---------------------|-----|-----------------------------------------------------------------------------------------------------|---------------------|-----------------|--------------------------------------|---------|---------------|-------------------|---------------|---------|-------|---|---|---|--|---|
| COURSE              |     |                                                                                                     |                     |                 | OVER D                               | D       | S H F         |                   | L I           | E E     | Q T   | R |   |   |  | M |
| CURRIC              | NUM | TITLE                                                                                               | EFFECTIVE QUARTERS  | QUARTER CREDITS | -ALL U                               | GRD     | U N E         | P & N C M S N     | A S W T P R G | RESPONS | JOINT |   |   |   |  | I |
|                     |     |                                                                                                     |                     |                 | MAX                                  | SYS     | D HYPH        | M R E             |               |         |       |   |   |   |  | T |
| PHYS                | 217 | ENERGY FUTURE<br>Energy Future: The Technical and Social Barriers to Large-Scale Sustainable Energy | AUT/2012 - AUT/9999 | 5.0             | .                                    | .       | .             | .                 | . Y Y . . . . |         |       |   |   |   |  | . |
|                     |     |                                                                                                     |                     |                 | LAST UPDT: 5/16/12 APPROVED: 5/15/12 |         |               |                   |               |         |       |   |   |   |  |   |
| PHYS                | 224 | THERMAL PHYSICS<br>Thermal Physics                                                                  | WIN/2012 - AUT/9999 | 3.0             | .                                    | .       | .             | .                 | . . Y . . . . |         |       |   |   |   |  | . |
|                     |     |                                                                                                     |                     |                 | LAST UPDT: 9/19/11 APPROVED: 4/23/81 |         |               |                   |               |         |       |   |   |   |  |   |
|                     |     | COMMENT:CHG DESC                                                                                    |                     |                 |                                      |         |               |                   |               |         |       |   |   |   |  |   |
| PHYS                | 225 | INTRO MOD MECHANICS<br>Introduction to Quantum Mechanics                                            | WIN/2012 - AUT/9999 | 3.0             | .                                    | .       | .             | .                 | . . Y . . . . |         |       |   |   |   |  | . |
|                     |     |                                                                                                     |                     |                 | LAST UPDT: 9/19/11 APPROVED: 4/01/81 |         |               |                   |               |         |       |   |   |   |  |   |
|                     |     | COMMENT:CHG DESC                                                                                    |                     |                 |                                      |         |               |                   |               |         |       |   |   |   |  |   |
| PHYS                | 226 | PARTICLES&SYMMETRY<br>Particles and Symmetries                                                      | AUT/2011 - AUT/9999 | 3.0             | .                                    | .       | .             | .                 | . . Y . . . . |         |       |   |   |   |  | . |
|                     |     |                                                                                                     |                     |                 | LAST UPDT: 2/22/11 APPROVED:12/16/08 |         |               |                   |               |         |       |   |   |   |  |   |
|                     |     | COMMENT:EMAIL PREQ CHG                                                                              |                     |                 |                                      |         |               |                   |               |         |       |   |   |   |  |   |
| PHYS                | 227 | ELEM MATH PHYS<br>Elementary Mathematical Physics                                                   | AUT/2011 - AUT/9999 | 4.0             | .                                    | .       | .             | .                 | . . Y . . . . |         |       |   |   |   |  | . |
|                     |     |                                                                                                     |                     |                 | LAST UPDT: 2/22/11 APPROVED: 9/01/86 |         |               |                   |               |         |       |   |   |   |  |   |
|                     |     | COMMENT:EMAIL PREQ CHG                                                                              |                     |                 |                                      |         |               |                   |               |         |       |   |   |   |  |   |
| PHYS                | 228 | ELEM MATH PHYS<br>Elementary Mathematical Physics                                                   | AUT/2011 - AUT/9999 | 4.0             | .                                    | .       | .             | .                 | . . Y . . . . |         |       |   |   |   |  | . |
|                     |     |                                                                                                     |                     |                 | LAST UPDT: 2/22/11 APPROVED: 9/01/86 |         |               |                   |               |         |       |   |   |   |  |   |
|                     |     | COMMENT:EMAIL PREQ CHG                                                                              |                     |                 |                                      |         |               |                   |               |         |       |   |   |   |  |   |
| PHYS                | 231 | INTRO EXPERMTL PHYS<br>Introductory Experimental Physics                                            | SUM/2003 - AUT/9999 | 3.0             | .                                    | .       | .             | . Y               | . . Y . . . . |         |       |   |   |   |  | . |
|                     |     |                                                                                                     |                     |                 | LAST UPDT: 8/10/12 APPROVED: 6/28/00 |         |               |                   |               |         |       |   |   |   |  |   |
|                     |     | COMMENT:EMAIL PREPREQ CHANGE                                                                        |                     |                 | FEE TYPE:1                           | \$50.00 | BUDGET:069237 | REV OBJ CD:943081 |               |         |       |   |   |   |  |   |
| PHYS                | 232 | COMPUTATIONAL PHYS<br>Introduction to Computational Physics                                         | SPR/2001 - AUT/9999 | 3.0             | .                                    | .       | .             | . Y               | . . Y . . . . |         |       |   |   |   |  | . |
|                     |     |                                                                                                     |                     |                 | LAST UPDT: 8/10/12 APPROVED: 2/21/01 |         |               |                   |               |         |       |   |   |   |  |   |
|                     |     |                                                                                                     |                     |                 | FEE TYPE:1                           | \$50.00 | BUDGET:069372 | REV OBJ CD:943081 |               |         |       |   |   |   |  |   |
| PHYS                | 248 | INTRO SEL TOPICS<br>Introductory Selected Topics                                                    | WIN/2008 - AUT/9999 | 1.0-05.0        | 15.0                                 | .       | .             | .                 | . . Y . . . . |         |       |   |   |   |  | . |
|                     |     |                                                                                                     |                     |                 | LAST UPDT: 8/27/07 APPROVED: 8/23/07 |         |               |                   |               |         |       |   |   |   |  |   |

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|-----------------------------|---------------------------------------------------------------------|------------|----------|--------------------|--------------------------------------|-------------|------------|----------------|------------------|------------------|------------------|------------------|------------------|------------------|-------------|-------------------|------------------|------------------|
| PHYS 294                    | PHYSICS FRONTIERS<br>Introduction to Research: Frontiers of Physics | WIN/2009 - | AUT/9999 | 1.0                | .                                    | .           | .          | .              | .                | .                | .                | Y                | .                | .                | .           | .                 | .                | .                |
|                             |                                                                     |            |          |                    | LAST UPDT: 1/12/09 APPROVED:12/16/08 |             |            |                |                  |                  |                  |                  |                  |                  |             |                   |                  |                  |
| PHYS 315                    | APP MOD PHYS<br>APPLICATIONS OF MODERN PHYSICS                      | SPR/2006 - | AUT/9999 | 3.0                | .                                    | .           | .          | .              | .                | .                | .                | Y                | .                | .                | .           | .                 | .                | .                |
| COMMENT:EMAIL PREREQ CHANGE |                                                                     |            |          |                    | LAST UPDT:12/13/05 APPROVED: 9/24/01 |             |            |                |                  |                  |                  |                  |                  |                  |             |                   |                  |                  |
| PHYS 321                    | ELECTROMAGNETISM<br>Electromagnetism                                | AUT/2011 - | AUT/9999 | 4.0                | .                                    | .           | .          | .              | .                | .                | .                | Y                | .                | .                | .           | .                 | .                | .                |
| COMMENT:EMAIL PREQ CHG      |                                                                     |            |          |                    | LAST UPDT: 2/22/11                   |             |            |                |                  |                  |                  |                  |                  |                  |             |                   |                  |                  |
| PHYS 322                    | ELECTROMAGNETISM<br>Electromagnetism                                | SUM/2002 - | AUT/9999 | 4.0                | .                                    | .           | .          | .              | .                | .                | .                | Y                | .                | .                | .           | .                 | .                | .                |
| COMMENT:CHG CREDITS         |                                                                     |            |          |                    | LAST UPDT: 2/22/11                   |             |            |                |                  |                  |                  |                  |                  |                  |             |                   |                  |                  |
| PHYS 323                    | ELECTROMAGNETISM<br>Electromagnetism                                | SUM/2002 - | AUT/9999 | 4.0                | .                                    | .           | .          | .              | .                | .                | .                | Y                | .                | .                | .           | .                 | .                | .                |
| COMMENT:CHG CREDITS         |                                                                     |            |          |                    | LAST UPDT: 3/26/02                   |             |            |                |                  |                  |                  |                  |                  |                  |             |                   |                  |                  |
| PHYS 324                    | QUANTUM MECHANICS<br>Quantum Mechanics                              | AUT/2011 - | AUT/9999 | 4.0                | .                                    | .           | .          | .              | .                | .                | .                | Y                | .                | .                | .           | .                 | .                | .                |
| COMMENT:EMAIL PREQ CHG      |                                                                     |            |          |                    | LAST UPDT: 2/22/11                   |             |            |                |                  |                  |                  |                  |                  |                  |             |                   |                  |                  |
| PHYS 325                    | QUANTUM MECHANICS<br>Quantum Mechanics                              | SUM/2002 - | AUT/9999 | 4.0                | .                                    | .           | .          | .              | .                | .                | .                | Y                | .                | .                | .           | .                 | .                | .                |
| COMMENT:CHG CREDITS         |                                                                     |            |          |                    | LAST UPDT: 3/26/02                   |             |            |                |                  |                  |                  |                  |                  |                  |             |                   |                  |                  |
| PHYS 327                    | INTRO NUCLEAR PHYS<br>INTRODUCTION TO NUCLEAR PHYSICS               | WIN/1969 - | AUT/9999 | 3.0                | .                                    | .           | .          | .              | .                | .                | .                | Y                | .                | .                | .           | .                 | .                | .                |
|                             |                                                                     |            |          |                    | LAST UPDT: 8/14/06                   |             |            |                |                  |                  |                  |                  |                  |                  |             |                   |                  |                  |
| PHYS 328                    | STATISTICAL PHYSICS<br>Statistical Physics                          | AUT/2013 - | AUT/9999 | 3.0                | .                                    | .           | .          | .              | .                | .                | .                | Y                | .                | .                | .           | .                 | .                | .                |
| COMMENT:EMAIL PREQ CHG      |                                                                     |            |          |                    | LAST UPDT: 5/16/13 APPROVED: 9/01/77 |             |            |                |                  |                  |                  |                  |                  |                  |             |                   |                  |                  |

