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| DEPARTMENT: MATHEMATICS     |                                                                       |                     |                 |                           |                 |                   |                         |              |                           |        |                   |                  |                  |  |  |  |
|-----------------------------|-----------------------------------------------------------------------|---------------------|-----------------|---------------------------|-----------------|-------------------|-------------------------|--------------|---------------------------|--------|-------------------|------------------|------------------|--|--|--|
| 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 | E E<br>N C M S<br>W T P R | G<br>G | RESPONS<br>COURSE | JOINT<br>COURSES | O<br>M<br>I<br>T |  |  |  |
| MATH 098                    | INTER ALGEBRA Intermediate Algebra                                    | AUT/2010 - AUT/9999 | 0.0             | .                         | .               | .                 | .                       | .            | .                         | .      |                   |                  | .                |  |  |  |
| COMMENT:CHG MPT SCORES      |                                                                       |                     |                 | LAST UPDT: 2/24/15        |                 | APPROVED: 6/20/96 |                         |              |                           |        |                   |                  |                  |  |  |  |
| MATH 100                    | ALGEBRA Algebra                                                       | SUM/1999 - AUT/9999 | 5.0             | .                         | .               | .                 | .                       | .            | .                         | .      |                   |                  | .                |  |  |  |
| COMMENT:EMAIL PREREQ CHANGE |                                                                       |                     |                 | LAST UPDT: 3/30/99        |                 | APPROVED:10/01/71 |                         |              |                           |        |                   |                  |                  |  |  |  |
| MATH 102                    | ALGEBRA Algebra                                                       | SUM/1999 - AUT/9999 | 5.0             | .                         | .               | .                 | .                       | .            | .                         | .      |                   |                  | .                |  |  |  |
| COMMENT:EMAIL PREREQ CHANGE |                                                                       |                     |                 | LAST UPDT: 3/30/99        |                 | APPROVED:10/01/71 |                         |              |                           |        |                   |                  |                  |  |  |  |
| MATH 103                    | INTRO ELEM FUNCTION Introduction to Elementary Functions              | SUM/1999 - AUT/9999 | 5.0             | .                         | .               | .                 | .                       | .            | .                         | .      |                   |                  | .                |  |  |  |
| COMMENT:EMAIL PREREQ CHANGE |                                                                       |                     |                 | LAST UPDT: 6/28/10        |                 | APPROVED: 2/26/76 |                         |              |                           |        |                   |                  |                  |  |  |  |
| MATH 106                    | INTRO FINITE MATH INTRODUCTION TO FINITE MATHEMATICS                  | AUT/1971 - AUT/9999 | 3.0             | .                         | .               | .                 | .                       | .            | Y                         | .      | .                 | .                | .                |  |  |  |
|                             |                                                                       |                     |                 | LAST UPDT: 8/29/06        |                 | APPROVED: 4/22/71 |                         |              |                           |        |                   |                  |                  |  |  |  |
| MATH 111                    | ALGEBRA WITH APPL Algebra with Applications                           | AUT/2010 - AUT/9999 | 5.0             | .                         | .               | .                 | .                       | .            | Y                         | .      | Y                 | .                | .                |  |  |  |
| COMMENT:CHG MPT SCORES      |                                                                       |                     |                 | LAST UPDT: 5/19/11        |                 | APPROVED: 1/31/91 |                         |              |                           |        |                   |                  |                  |  |  |  |
| MATH 112                    | BUSINESS &ECON CALC Application of Calculus to Business and Economics | WIN/1999 - AUT/9999 | 5.0             | .                         | .               | .                 | .                       | .            | Y                         | .      | Y                 | .                | .                |  |  |  |
| COMMENT:EMAIL PREREQ CHANGE |                                                                       |                     |                 | LAST UPDT: 6/28/10        |                 | APPROVED: 1/31/91 |                         |              |                           |        |                   |                  |                  |  |  |  |
| MATH 120                    | PRECALCULUS Precalculus                                               | AUT/2010 - AUT/9999 | 5.0             | .                         | .               | .                 | .                       | .            | Y                         | .      | .                 | .                | .                |  |  |  |
| COMMENT:UPDATE MPT SCORES   |                                                                       |                     |                 | LAST UPDT: 5/19/11        |                 | APPROVED: 1/28/91 |                         |              |                           |        |                   |                  |                  |  |  |  |
| MATH 124                    | CALC ANALYT GEOM I Calculus with Analytic Geometry I                  | SPR/2015 - AUT/9999 | 5.0             | .                         | .               | .                 | .                       | .            | Y                         | .      | Y                 | .                | .                |  |  |  |
| COMMENT:CHG RPT REG         |                                                                       |                     |                 | LAST UPDT: 1/26/15        |                 | APPROVED: 6/01/89 |                         |              |                           |        |                   |                  |                  |  |  |  |