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DEPARTMENT: PHYSICS

| CURRIC | COURSE<br>NUM | TITLE                                                                 | EFFECTIVE  | QUARTERS | CREDITS | OVER D D S H F V L E E W                              |   |     |    |      |   |   |   |   |   |   |   |   | RESPONS | JOINT | O |   |        |         |
|--------|---------------|-----------------------------------------------------------------------|------------|----------|---------|-------------------------------------------------------|---|-----|----|------|---|---|---|---|---|---|---|---|---------|-------|---|---|--------|---------|
|        |               |                                                                       |            |          |         | -ALL                                                  | U | GRD | E  | U    | N | E | P | I | N | C | M | S |         |       |   | N | COURSE | COURSES |
|        |               |                                                                       |            |          |         | MAX                                                   | P | SYS | D  | HYPH | M | R | E | A | S | W | T | P | R       | G     |   |   | I      | T       |
| PHYS   | 329           | MATH & CLAS MECHANICS<br>Mathematical Methods and Classical Mechanics | AUT/2009 - | AUT/9999 | 3.0     |                                                       | . | .   |    |      | . | . | . | . | Y | . | . | . | .       | .     |   |   | .      |         |
|        |               |                                                                       |            |          |         | LAST UPDT: 2/18/09 APPROVED: 11/14/06                 |   |     |    |      |   |   |   |   |   |   |   |   |         |       |   |   |        |         |
|        |               |                                                                       |            |          |         | COMMENT: WAS PHYS 229                                 |   |     |    |      |   |   |   |   |   |   |   |   |         |       |   |   |        |         |
| PHYS   | 331           | OPTICS LABORATORY<br>Optics Laboratory                                | AUT/2011 - | AUT/9999 | 3.0     |                                                       | . | .   |    |      | . | . | Y | . | . | Y | . | . | .       | .     |   |   | .      |         |
|        |               |                                                                       |            |          |         | LAST UPDT: 8/10/12                                    |   |     |    |      |   |   |   |   |   |   |   |   |         |       |   |   |        |         |
|        |               |                                                                       |            |          |         | FEE TYPE: 1 \$50.00 BUDGET: 069372 REV OBJ CD: 943081 |   |     |    |      |   |   |   |   |   |   |   |   |         |       |   |   |        |         |
| PHYS   | 334           | ELECT CIRCUITS LAB<br>Electric Circuits Laboratory                    | AUT/2011 - | AUT/9999 | 3.0     |                                                       | . | .   |    |      | . | . | Y | . | . | Y | . | . | .       | .     |   |   | .      |         |
|        |               |                                                                       |            |          |         | LAST UPDT: 8/10/12 APPROVED: 6/01/77                  |   |     |    |      |   |   |   |   |   |   |   |   |         |       |   |   |        |         |
|        |               |                                                                       |            |          |         | FEE TYPE: 1 \$50.00 BUDGET: 069372 REV OBJ CD: 943081 |   |     |    |      |   |   |   |   |   |   |   |   |         |       |   |   |        |         |
| PHYS   | 335           | ELECT CIRCUITS LAB<br>Electric Circuits Laboratory                    | SPR/1978 - | AUT/9999 | 3.0     |                                                       | . | .   |    |      | . | . | Y | . | . | Y | . | . | .       | .     |   |   | .      |         |
|        |               |                                                                       |            |          |         | LAST UPDT: 8/10/12 APPROVED: 6/01/77                  |   |     |    |      |   |   |   |   |   |   |   |   |         |       |   |   |        |         |
|        |               |                                                                       |            |          |         | FEE TYPE: 1 \$50.00 BUDGET: 069372 REV OBJ CD: 943081 |   |     |    |      |   |   |   |   |   |   |   |   |         |       |   |   |        |         |
| PHYS   | 342           | ENERGY & ENVIRON II<br>ENERGY AND ENVIRONMENT II                      | AUT/2004 - | AUT/9999 | 3.0     |                                                       | . | .   |    |      | . | . | . | . | Y | . | . | . | .       | .     |   |   | .      |         |
|        |               |                                                                       |            |          |         | LAST UPDT: 3/04/05 APPROVED: 5/24/93                  |   |     |    |      |   |   |   |   |   |   |   |   |         |       |   |   |        |         |
|        |               |                                                                       |            |          |         | COMMENT: CHG JT STATUS                                |   |     |    |      |   |   |   |   |   |   |   |   |         |       |   |   |        |         |
| PHYS   | 400           | BASIC & MODERN PHYS<br>PHYSICS FOR HIGH SCHOOL TEACHERS               | SUM/1975 - | AUT/9999 | 10.0    |                                                       | . | .   |    |      | . | . | . | . | Y | . | . | . | .       | .     |   |   | .      |         |
|        |               |                                                                       |            |          |         | LAST UPDT: 9/06/06                                    |   |     |    |      |   |   |   |   |   |   |   |   |         |       |   |   |        |         |
| PHYS   | 401           | SPECIAL PROBLEMS<br>Special Problems                                  | SUM/1984 - | AUT/9999 | 0.0     | 30.0                                                  | . | .   |    |      | . | . | . | . | . | . | . | . | .       | .     |   |   | .      |         |
|        |               |                                                                       |            |          |         | LAST UPDT: 9/29/95                                    |   |     |    |      |   |   |   |   |   |   |   |   |         |       |   |   |        |         |
| PHYS   | 402           | SPECIAL PROBLEMS<br>Special Problems                                  | WIN/1986 - | AUT/9999 | 0.0     | 30.0                                                  | . | .   |    |      | . | . | . | . | . | . | . | . | .       | .     |   |   | .      |         |
|        |               |                                                                       |            |          |         | LAST UPDT: 9/29/95                                    |   |     |    |      |   |   |   |   |   |   |   |   |         |       |   |   |        |         |
| PHYS   | 403           | SPECIAL PROBLEMS<br>Special Problems                                  | SPR/1980 - | AUT/9999 | 0.0     | 30.0                                                  | . | .   |    |      | . | . | . | . | . | . | . | . | .       | .     |   |   | .      |         |
|        |               |                                                                       |            |          |         | LAST UPDT: 9/29/95                                    |   |     |    |      |   |   |   |   |   |   |   |   |         |       |   |   |        |         |
| PHYS   | 405           | PHYS SCI INQUIRY II<br>Physical Science by Inquiry II                 | AUT/1996 - | AUT/9999 | 5.0     |                                                       | . | .   | 12 |      | . | . | . | . | Y | . | . | . | .       | Y     |   |   | .      |         |
|        |               |                                                                       |            |          |         | LAST UPDT: 3/05/03 APPROVED: 1/01/84                  |   |     |    |      |   |   |   |   |   |   |   |   |         |       |   |   |        |         |
|        |               |                                                                       |            |          |         | COMMENT: CHANGE PREREQ, DESCRIP                       |   |     |    |      |   |   |   |   |   |   |   |   |         |       |   |   |        |         |

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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 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 |
|----------------------|-------------------------------------------------------------------|---------------------|----------|--------------------|--------------------------------------|-----------------|----------------|-------------------------|----------------------------|--------------------------|----------------------------|-------------------|------------------|------------------|
| PHYS 406             | PHYS SCI INQUIRY II<br>Physical Science by Inquiry II             | AUT/1996 - AUT/9999 | 5.0      |                    | Y                                    | .               | 22             | .                       | .                          | Y                        | .                          | Y                 |                  | .                |
|                      |                                                                   |                     |          |                    | LAST UPDT: 9/09/08 APPROVED: 1/01/84 |                 |                |                         |                            |                          |                            |                   |                  |                  |
|                      |                                                                   |                     |          |                    | COMMENT:CHANGE PREREQ, DESCRIP       |                 |                |                         |                            |                          |                            |                   |                  |                  |
| PHYS 407             | PHYS BY INQUIRY II<br>Physics by Inquiry II                       | AUT/2011 - AUT/9999 | 5.0      |                    | .                                    | .               |                | .                       | .                          | Y                        | .                          | Y                 |                  | .                |
|                      |                                                                   |                     |          |                    | LAST UPDT: 2/22/11 APPROVED: 4/01/72 |                 |                |                         |                            |                          |                            |                   |                  |                  |
|                      |                                                                   |                     |          |                    | COMMENT:EMAIL PREQ CHG               |                 |                |                         |                            |                          |                            |                   |                  |                  |
| PHYS 408             | PHYS BY INQUIRY II<br>Physics by Inquiry II                       | AUT/1996 - AUT/9999 | 5.0      |                    | .                                    | .               |                | .                       | .                          | Y                        | .                          | Y                 |                  | .                |
|                      |                                                                   |                     |          |                    | LAST UPDT: 7/15/97 APPROVED: 4/01/72 |                 |                |                         |                            |                          |                            |                   |                  |                  |
|                      |                                                                   |                     |          |                    | COMMENT:CHANGE PREREQ, DESCRIP       |                 |                |                         |                            |                          |                            |                   |                  |                  |
| PHYS 409             | PHYS BY INQUIRY II<br>Physics by Inquiry II                       | AUT/1996 - AUT/9999 | 5.0      |                    | .                                    | .               |                | .                       | .                          | Y                        | .                          | Y                 |                  | .                |
|                      |                                                                   |                     |          |                    | LAST UPDT: 7/15/97 APPROVED: 5/01/70 |                 |                |                         |                            |                          |                            |                   |                  |                  |
|                      |                                                                   |                     |          |                    | COMMENT:CHANGE PREREQ, DESCRIP       |                 |                |                         |                            |                          |                            |                   |                  |                  |
| PHYS 410             | INQUIRY FOR TEACHER<br>Physics by Inquiry for In-Service Teachers | SPR/2002 - AUT/9999 | 1.0-02.0 | 30.0               | Y                                    | CR/NC           | .              | .                       | .                          | Y                        | .                          | .                 |                  | .                |
|                      |                                                                   |                     |          |                    | LAST UPDT: 3/10/05                   |                 |                |                         |                            |                          |                            |                   |                  |                  |
|                      |                                                                   |                     |          |                    | COMMENT:CHG MAX CR RETRO TO SPR/02   |                 |                |                         |                            |                          |                            |                   |                  |                  |
| PHYS 411             | LEAD TEACHER INQUIR<br>Physics by Inquiry for Lead Teachers       | AUT/2005 - AUT/9999 | 1.0-04.0 | 4.0                | Y                                    | CR/NC           | .              | .                       | .                          | Y                        | .                          | .                 |                  | .                |
|                      |                                                                   |                     |          |                    | LAST UPDT: 7/13/05 APPROVED:10/01/75 |                 |                |                         |                            |                          |                            |                   |                  |                  |
|                      |                                                                   |                     |          |                    | COMMENT:CHANGE TO PERM CR/NCA        |                 |                |                         |                            |                          |                            |                   |                  |                  |
| PHYS 412             | LEAD TEACHER INQUIR<br>Physics by Inquiry for Lead Teachers       | AUT/2005 - AUT/9999 | 1.0-04.0 | 4.0                | Y                                    | CR/NC           | .              | .                       | .                          | Y                        | .                          | .                 |                  | .                |
|                      |                                                                   |                     |          |                    | LAST UPDT: 7/13/05 APPROVED:10/01/75 |                 |                |                         |                            |                          |                            |                   |                  |                  |
|                      |                                                                   |                     |          |                    | COMMENT:CHANGE TO CR/NC ONLY         |                 |                |                         |                            |                          |                            |                   |                  |                  |
| PHYS 413             | LEAD TEACHER INQUIR<br>Physics by Inquiry for Lead Teachers       | AUT/2005 - AUT/9999 | 1.0-04.0 | 4.0                | Y                                    | CR/NC           | .              | .                       | .                          | Y                        | .                          | .                 |                  | .                |
|                      |                                                                   |                     |          |                    | LAST UPDT: 7/13/05 APPROVED:10/01/75 |                 |                |                         |                            |                          |                            |                   |                  |                  |
|                      |                                                                   |                     |          |                    | COMMENT:CHANGE TO CR/NC ONLY         |                 |                |                         |                            |                          |                            |                   |                  |                  |
| PHYS 421             | COMTEMP ATOMIC PHYS<br>Contemporary Atomic Physics                | AUT/2011 - AUT/9999 | 3.0      |                    | .                                    | .               |                | .                       | .                          | Y                        | .                          | .                 |                  | .                |
|                      |                                                                   |                     |          |                    | LAST UPDT: 2/22/11                   |                 |                |                         |                            |                          |                            |                   |                  |                  |
|                      |                                                                   |                     |          |                    | COMMENT:EMAIL PREQ CHG               |                 |                |                         |                            |                          |                            |                   |                  |                  |