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DEPARTMENT: MATHEMATICS

| DEPARTMENT: MATHEMATICS |  |  |  |  | OVER D | D | S H F | V | E E | W |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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REPORT: SR21010-R-01 K  
PAGE: 617

| DEPARTMENT: MATHEMATICS |     |                                                            |                     |          |              |                              | O<br>V<br>E<br>R<br>-<br>A<br>L<br>L<br>M<br>A<br>X | D<br>U<br>P<br>S<br>Y<br>S | D<br>E<br>H<br>Y<br>P<br>H | 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>&<br>A<br>S<br>W<br>T<br>P<br>R<br>G | E<br>E<br>C<br>M<br>S<br>N<br>C<br>M<br>S<br>N | R<br>Q<br>T<br>P<br>R<br>G | RESPONS<br>COURSE | JOINT<br>COURSES | M<br>I<br>T |   |
|-------------------------|-----|------------------------------------------------------------|---------------------|----------|--------------|------------------------------|-----------------------------------------------------|----------------------------|----------------------------|-------------------------------------------|----------------------------------------------------------|------------------------------------------------|----------------------------|-------------------|------------------|-------------|---|
| MATH                    | 197 | PROBLEM SOLVING<br>Problem Solving in Mathematics          | AUT/1992 - AUT/9999 | 2.0      | 4.0 Y CR/NC  | .                            | .                                                   | .                          | .                          | .                                         | .                                                        | Y                                              | .                          | .                 | .                | .           | . |
|                         |     |                                                            |                     |          |              | LAST UPDT:                   |                                                     | 3/09/94                    |                            | APPROVED: 6/29/92                         |                                                          |                                                |                            |                   |                  |             |   |
| MATH                    | 198 | SPECIAL TOPICS<br>Special Topics in Mathematics            | AUT/1992 - AUT/9999 | 1.0-05.0 | 15.0 Y CR/NC | .                            | .                                                   | .                          | .                          | .                                         | .                                                        | .                                              | .                          | .                 | .                | .           | . |
|                         |     |                                                            |                     |          |              | LAST UPDT:                   |                                                     | 4/11/94                    |                            | APPROVED: 6/29/92                         |                                                          |                                                |                            |                   |                  |             |   |
| MATH                    | 205 | MATRIX ALGEBRA<br>ELEMENTARY MATRIX ALGEBRA                | WIN/2000 - AUT/9999 | 3.0      | .            | .                            | .                                                   | .                          | .                          | .                                         | .                                                        | Y                                              | .                          | .                 | .                | .           | . |
|                         |     |                                                            |                     |          |              | LAST UPDT:                   |                                                     | 6/28/10                    |                            | APPROVED: 5/01/70                         |                                                          |                                                |                            |                   |                  |             |   |
|                         |     |                                                            |                     |          |              | COMMENT:CHG TITLE            |                                                     |                            |                            |                                           |                                                          |                                                |                            |                   |                  |             |   |
| MATH                    | 300 | MATH REASONING<br>Introduction to Mathematical Reasoning   | SPR/2015 - AUT/9999 | 3.0      | .            | .                            | .                                                   | .                          | .                          | .                                         | .                                                        | Y                                              | .                          | .                 | .                | .           | . |
|                         |     |                                                            |                     |          |              | LAST UPDT:                   |                                                     | 2/12/15                    |                            | APPROVED: 6/01/99                         |                                                          |                                                |                            |                   |                  |             |   |
|                         |     |                                                            |                     |          |              | COMMENT:EMAIL RPT REG        |                                                     |                            |                            |                                           |                                                          |                                                |                            |                   |                  |             |   |
| MATH                    | 301 | ELEM NUMBER THEORY<br>Elementary Number Theory             | WIN/2015 - AUT/2015 | 3.0      | .            | .                            | .                                                   | .                          | .                          | .                                         | .                                                        | Y                                              | .                          | .                 | .                | .           | . |
|                         |     |                                                            |                     |          |              | LAST UPDT:                   |                                                     | 7/23/15                    |                            |                                           |                                                          |                                                |                            |                   |                  |             |   |