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| COURSE<br>CURRIC NUM | TITLE                                                            | EFFECTIVE           | QUARTERS | QUARTER<br>CREDITS | OVER<br>-ALL<br>MAX                                | D<br>U<br>P | GRD<br>SYS | D<br>E<br>D<br>HYPH | S<br>H<br>F<br>U<br>N<br>E<br>M<br>R<br>E | V<br>L<br>I<br>P<br>A | E<br>L<br>N<br>C<br>M<br>S<br>N<br>T<br>P<br>R<br>G | W<br>R<br>Q<br>T<br>S<br>N<br>G | RESPONS<br>COURSE | JOINT<br>COURSES | O<br>M<br>I<br>T |
|----------------------|------------------------------------------------------------------|---------------------|----------|--------------------|----------------------------------------------------|-------------|------------|---------------------|-------------------------------------------|-----------------------|-----------------------------------------------------|---------------------------------|-------------------|------------------|------------------|
| PHYS 422             | CTMP NUCL/PART PHYS<br>Contemporary Nuclear and Particle Physics | AUT/2011 - AUT/9999 | 3.0      |                    | .                                                  | .           | .          | .                   | .                                         | .                     | Y                                                   | .                               | .                 | .                | .                |
|                      |                                                                  |                     |          |                    | LAST UPDT: 2/22/11                                 |             |            |                     |                                           |                       |                                                     |                                 |                   |                  |                  |
|                      |                                                                  |                     |          |                    | COMMENT:EMAIL PREQ CHG                             |             |            |                     |                                           |                       |                                                     |                                 |                   |                  |                  |
| PHYS 423             | CONTEMP COND MATTER<br>Contemporary Condensed Matter Physics     | AUT/2011 - AUT/9999 | 3.0      |                    | .                                                  | .           | .          | .                   | .                                         | .                     | Y                                                   | .                               | .                 | .                | .                |
|                      |                                                                  |                     |          |                    | LAST UPDT: 2/22/11                                 |             |            |                     |                                           |                       |                                                     |                                 |                   |                  |                  |
|                      |                                                                  |                     |          |                    | COMMENT:EMAIL PREQ CHG                             |             |            |                     |                                           |                       |                                                     |                                 |                   |                  |                  |
| PHYS 425             | MATHEMATICAL PHYSICS<br>MATHEMATICAL PHYSICS                     | WIN/1974 - AUT/9999 | 3.0      |                    | .                                                  | .           | .          | .                   | .                                         | .                     | Y                                                   | .                               | .                 | .                | .                |
|                      |                                                                  |                     |          |                    | LAST UPDT: 4/28/09                                 |             |            |                     |                                           |                       |                                                     |                                 |                   |                  |                  |
| PHYS 426             | MATHEMATICAL PHYSICS<br>MATHEMATICAL PHYSICS                     | SPR/1974 - AUT/9999 | 3.0      |                    | .                                                  | .           | .          | .                   | .                                         | .                     | Y                                                   | .                               | .                 | .                | .                |
|                      |                                                                  |                     |          |                    | LAST UPDT: 4/28/09                                 |             |            |                     |                                           |                       |                                                     |                                 |                   |                  |                  |
| PHYS 427             | APPL OF PHYSICS<br>Applications of Physics                       | WIN/1971 - AUT/9999 | 1.0-03.0 | 12.0               | Y                                                  | .           | .          | .                   | .                                         | .                     | Y                                                   | .                               | .                 | .                | .                |
|                      |                                                                  |                     |          |                    | LAST UPDT: 9/06/06 APPROVED: 7/16/70               |             |            |                     |                                           |                       |                                                     |                                 |                   |                  |                  |
| PHYS 428             | SEL TOPICS IN PHYS<br>Selected Topics in Physics                 | SUM/1995 - AUT/9999 | 1.0-05.0 | 12.0               | Y                                                  | .           | .          | .                   | .                                         | .                     | Y                                                   | .                               | .                 | .                | .                |
|                      |                                                                  |                     |          |                    | LAST UPDT: 3/27/95 APPROVED: 7/01/70               |             |            |                     |                                           |                       |                                                     |                                 |                   |                  |                  |
| PHYS 429             | BIOPHYSICS<br>Biophysics                                         | AUT/2011 - AUT/9999 | 3.0      |                    | .                                                  | .           | .          | .                   | .                                         | .                     | .                                                   | .                               | .                 | .                | .                |
|                      |                                                                  |                     |          |                    | LAST UPDT: 2/22/11 APPROVED: 6/20/07               |             |            |                     |                                           |                       |                                                     |                                 |                   |                  |                  |
|                      |                                                                  |                     |          |                    | COMMENT:EMAIL PREQ CHG                             |             |            |                     |                                           |                       |                                                     |                                 |                   |                  |                  |
| PHYS 431             | MODERN PHYSICS LAB<br>Modern Physics Laboratory                  | AUT/2011 - AUT/9999 | 3.0      |                    | .                                                  | .           | .          | .                   | Y                                         | .                     | Y                                                   | .                               | .                 | .                | .                |
|                      |                                                                  |                     |          |                    | LAST UPDT: 8/10/12                                 |             |            |                     |                                           |                       |                                                     |                                 |                   |                  |                  |
|                      |                                                                  |                     |          |                    | FEE TYPE:1 \$50.00 BUDGET:069372 REV OBJ CD:943081 |             |            |                     |                                           |                       |                                                     |                                 |                   |                  |                  |
| PHYS 432             | MODERN PHYSICS LAB<br>Modern Physics Laboratory                  | AUT/2011 - AUT/9999 | 3.0      |                    | .                                                  | .           | .          | .                   | Y                                         | .                     | Y                                                   | .                               | .                 | .                | .                |
|                      |                                                                  |                     |          |                    | LAST UPDT: 8/10/12                                 |             |            |                     |                                           |                       |                                                     |                                 |                   |                  |                  |
|                      |                                                                  |                     |          |                    | FEE TYPE:1 \$50.00 BUDGET:069372 REV OBJ CD:943081 |             |            |                     |                                           |                       |                                                     |                                 |                   |                  |                  |
| PHYS 433             | MODERN PHYSICS LAB<br>Modern Physics Laboratory                  | AUT/2011 - AUT/9999 | 3.0      |                    | .                                                  | .           | .          | .                   | Y                                         | .                     | Y                                                   | .                               | .                 | .                | .                |
|                      |                                                                  |                     |          |                    | LAST UPDT: 8/10/12                                 |             |            |                     |                                           |                       |                                                     |                                 |                   |                  |                  |
|                      |                                                                  |                     |          |                    | FEE TYPE:1 \$50.00 BUDGET:069372 REV OBJ CD:943081 |             |            |                     |                                           |                       |                                                     |                                 |                   |                  |                  |
|                      |                                                                  |                     |          |                    | COMMENT:EMAIL PREQ CHG                             |             |            |                     |                                           |                       |                                                     |                                 |                   |                  |                  |

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| CURRIC | COURSE<br>NUM | TITLE                                                                                  | EFFECTIVE           | QUARTERS | CREDITS | OVER D                                             |   | GRD | D | S H F | V | L I | E E | W | RESPONS  | JOINT     | O |
|--------|---------------|----------------------------------------------------------------------------------------|---------------------|----------|---------|----------------------------------------------------|---|-----|---|-------|---|-----|-----|---|----------|-----------|---|
|        |               |                                                                                        |                     |          |         | -ALL                                               | U |     |   |       |   |     |     |   |          |           |   |
| PHYS   | 434           | COMPT PHYS MEAS<br>Application of Computers to Physical Measurement                    | AUT/2011 - AUT/9999 | 3.0      |         | .                                                  | . |     |   | . . Y | . | .   | .   | . |          |           | . |
|        |               |                                                                                        |                     |          |         | LAST UPDT: 8/10/12 APPROVED: 3/01/75               |   |     |   |       |   |     |     |   |          |           |   |
|        |               |                                                                                        |                     |          |         | FEE TYPE:1 \$50.00 BUDGET:069372 REV OBJ CD:943081 |   |     |   |       |   |     |     |   |          |           |   |
| PHYS   | 436           | NONLINEAR DYNAMICS<br>Nonlinear Dynamics and Chaos                                     | SPR/1995 - AUT/9999 | 4.0      |         | .                                                  | . |     |   | . . . | . | .   | Y   | . |          |           | . |
|        |               |                                                                                        |                     |          |         | LAST UPDT: 2/14/95 APPROVED:12/16/94               |   |     |   |       |   |     |     |   |          |           |   |
| PHYS   | 441           | QUANTUM PHYSICS<br>Quantum Physics                                                     | AUT/1978 - AUT/9999 | 4.0      |         | .                                                  | . |     |   | . . . | . | .   | Y   | . |          |           | . |
|        |               |                                                                                        |                     |          |         | LAST UPDT: 3/09/94 APPROVED: 7/01/78               |   |     |   |       |   |     |     |   |          |           |   |
| PHYS   | 451           | WOMEN/ETHNICS SEM<br>Issues for Ethnic Minorities and Women In Science and Engineering | AUT/2011 - AUT/9999 | 3.0-05.0 |         | .                                                  | . |     |   | . . . | . | Y   | .   | . | GWSS 485 | GWSS 485  | . |
|        |               |                                                                                        |                     |          |         | LAST UPDT: 3/16/11 APPROVED: 3/28/00               |   |     |   |       |   |     |     |   |          |           |   |
|        |               |                                                                                        |                     |          |         | COMMENT:CHG JT STATUS                              |   |     |   |       |   |     |     |   |          |           |   |
| PHYS   | 460           | WATER IN ENVIRONMNT<br>Water in the Environment                                        | AUT/2009 - AUT/9999 | 3.0      |         | .                                                  | . |     |   | . . . | . | .   | Y   | . | ESS 424  | ATM S 460 | . |
|        |               |                                                                                        |                     |          |         | LAST UPDT: 8/12/09 APPROVED: 2/25/00               |   |     |   |       |   |     |     |   |          |           |   |
|        |               |                                                                                        |                     |          |         | COMMENT:CHG JT STATUS                              |   |     |   |       |   |     |     |   |          |           |   |
| PHYS   | 485           | H-SR HONORS SEMINAR<br>Senior Honors Seminar                                           | AUT/2011 - AUT/9999 | 1.0      |         | 3.0                                                | . | .   |   | . . . | . | .   | Y   | . |          |           | . |
|        |               |                                                                                        |                     |          |         | LAST UPDT: 2/22/11                                 |   |     |   |       |   |     |     |   |          |           |   |
|        |               |                                                                                        |                     |          |         | COMMENT:EMAIL PREQ CHG                             |   |     |   |       |   |     |     |   |          |           |   |
| PHYS   | 486           | H-SR HONORS SEMINAR<br>Senior Honors Seminar                                           | AUT/2011 - AUT/9999 | 1.0      |         | 3.0                                                | . | .   |   | . . . | . | .   | Y   | . |          |           | . |
|        |               |                                                                                        |                     |          |         | LAST UPDT: 2/22/11                                 |   |     |   |       |   |     |     |   |          |           |   |
|        |               |                                                                                        |                     |          |         | COMMENT:EMAIL PREQ CHG                             |   |     |   |       |   |     |     |   |          |           |   |
| PHYS   | 487           | H-SR HONORS SEMINAR<br>Senior Honors Seminar                                           | AUT/2011 - AUT/9999 | 1.0      |         | 3.0                                                | . | .   |   | . . . | . | .   | Y   | . |          |           | . |
|        |               |                                                                                        |                     |          |         | LAST UPDT: 2/22/11                                 |   |     |   |       |   |     |     |   |          |           |   |
|        |               |                                                                                        |                     |          |         | COMMENT:EMAIL PREQ CHG                             |   |     |   |       |   |     |     |   |          |           |   |
| PHYS   | 494           | SEM CURRENT PROBS<br>Seminar on Current Problems in Physics                            | SPR/2003 - AUT/9999 | 1.0      |         | 3.0                                                | Y | .   |   | . . . | . | .   | Y   | . |          |           | . |
|        |               |                                                                                        |                     |          |         | LAST UPDT: 2/05/03 APPROVED: 3/29/93               |   |     |   |       |   |     |     |   |          |           |   |
|        |               |                                                                                        |                     |          |         | COMMENT:CHG CREDITS                                |   |     |   |       |   |     |     |   |          |           |   |

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|----------------------|----------------------------------------------------------|---------------------|-----------------|---------------------------|-----------------|-------------------|-------------------------|-----------------------|-------------------------|-----------------|-------------------|------------------|------------------|--|--|--|
| COURSE<br>CURRIC NUM | TITLE                                                    | EFFECTIVE QUARTERS  | QUARTER 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 L<br>P & A<br>S W T | E E<br>C M S<br>N P R G | W R<br>Q T<br>N | RESPONS<br>COURSE | JOINT<br>COURSES | O<br>M<br>I<br>T |  |  |  |
| PHYS 495             | SEM CURRENT PROBS Seminar on Current Problems in Physics | SPR/2003 - AUT/9999 | 1.0             | 3.0 Y                     | .               | .                 | . . .                   | . . Y                 | . . . .                 | .               |                   |                  |                  |  |  |  |
| COMMENT:CHG CREDITS  |                                                          |                     |                 | LAST UPDT: 2/05/03        |                 | APPROVED: 3/29/93 |                         |                       |                         |                 |                   |                  |                  |  |  |  |
| PHYS 496             | SEM CURRENT PROBS Seminar on Current Problems in Physics | SPR/2003 - AUT/9999 | 1.0             | 3.0 Y                     | .               | .                 | . . .                   | . . Y                 | . . . .                 | .               |                   |                  | .                |  |  |  |
| COMMENT:CHG CREDITS  |                                                          |                     |                 | LAST UPDT: 2/05/03        |                 | APPROVED: 3/29/93 |                         |                       |                         |                 |                   |                  |                  |  |  |  |
| PHYS 499             | UNDERGRAD RESEARCH Undergraduate Research                | AUT/2010 - AUT/9999 | 1.0-06.0        | 18.0 .                    | CR/NC           | .                 | . . .                   | . . . . .             | . . . . .               | .               |                   |                  | .                |  |  |  |
|                      |                                                          |                     |                 | LAST UPDT: 9/21/10        |                 | APPROVED: 9/21/10 |                         |                       |                         |                 |                   |                  |                  |  |  |  |
| PHYS 501             | TEACHING PHYSICS Tutorials in Teaching Physics           | AUT/1995 - AUT/9999 | 1.0             | 2.0 Y                     | CR/NC           | .                 | . . .                   | . . . . .             | . . . . .               | .               |                   |                  | .                |  |  |  |
|                      |                                                          |                     |                 | LAST UPDT: 6/02/95        |                 | APPROVED: 3/29/93 |                         |                       |                         |                 |                   |                  |                  |  |  |  |
| PHYS 502             | TEACHING PHYSICS Tutorials in Teaching Physics           | AUT/1995 - AUT/9999 | 1.0             | 2.0 Y                     | CR/NC           | .                 | . . .                   | . . . . .             | . . . . .               | .               |                   |                  | .                |  |  |  |
|                      |                                                          |                     |                 | LAST UPDT: 6/02/95        |                 | APPROVED: 3/29/93 |                         |                       |                         |                 |                   |                  |                  |  |  |  |
| PHYS 503             | TEACHING PHYSICS Tutorials in Teaching Physics           | AUT/1995 - AUT/9999 | 1.0             | 2.0 Y                     | CR/NC           | .                 | . . .                   | . . . . .             | . . . . .               | .               |                   |                  | .                |  |  |  |
|                      |                                                          |                     |                 | LAST UPDT: 6/02/95        |                 | APPROVED: 3/29/93 |                         |                       |                         |                 |                   |                  |                  |  |  |  |
| PHYS 505             | MECHANICS Mechanics                                      | AUT/1996 - AUT/9999 | 3.0             | .                         | .               | .                 | . . .                   | . . . . .             | . . . . .               | .               |                   |                  | .                |  |  |  |
|                      |                                                          |                     |                 | LAST UPDT: 3/19/96        |                 | APPROVED:12/01/81 |                         |                       |                         |                 |                   |                  |                  |  |  |  |
| PHYS 506             | NUMERICAL METHODS Numerical Methods                      | AUT/1996 - AUT/9999 | 3.0             | .                         | .               | .                 | . . .                   | . . . . .             | . . . . .               | .               |                   |                  | .                |  |  |  |
|                      |                                                          |                     |                 | LAST UPDT: 3/19/96        |                 | APPROVED:12/01/81 |                         |                       |                         |                 |                   |                  |                  |  |  |  |
| PHYS 507             | PHYS GROUP THEORY Physical Applications of Group Theory  | SPR/1984 - AUT/9999 | 3.0             | .                         | .               | .                 | . . .                   | . . . . .             | . . . . .               | .               |                   |                  | .                |  |  |  |
|                      |                                                          |                     |                 | LAST UPDT: 0/00/00        |                 | APPROVED: 6/01/83 |                         |                       |                         |                 |                   |                  |                  |  |  |  |
| PHYS 511             | CONTEMPORARY PHYSIC Topics in Contemporary Physics       | WIN/1997 - AUT/9999 | 3.0             | 9.0 .                     | .               | .                 | . . .                   | . . . . .             | . . . . .               | .               |                   |                  | .                |  |  |  |
|                      |                                                          |                     |                 | LAST UPDT: 6/11/96        |                 | APPROVED: 2/23/96 |                         |                       |                         |                 |                   |                  |                  |  |  |  |

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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 C M<br>T P R | W<br>R<br>G | RESPONS<br>COURSE | JOINT<br>COURSES | O<br>M<br>I<br>T |
|----------------------------|---------------------------------------------------------------------------------------------|------------|----------|--------------------|--------------------------------------|-----------------|----------------|-------------------------|----------------------------|-----------------------|-------------|-------------------|------------------|------------------|
| PHYS 513                   | ELECTRMAG & RELTVTY<br>Electromagnetism and Relativity                                      | AUT/2012 - | AUT/9999 | 3.0                | .                                    | .               | .              | .                       | .                          | .                     | .           | .                 | .                | .                |
|                            |                                                                                             |            |          |                    | LAST UPDT: 5/15/12                   |                 |                |                         |                            |                       |             |                   |                  |                  |
| COMMENT:CHG CREDITS        |                                                                                             |            |          |                    |                                      |                 |                |                         |                            |                       |             |                   |                  |                  |
| PHYS 514                   | ELECTRMAG & RELTVTY<br>Electromagnetism and Relativity                                      | WIN/2013 - | AUT/9999 | 4.0                | .                                    | .               | .              | .                       | .                          | .                     | .           | .                 | .                | .                |
|                            |                                                                                             |            |          |                    | LAST UPDT: 5/15/12                   |                 |                |                         |                            |                       |             |                   |                  |                  |
| COMMENT:CHG CREDITS        |                                                                                             |            |          |                    |                                      |                 |                |                         |                            |                       |             |                   |                  |                  |
| PHYS 515                   | ELECTRMAG & RELTVTY<br>Electromagnetism and Relativity                                      | SPR/1971 - | AUT/9999 | 4.0                | .                                    | .               | .              | .                       | .                          | .                     | .           | .                 | .                | .                |
|                            |                                                                                             |            |          |                    | LAST UPDT:11/18/92                   |                 |                |                         |                            |                       |             |                   |                  |                  |
| PHYS 517                   | QUANTUM MECHANICS<br>Quantum Mechanics                                                      | AUT/1998 - | AUT/9999 | 4.0                | .                                    | .               | .              | .                       | .                          | .                     | .           | .                 | .                | .                |
|                            |                                                                                             |            |          |                    | LAST UPDT: 2/27/98                   |                 |                |                         |                            |                       |             |                   |                  |                  |
| COMMENT:CHANGE DESCRIPTION |                                                                                             |            |          |                    |                                      |                 |                |                         |                            |                       |             |                   |                  |                  |
| PHYS 518                   | QUANTUM MECHANICS<br>Quantum Mechanics                                                      | AUT/1998 - | AUT/9999 | 4.0                | .                                    | .               | .              | .                       | .                          | .                     | .           | .                 | .                | .                |
|                            |                                                                                             |            |          |                    | LAST UPDT: 2/27/98                   |                 |                |                         |                            |                       |             |                   |                  |                  |
| COMMENT:CHANGE DESCRIPTION |                                                                                             |            |          |                    |                                      |                 |                |                         |                            |                       |             |                   |                  |                  |
| PHYS 519                   | QUANTUM MECHANICS<br>Quantum Mechanics                                                      | AUT/1998 - | AUT/9999 | 4.0                | .                                    | .               | .              | .                       | .                          | .                     | .           | .                 | .                | .                |
|                            |                                                                                             |            |          |                    | LAST UPDT: 2/27/98                   |                 |                |                         |                            |                       |             |                   |                  |                  |
| COMMENT:CHANGE DESCRIPTION |                                                                                             |            |          |                    |                                      |                 |                |                         |                            |                       |             |                   |                  |                  |
| PHYS 520                   | ADV QM-INTRO QFT<br>Advanced Quantum Mechanics - Introduction to Quantum Field Theory       | AUT/2002 - | AUT/9999 | 4.0                | .                                    | .               | .              | .                       | .                          | .                     | .           | .                 | .                | .                |
|                            |                                                                                             |            |          |                    | LAST UPDT: 3/05/02 APPROVED:10/05/92 |                 |                |                         |                            |                       |             |                   |                  |                  |
| COMMENT:CHG CREDITS        |                                                                                             |            |          |                    |                                      |                 |                |                         |                            |                       |             |                   |                  |                  |
| PHYS 521                   | ADV QM-INTRO QFT<br>Advanced Quantum Mechanics - Introduction to Quantum Field Theory       | WIN/1993 - | AUT/9999 | 3.0                | .                                    | .               | .              | .                       | .                          | .                     | .           | .                 | .                | .                |
|                            |                                                                                             |            |          |                    | LAST UPDT:11/19/92 APPROVED:10/05/92 |                 |                |                         |                            |                       |             |                   |                  |                  |
| PHYS 522                   | INTRO MODERN QFT<br>Advanced Quantum Mechanics: Introduction to Modern Quantum Field Theory | SUM/1997 - | AUT/9999 | 3.0                | .                                    | CR/NC           | .              | .                       | .                          | .                     | .           | .                 | .                | .                |
|                            |                                                                                             |            |          |                    | LAST UPDT: 1/31/97 APPROVED:10/05/92 |                 |                |                         |                            |                       |             |                   |                  |                  |