|                         |     |                                                            |                     |          |              | COMMENT:EMAIL PREQ CHG       |                                                     |                            |                            |                                           |                                                          |                                                |                            |                   |                  |             |   |
| MATH                    | 301 | ELEM NUMBER THEORY<br>Elementary Number Theory             | WIN/2016 - AUT/9999 | 3.0      | .            | .                            | .                                                   | .                          | .                          | .                                         | .                                                        | Y                                              | .                          | .                 | .                | .           | . |
|                         |     |                                                            |                     |          |              | LAST UPDT:                   |                                                     | 7/23/15                    |                            |                                           |                                                          |                                                |                            |                   |                  |             |   |
| MATH                    | 305 | INTRO TO MATH LOGIC<br>INTRODUCTION TO MATHEMATICAL LOGIC  | WIN/1965 - AUT/9999 | 3.0      | .            | .                            | .                                                   | .                          | .                          | .                                         | .                                                        | Y                                              | .                          | .                 | .                | .           | . |
|                         |     |                                                            |                     |          |              | LAST UPDT:                   |                                                     | 8/29/06                    |                            |                                           |                                                          |                                                |                            |                   |                  |             |   |
| MATH                    | 307 | INTRO TO DIFF EQ<br>Introduction to Differential Equations | AUT/2014 - AUT/9999 | 3.0      | .            | .                            | .                                                   | .                          | .                          | .                                         | .                                                        | Y                                              | .                          | .                 | .                | .           | . |
|                         |     |                                                            |                     |          |              | LAST UPDT:                   |                                                     | 7/29/14                    |                            | APPROVED: 6/01/90                         |                                                          |                                                |                            |                   |                  |             |   |
|                         |     |                                                            |                     |          |              | COMMENT:14-16 PREQ CHG       |                                                     |                            |                            |                                           |                                                          |                                                |                            |                   |                  |             |   |
| MATH                    | 308 | MATRIX ALGEBRA<br>Matrix Algebra with Applications         | AUT/2014 - AUT/9999 | 3.0      | .            | .                            | .                                                   | .                          | .                          | .                                         | .                                                        | Y                                              | .                          | .                 | .                | .           | . |
|                         |     |                                                            |                     |          |              | LAST UPDT:                   |                                                     | 7/29/14                    |                            | APPROVED: 4/28/88                         |                                                          |                                                |                            |                   |                  |             |   |
|                         |     |                                                            |                     |          |              | COMMENT:14-16 DESC, PREQ CHG |                                                     |                            |                            |                                           |                                                          |                                                |                            |                   |                  |             |   |
| MATH                    | 309 | LINEAR ANALYSIS<br>Linear Analysis                         | AUT/2014 - AUT/9999 | 3.0      | .            | .                            | .                                                   | .                          | .                          | .                                         | .                                                        | Y                                              | .                          | .                 | .                | .           | . |
|                         |     |                                                            |                     |          |              | LAST UPDT:                   |                                                     | 7/29/14                    |                            | APPROVED: 6/01/90                         |                                                          |                                                |                            |                   |                  |             |   |
|                         |     |                                                            |                     |          |              | COMMENT:14-16 PREQ CHG       |                                                     |                            |                            |                                           |                                                          |                                                |                            |                   |                  |             |   |