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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 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 |
|--------------------------------------|--------------------------------------------------------------------------------|---------------------|----------|--------------------|---------------------------|-----------------|----------------|-------------------------|----------------------------|--------------------------|----------------------------|-------------------|------------------|------------------|
| PHYS 524                             | THERMO & STAT MECH<br>Thermodynamics and Statistical Mechanics                 | WIN/1996 - AUT/9999 |          | 4.0                | .                         | .               | .              | .                       | .                          | .                        | .                          |                   |                  | .                |
| LAST UPDT: 8/28/96                   |                                                                                |                     |          |                    |                           |                 |                |                         |                            |                          |                            |                   |                  |                  |
| PHYS 525                             | STATISTICAL MECH<br>Statistical Mechanics                                      | AUT/1996 - AUT/9999 |          | 3.0                | .                         | .               | .              | .                       | .                          | .                        | .                          |                   |                  | .                |
| LAST UPDT: 3/19/96                   |                                                                                |                     |          |                    |                           |                 |                |                         |                            |                          |                            |                   |                  |                  |
| PHYS 527                             | CURRENT PROBS PHYS<br>Current Problems in Physics                              | AUT/1992 - AUT/9999 |          | 1.0                | .                         | CR/NC           | .              | .                       | .                          | .                        | .                          |                   |                  | .                |
| LAST UPDT:12/15/92 APPROVED: 5/29/92 |                                                                                |                     |          |                    |                           |                 |                |                         |                            |                          |                            |                   |                  |                  |
| PHYS 528                             | CURRENT PROBS PHYS<br>Current Problems in Physics                              | WIN/1993 - AUT/9999 |          | 1.0                | .                         | CR/NC           | .              | .                       | .                          | .                        | .                          |                   |                  | .                |
| LAST UPDT:12/15/92 APPROVED: 5/29/92 |                                                                                |                     |          |                    |                           |                 |                |                         |                            |                          |                            |                   |                  |                  |
| PHYS 529                             | CURRENT PROBS PHYS<br>CURRENT PROBLEMS IN PHYSICS                              | AUT/1969 - AUT/9999 |          | 1.0                | .                         | .               | .              | .                       | .                          | .                        | .                          |                   |                  | .                |
| LAST UPDT: 1/06/93                   |                                                                                |                     |          |                    |                           |                 |                |                         |                            |                          |                            |                   |                  |                  |
| PHYS 530                             | LASER PHYSICS<br>Laser Physics                                                 | SPR/1994 - AUT/9999 |          | 4.0                | .                         | .               | .              | .                       | .                          | .                        | .                          |                   |                  | .                |
| LAST UPDT: 9/06/06 APPROVED:12/06/93 |                                                                                |                     |          |                    |                           |                 |                |                         |                            |                          |                            |                   |                  |                  |
| COMMENT:WAS PHYS 580                 |                                                                                |                     |          |                    |                           |                 |                |                         |                            |                          |                            |                   |                  |                  |
| PHYS 532                             | LIQ CRYSTAL DEVICES<br>Liquid Crystal Devices                                  | SPR/1994 - AUT/9999 |          | 4.0                | .                         | .               | .              | .                       | .                          | .                        | .                          |                   |                  | .                |
| LAST UPDT: 9/06/06 APPROVED:12/06/93 |                                                                                |                     |          |                    |                           |                 |                |                         |                            |                          |                            |                   |                  |                  |
| COMMENT:WAS PHYS 582                 |                                                                                |                     |          |                    |                           |                 |                |                         |                            |                          |                            |                   |                  |                  |
| PHYS 536                             | INTRO ACOUSTICS/DSP<br>Introduction to Acoustics and Digital Signal Processing | AUT/2004 - AUT/9999 |          | 4.0                | .                         | .               | .              | .                       | .                          | .                        | .                          |                   |                  | .                |
| LAST UPDT:11/19/04 APPROVED: 8/20/04 |                                                                                |                     |          |                    |                           |                 |                |                         |                            |                          |                            |                   |                  |                  |
| PHYS 541                             | APPL OF QUANT PHYS<br>Applications of Quantum Physics                          | SPR/1979 - AUT/9999 |          | 4.0                | .                         | .               | .              | .                       | .                          | .                        | .                          |                   |                  | .                |
| LAST UPDT: 0/00/00 APPROVED: 7/01/78 |                                                                                |                     |          |                    |                           |                 |                |                         |                            |                          |                            |                   |                  |                  |
| PHYS 542                             | NUMERICAL METHODS<br>Numerical Methods in Physics                              | WIN/1999 - AUT/9999 |          | 4.0                | .                         | .               | .              | .                       | .                          | .                        | .                          |                   |                  | .                |
| LAST UPDT: 6/25/98 APPROVED: 5/01/81 |                                                                                |                     |          |                    |                           |                 |                |                         |                            |                          |                            |                   |                  |                  |
| COMMENT:CHANGE CAT DATA AND PREREQ   |                                                                                |                     |          |                    |                           |                 |                |                         |                            |                          |                            |                   |                  |                  |

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|----------------------|------------------------------------------------------------|------------|----------|--------------------|------------------------------|-------------|-------------------|----------------|------------------|------------------|------------------|------------------|------------------|----------------------------|-------------------|------------------|------------------|
| PHYS 543             | ELECTROMAG THEORY<br>Electromagnetic Theory                | WIN/1999 - | AUT/9999 | 4.0                | .                            | .           | .                 | .              | .                | .                | .                | .                | .                | .                          | .                 | .                | .                |
|                      |                                                            |            |          |                    | LAST UPDT: 9/10/99           |             | APPROVED: 4/01/82 |                |                  |                  |                  |                  |                  |                            |                   |                  |                  |
| PHYS 544             | APP ELECTMAG THY<br>Applications of Electromagnetic Theory | WIN/1999 - | AUT/9999 | 4.0                | .                            | .           | .                 | .              | .                | .                | .                | .                | .                | .                          | .                 | .                | .                |
|                      |                                                            |            |          |                    | LAST UPDT: 6/25/98           |             | APPROVED:12/01/80 |                |                  |                  |                  |                  |                  |                            |                   |                  |                  |
|                      |                                                            |            |          |                    | COMMENT:ALSO CHANGE CAT DATA |             |                   |                |                  |                  |                  |                  |                  |                            |                   |                  |                  |
| PHYS 545             | CONTEMPORARY OPTICS<br>Contemporary Optics                 | AUT/1979 - | AUT/9999 | 4.0                | .                            | .           | .                 | .              | .                | .                | .                | .                | .                | .                          | .                 | .                | .                |
|                      |                                                            |            |          |                    | LAST UPDT: 0/00/00           |             | APPROVED: 6/01/79 |                |                  |                  |                  |                  |                  |                            |                   |                  |                  |
| PHYS 546             | CONDNSD MATTER PHYS<br>Condensed-Matter Physics            | WIN/1999 - | AUT/9999 | 4.0                | .                            | .           | .                 | .              | .                | .                | .                | .                | .                | .                          | .                 | .                | .                |
|                      |                                                            |            |          |                    | LAST UPDT: 6/25/98           |             | APPROVED:10/01/79 |                |                  |                  |                  |                  |                  |                            |                   |                  |                  |
|                      |                                                            |            |          |                    | COMMENT:CHANGE CAT DATA      |             |                   |                |                  |                  |                  |                  |                  |                            |                   |                  |                  |
| PHYS 547             | RESEARCH ELECTRNICS<br>Electronics for Physics Research    | SPR/1980 - | AUT/9999 | 4.0                | .                            | .           | .                 | .              | .                | .                | .                | .                | .                | .                          | .                 | .                | .                |
|                      |                                                            |            |          |                    | LAST UPDT: 0/00/00           |             | APPROVED:10/01/79 |                |                  |                  |                  |                  |                  |                            |                   |                  |                  |
| PHYS 549             | LOW TEMP PHYSICS<br>Low-Temperature Physics and Cryogenics | SPR/1982 - | AUT/9999 | 4.0                | .                            | .           | .                 | .              | .                | .                | .                | .                | .                | .                          | .                 | .                | .                |
|                      |                                                            |            |          |                    | LAST UPDT: 0/00/00           |             | APPROVED: 6/01/81 |                |                  |                  |                  |                  |                  |                            |                   |                  |                  |
| PHYS 550             | ATOMIC PHYSICS<br>Atomic Physics                           | WIN/1973 - | AUT/9999 | 3.0                | .                            | .           | .                 | .              | .                | .                | .                | .                | .                | .                          | .                 | .                | .                |
|                      |                                                            |            |          |                    | LAST UPDT: 9/06/06           |             |                   |                |                  |                  |                  |                  |                  |                            |                   |                  |                  |
| PHYS 551             | ATOMIC PHYSICS<br>Atomic Physics                           | SPR/1973 - | AUT/9999 | 3.0                | .                            | .           | .                 | .              | .                | .                | .                | .                | .                | .                          | .                 | .                | .                |
|                      |                                                            |            |          |                    | LAST UPDT: 9/06/06           |             | APPROVED: 8/31/72 |                |                  |                  |                  |                  |                  |                            |                   |                  |                  |
| PHYS 552             | COSMIC RAY PHYSICS<br>Introduction to Cosmic Ray Physics   | SUM/1997 - | AUT/9999 | 3.0                | .                            | CR/NC       | .                 | .              | .                | .                | .                | .                | .                | .                          | .                 | .                | .                |
|                      |                                                            |            |          |                    | LAST UPDT: 9/06/06           |             | APPROVED: 1/21/71 |                |                  |                  |                  |                  |                  |                            |                   |                  |                  |
| PHYS 554             | NUCLEAR ASTROPHYSIC<br>Nuclear Astrophysics                | AUT/1998 - | AUT/9999 | 3.0                | .                            | .           | .                 | .              | .                | .                | .                | .                | .                | .                          | PHYS 554 ASTR     | 510              | .                |
|                      |                                                            |            |          |                    | LAST UPDT: 2/27/98           |             | APPROVED: 2/25/98 |                |                  |                  |                  |                  |                  |                            |                   |                  |                  |

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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 & S | E E<br>L C<br>N C<br>W T | W<br>R<br>Q T<br>S N<br>P R G | RESPONS<br>COURSE | JOINT<br>COURSES | O<br>M<br>I<br>T |
|----------------------|------------------------------------------------------------|------------|----------|--------------------|----------------------------------------|-----------------|----------------|-------------------------|-------------------|--------------------------|-------------------------------|-------------------|------------------|------------------|
| PHYS 555             | COSMOL/PART ASTRPHY<br>Cosmology and Particle Astrophysics | SPR/2009 - | AUT/9999 | 3.0                | .                                      | .               | .              | .                       | .                 | .                        | .                             | .                 | .                | .                |
|                      |                                                            |            |          |                    | LAST UPDT: 5/19/08                     |                 |                |                         |                   |                          |                               |                   |                  |                  |
|                      |                                                            |            |          |                    | COMMENT:DROP JOINT STATUS              |                 |                |                         |                   |                          |                               |                   |                  |                  |
| PHYS 557             | HIGH ENERGY PHYSICS<br>High Energy Physics                 | AUT/1998 - | AUT/9999 | 3.0                | .                                      | .               | .              | .                       | .                 | .                        | .                             | .                 | .                | .                |
|                      |                                                            |            |          |                    | LAST UPDT: 2/27/98 APPROVED: 5/01/71   |                 |                |                         |                   |                          |                               |                   |                  |                  |
|                      |                                                            |            |          |                    | COMMENT:CHANGE DESCRIPTION             |                 |                |                         |                   |                          |                               |                   |                  |                  |
| PHYS 558             | HIGH ENERGY PHYSICS<br>High Energy Physics                 | AUT/1998 - | AUT/9999 | 3.0                | .                                      | .               | .              | .                       | .                 | .                        | .                             | .                 | .                | .                |
|                      |                                                            |            |          |                    | LAST UPDT: 2/27/98 APPROVED: 5/01/71   |                 |                |                         |                   |                          |                               |                   |                  |                  |
|                      |                                                            |            |          |                    | COMMENT:CHANGE DESCRIPTION             |                 |                |                         |                   |                          |                               |                   |                  |                  |
| PHYS 559             | HIGH ENERGY PHYSICS<br>High Energy Physics                 | AUT/1998 - | AUT/9999 | 3.0                | .                                      | .               | .              | .                       | .                 | .                        | .                             | .                 | .                | .                |
|                      |                                                            |            |          |                    | LAST UPDT: 2/27/98 APPROVED: 5/01/71   |                 |                |                         |                   |                          |                               |                   |                  |                  |
|                      |                                                            |            |          |                    | COMMENT:CHANGE DESCRIPTION             |                 |                |                         |                   |                          |                               |                   |                  |                  |
| PHYS 560             | THRTCL NUCLEAR PHYS<br>Theoretical Nuclear Physics         | AUT/1975 - | AUT/9999 | 3.0                | .                                      | .               | .              | .                       | .                 | .                        | .                             | .                 | .                | .                |
|                      |                                                            |            |          |                    | LAST UPDT: 0/00/00                     |                 |                |                         |                   |                          |                               |                   |                  |                  |
| PHYS 561             | THRTCL NUCLEAR PHYS<br>Theoretical Nuclear Physics         | WIN/1980 - | AUT/9999 | 3.0                | .                                      | .               | .              | .                       | .                 | .                        | .                             | .                 | .                | .                |
|                      |                                                            |            |          |                    | LAST UPDT: 0/00/00                     |                 |                |                         |                   |                          |                               |                   |                  |                  |
| PHYS 564             | GENERAL RELATIVITY<br>General Relativity                   | WIN/1969 - | AUT/9999 | 3.0                | .                                      | .               | .              | .                       | .                 | .                        | .                             | .                 | .                | .                |
|                      |                                                            |            |          |                    | LAST UPDT: 0/00/00                     |                 |                |                         |                   |                          |                               |                   |                  |                  |
| PHYS 565             | GENERAL RELATIVITY<br>General Relativity                   | SPR/1978 - | AUT/9999 | 3.0                | .                                      | .               | .              | .                       | .                 | .                        | .                             | .                 | .                | .                |
|                      |                                                            |            |          |                    | LAST UPDT: 0/00/00                     |                 |                |                         |                   |                          |                               |                   |                  |                  |
| PHYS 567             | THEORY OF SOLIDS<br>Theory of Solids                       | AUT/1998 - | AUT/9999 | 3.0                | .                                      | .               | .              | .                       | .                 | .                        | .                             | .                 | .                | .                |
|                      |                                                            |            |          |                    | LAST UPDT: 2/27/98 APPROVED: 2/25/98   |                 |                |                         |                   |                          |                               |                   |                  |                  |
|                      |                                                            |            |          |                    | COMMENT:CHANGE PREREQUISITE, DESCRIPTI |                 |                |                         |                   |                          |                               |                   |                  |                  |
| PHYS 568             | THEORY OF SOLIDS<br>Theory of Solids                       | AUT/1998 - | AUT/9999 | 3.0                | .                                      | .               | .              | .                       | .                 | .                        | .                             | .                 | .                | .                |
|                      |                                                            |            |          |                    | LAST UPDT: 2/27/98 APPROVED: 2/25/98   |                 |                |                         |                   |                          |                               |                   |                  |                  |
|                      |                                                            |            |          |                    | COMMENT:CHANGE PREREQUISITE, DESCRIPTI |                 |                |                         |                   |                          |                               |                   |                  |                  |