DATE: 10-12-2015  
TIME: 20:10:03

UNIVERSITY OF WASHINGTON STUDENT RECORDS SYSTEM  
DETAILED CURRICULUM REPORT  
Seattle CAMPUS

REPORT: SR21010-R-01 K  
PAGE: 618

COLLEGE : C - Arts & Sciences  
DEPARTMENT: MATHEMATICS

| 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>M S N<br>T P R G | RESPONS<br>COURSE | JOINT<br>COURSES | O<br>M<br>I<br>T |
|------------------------------------|--------------------------------------------------------------|------------|----------|--------------------|--------------------------------------|-----------------|----------------|-------------------------|----------------------------|----------------------------------|-------------------|------------------|------------------|
| MATH 318                           | LINEAR ALGEBRA<br>LINEAR ALGEBRA                             | WIN/2006 - | AUT/9999 | 3.0                | .                                    | .               | .              | .                       | .                          | Y                                | .                 | .                | .                |
| COMMENT:EMAIL PREREQ CHANGE        |                                                              |            |          |                    | LAST UPDT: 6/28/10 APPROVED: 6/01/99 |                 |                |                         |                            |                                  |                   |                  |                  |
| MATH 324                           | ADV MULTIVAR CALC 1<br>Advanced Multivariable Calculus I     | AUT/2008 - | AUT/9999 | 3.0                | .                                    | .               | .              | .                       | .                          | Y                                | .                 | .                | .                |
| COMMENT:CHG DESC PER 08-10 UPDATE  |                                                              |            |          |                    | LAST UPDT: 6/28/10 APPROVED: 7/01/91 |                 |                |                         |                            |                                  |                   |                  |                  |
| MATH 325                           | ADV CALCULUS II<br>ADVANCED CALCULUS II                      | WIN/1993 - | AUT/9999 | 3.0                | .                                    | .               | .              | .                       | .                          | Y                                | .                 | .                | .                |
| COMMENT:CHANGE PREREQUISITES       |                                                              |            |          |                    | LAST UPDT: 8/29/06 APPROVED: 7/01/91 |                 |                |                         |                            |                                  |                   |                  |                  |
| MATH 326                           | ADV MULTIVAR CALC 2<br>Advanced Multivariable Calculus II    | AUT/2014 - | AUT/9999 | 3.0                | .                                    | .               | .              | .                       | .                          | Y                                | .                 | .                | .                |
| COMMENT:14-16 PREQ CHG             |                                                              |            |          |                    | LAST UPDT: 7/29/14 APPROVED: 7/01/91 |                 |                |                         |                            |                                  |                   |                  |                  |
| MATH 327                           | INTRO REAL ANALYS I<br>Introductory Real Analysis I          | WIN/2009 - | AUT/9999 | 3.0                | .                                    | .               | .              | .                       | .                          | Y                                | .                 | .                | .                |
| COMMENT:CHG PREQ DUE TO NUMBER CHG |                                                              |            |          |                    | LAST UPDT: 6/28/10 APPROVED: 9/18/95 |                 |                |                         |                            |                                  |                   |                  |                  |
| MATH 328                           | INTRO REAL ANALYS II<br>Introductory Real Analysis II        | WIN/1996 - | AUT/9999 | 3.0                | .                                    | .               | .              | .                       | .                          | Y                                | .                 | .                | .                |
|                                    |                                                              |            |          |                    | LAST UPDT: 6/28/10 APPROVED: 9/18/95 |                 |                |                         |                            |                                  |                   |                  |                  |
| MATH 334                           | H-ACCEL ADVAN CALC<br>Accelerated [Honors] Advanced Calculus | AUT/2014 - | AUT/9999 | 5.0                | .                                    | .               | .              | .                       | .                          | Y                                | .                 | .                | .                |
| COMMENT:14-16 DESC, PREQ CHG       |                                                              |            |          |                    | LAST UPDT:10/27/14 APPROVED: 6/01/89 |                 |                |                         |                            |                                  |                   |                  |                  |
| MATH 335                           | H-ACCEL ADVAN CALC<br>Accelerated [Honors] Advanced Calculus | AUT/2014 - | AUT/9999 | 5.0                | .                                    | .               | .              | .                       | .                          | Y                                | .                 | .                | .                |
| COMMENT:14-16 DESC CHG             |                                                              |            |          |                    | LAST UPDT:10/27/14 APPROVED: 6/01/89 |                 |                |                         |                            |                                  |                   |                  |                  |
| MATH 336                           | H-ACCEL ADVAN CALC<br>Accelerated [Honors] Advanced Calculus | AUT/2014 - | AUT/9999 | 5.0                | .                                    | .               | .              | .                       | .                          | Y                                | .                 | .                | .                |
| COMMENT:14-16 DESC CHG             |                                                              |            |          |                    | LAST UPDT:10/27/14 APPROVED: 6/01/89 |                 |                |                         |                            |                                  |                   |                  |                  |