DATE: 07-07-2014  
TIME: 20:10:05

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DEPARTMENT: PHYSICS

| 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 C Q<br>T P R G | W<br>R<br>S N | RESPONS<br>COURSE | JOINT<br>COURSES | O<br>M<br>I<br>T |
|---------------------------------------|------------------------------------------------------------------|------------|----------|--------------------|--------------------------------------|-----------------|----------------|-------------------------|----------------------------|-------------------------|---------------|-------------------|------------------|------------------|
| PHYS 569                              | THEORY OF SOLIDS<br>THEORY OF SOLIDS                             | AUT/1998 - | AUT/9999 | 3.0                | .                                    | .               | .              | .                       | .                          | .                       | .             | .                 | .                | .                |
| COMMENT:CHANGE PREREQUISITE,DESCRIPTI |                                                                  |            |          |                    | LAST UPDT: 2/27/98 APPROVED: 2/25/98 |                 |                |                         |                            |                         |               |                   |                  |                  |
| PHYS 570                              | QUANTUM FLD THEORY<br>Quantum Field Theory                       | AUT/2006 - | AUT/9999 | 3.0                | .                                    | .               | .              | .                       | .                          | .                       | .             | .                 | .                | .                |
| COMMENT:CHG GRADING, DESC             |                                                                  |            |          |                    | LAST UPDT:12/20/06                   |                 |                |                         |                            |                         |               |                   |                  |                  |
| PHYS 571                              | QUANTUM FIELD THRY<br>Quantum Field Theory                       | AUT/2006 - | AUT/9999 | 3.0                | .                                    | .               | .              | .                       | .                          | .                       | .             | .                 | .                | .                |
| COMMENT:CHG GRADING, DESC             |                                                                  |            |          |                    | LAST UPDT:12/20/06                   |                 |                |                         |                            |                         |               |                   |                  |                  |
| PHYS 572                              | MOD QUANT FIELD THY<br>Modern Quantum Field Theory               | WIN/2003 - | AUT/9999 | 3.0                | .                                    | CR/NC           | .              | .                       | .                          | .                       | .             | .                 | .                | .                |
| COMMENT:CHG GRADING BACK TO CR/NC     |                                                                  |            |          |                    | LAST UPDT:10/03/02 APPROVED: 9/01/86 |                 |                |                         |                            |                         |               |                   |                  |                  |
| PHYS 575                              | SEL TPCS APPL PHYS<br>Selected Topics in Applications of Physics | WIN/1999 - | AUT/9999 | 0.0                | 30.0                                 | Y               | .              | .                       | .                          | .                       | .             | .                 | .                | .                |
| LAST UPDT: 6/24/98 APPROVED: 6/23/98  |                                                                  |            |          |                    |                                      |                 |                |                         |                            |                         |               |                   |                  |                  |
| PHYS 576                              | SEL TPC EXPRMTL PHY<br>Selected Topics in Experimental Physics   | WIN/2001 - | AUT/9999 | 0.0                | 30.0                                 | .               | .              | .                       | .                          | .                       | .             | .                 | .                | .                |
| COMMENT:CHG GRADING SYSTEM            |                                                                  |            |          |                    | LAST UPDT: 3/29/00                   |                 |                |                         |                            |                         |               |                   |                  |                  |
| PHYS 578                              | SEL TPC THRTCL PHYS<br>Selected Topics in Theoretical Physics    | SPR/2003 - | AUT/9999 | 0.0                | 30.0                                 | .               | CR/NC          | .                       | .                          | .                       | .             | .                 | .                | .                |
| COMMENT:CHG BACK TO CR/NC ONLY        |                                                                  |            |          |                    | LAST UPDT: 1/14/03                   |                 |                |                         |                            |                         |               |                   |                  |                  |
| PHYS 580                              | PHYSICS COLLOQUIUM<br>Physics Colloquium                         | SPR/1994 - | AUT/9999 | 0.0                | 30.0                                 | Y               | CR/NC          | .                       | .                          | .                       | .             | .                 | .                | .                |
| COMMENT:REPLACES PHYS 530             |                                                                  |            |          |                    | LAST UPDT: 2/16/94 APPROVED:12/06/93 |                 |                |                         |                            |                         |               |                   |                  |                  |
| PHYS 581                              | SMNR HGH ENRGY PHYS<br>Seminar in High-Energy Physics            | WIN/2002 - | AUT/9999 | 1.0-03.0           | 20.0                                 | Y               | CR/NC          | .                       | .                          | .                       | .             | .                 | .                | .                |
| COMMENT:CHANGE CREDITS                |                                                                  |            |          |                    | LAST UPDT: 9/25/01 APPROVED:12/06/93 |                 |                |                         |                            |                         |               |                   |                  |                  |

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|---------------------|-------|--------------------|-----------------|--------|-------|------------|-------|---------|-------|----------------|---------------|---|---|---|
| COURSE              |       |                    |                 | OVER D | D     | S H F      | L I   | L       | R     |                |               |   |   |   |
| CURRIC NUM          | TITLE | EFFECTIVE QUARTERS | QUARTER CREDITS | -ALL U | GRD E | HYPH M R E | P & N | E C Q T | M S N | RESPONS COURSE | JOINT COURSES |   |   | I |
|                     |       |                    |                 | MAX P  | SYS D |            | A S W | T P R G |       |                |               |   |   | T |

|      |     |                                                                      |                     |          |                    |                   |  |
|------|-----|----------------------------------------------------------------------|---------------------|----------|--------------------|-------------------|--|
| PHYS | 582 | SEM PARTICLE THEORY<br>Seminar in Particle Theory                    | WIN/2002 - AUT/9999 | 1.0-03.0 | 20.0 Y CR/NC .     | . . . . .         |  |
|      |     | COMMENT:CHANGE CREDITS                                               |                     |          | LAST UPDT: 9/25/01 | APPROVED:12/06/93 |  |
| PHYS | 583 | SEM REL ASTROPHYS<br>Seminar in Relativistic Astrophysics            | WIN/2002 - AUT/9999 | 1.0-03.0 | 20.0 Y CR/NC .     | . . . . .         |  |
|      |     | COMMENT:CHANGE CREDITS                                               |                     |          | LAST UPDT: 9/25/01 | APPROVED:12/06/93 |  |
| PHYS | 584 | SMNR ATOMIC PHYS<br>Seminar in Recent Developments in Atomic Physics | WIN/2004 - AUT/9999 | 1.0-03.0 | 20.0 Y CR/NC .     | . . . . .         |  |
|      |     | COMMENT:CHANGE TITLES                                                |                     |          | LAST UPDT: 8/12/03 | APPROVED:12/06/93 |  |
| PHYS | 585 | SMNR EXP NUC PHYS<br>Seminar in Experimental Nuclear Physics         | WIN/2002 - AUT/9999 | 1.0-03.0 | 20.0 Y CR/NC .     | . . . . .         |  |
|      |     | COMMENT:CHANGE CREDITS                                               |                     |          | LAST UPDT: 9/25/01 | APPROVED:12/06/93 |  |
| PHYS | 586 | SMNR CONDENSED MATT<br>Seminar in Condensed Matter Physics           | WIN/2002 - AUT/9999 | 1.0-03.0 | 20.0 Y CR/NC .     | . . . . .         |  |
|      |     | COMMENT:CHANGE CREDITS                                               |                     |          | LAST UPDT: 9/25/01 | APPROVED:12/01/77 |  |
| PHYS | 587 | SMNR NUCLEAR THEORY<br>Seminar in Nuclear Theory                     | WIN/2002 - AUT/9999 | 1.0-03.0 | 20.0 Y CR/NC .     | . . . . .         |  |
|      |     | COMMENT:CHANGE CREDITS                                               |                     |          | LAST UPDT: 9/25/01 | APPROVED:12/01/77 |  |
| PHYS | 588 | PRTCL ASTROPHYS SEM<br>Particle Astrophysics Seminar                 | WIN/2002 - AUT/9999 | 1.0-03.0 | 20.0 Y CR/NC .     | . . . . .         |  |
|      |     | COMMENT:CHANGE CREDITS                                               |                     |          | LAST UPDT: 9/25/01 | APPROVED:12/01/77 |  |
| PHYS | 589 | SEM PRB PHYSICS ED<br>Seminar in Problems of Physics Education       | WIN/2002 - AUT/9999 | 1.0-03.0 | 20.0 Y CR/NC .     | . . . . .         |  |
|      |     | COMMENT:CHANGE CREDITS                                               |                     |          | LAST UPDT: 9/25/01 | APPROVED:12/01/77 |  |
| PHYS | 590 | SMNR STAT PHYSICS<br>Seminar in Statistical Physics                  | WIN/2002 - AUT/9999 | 1.0-03.0 | 20.0 Y CR/NC .     | . . . . .         |  |
|      |     | COMMENT:CHANGE CREDITS                                               |                     |          | LAST UPDT: 9/25/01 | APPROVED:12/06/93 |  |

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