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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 |
|----------------------|-------------------------------------------------------------------------|------------|----------|--------------------|----------------------------------------|-----------------|-------------------|-------------------------|----------------------------|-----------------------|-------------------|-------------------|------------------|------------------|
| MATH 340             | ABSTRACT LINER ALG<br>Abstract Linear Algebra                           | SUM/2015 - | AUT/2015 | 3.0                | .                                      | .               | .                 | .                       | .                          | Y                     | .                 | .                 | .                | .                |
|                      |                                                                         |            |          |                    | LAST UPDT: 7/23/15                     |                 | APPROVED: 6/01/89 |                         |                            |                       |                   |                   |                  |                  |
| MATH 340             | ABSTRACT LINER ALG<br>Abstract Linear Algebra                           | WIN/2016 - | AUT/9999 | 3.0                | .                                      | .               | .                 | .                       | .                          | Y                     | .                 | .                 | .                | .                |
|                      |                                                                         |            |          |                    | LAST UPDT: 7/23/15                     |                 | APPROVED: 6/01/89 |                         |                            |                       |                   |                   |                  |                  |
| MATH 354             | MATH ENRICHMENT<br>MATH ENRICHMENT FOR THE SCHOOLS                      | SPR/2002 - | AUT/9999 | 5.0                | .                                      | .               | .                 | .                       | .                          | Y                     | .                 | .                 | .                | .                |
|                      |                                                                         |            |          |                    | LAST UPDT: 6/28/10                     |                 | APPROVED: 2/21/95 |                         |                            |                       |                   |                   |                  |                  |
|                      |                                                                         |            |          |                    | COMMENT:EMAIL PREREQ CHANGE            |                 |                   |                         |                            |                       |                   |                   |                  |                  |
| MATH 355             | MATH ENRICHMENT<br>MATH ENRICHMENT FOR THE SCHOOLS                      | WIN/2000 - | AUT/9999 | 5.0                | .                                      | .               | .                 | .                       | .                          | Y                     | .                 | .                 | .                | .                |
|                      |                                                                         |            |          |                    | LAST UPDT: 6/28/10                     |                 | APPROVED: 2/21/95 |                         |                            |                       |                   |                   |                  |                  |
|                      |                                                                         |            |          |                    | COMMENT:CHG TITLE                      |                 |                   |                         |                            |                       |                   |                   |                  |                  |
| MATH 380             | INTERMEDIATE TOPICS<br>Intermediate Topics in Undergraduate Mathematics | SPR/2010 - | AUT/9999 | 3.0                | 12.0                                   | .               | .                 | .                       | .                          | Y                     | .                 | .                 | .                | .                |
|                      |                                                                         |            |          |                    | LAST UPDT:11/18/09                     |                 | APPROVED:11/17/09 |                         |                            |                       |                   |                   |                  |                  |
| MATH 381             | DISCRETE MATH MODEL<br>Discrete Mathematical Modeling                   | SPR/2015 - | AUT/9999 | 3.0                | .                                      | .               | .                 | .                       | .                          | Y                     | .                 | .                 | .                | .                |
|                      |                                                                         |            |          |                    | LAST UPDT: 2/12/15                     |                 | APPROVED:12/06/93 |                         |                            |                       |                   |                   |                  |                  |
|                      |                                                                         |            |          |                    | COMMENT:EMAIL PRT REG                  |                 |                   |                         |                            |                       |                   |                   |                  |                  |
| MATH 387             | MATH COMPUTER LAB<br>Intermediate Mathematics Computer Laboratory       | AUT/1991 - | AUT/9999 | 1.0-02.0           | 6.0                                    | Y               | CR/NC             | .                       | .                          | Y                     | .                 | .                 | .                | .                |
|                      |                                                                         |            |          |                    | LAST UPDT: 7/29/14                     |                 | APPROVED: 3/22/90 |                         |                            |                       |                   |                   |                  |                  |
|                      |                                                                         |            |          |                    | COMMENT:CHG GRADING                    |                 |                   |                         |                            |                       |                   |                   |                  |                  |
| MATH 390             | STAT MTHDS ENGR SCI<br>Statistical Methods in Engineering and Science   | WIN/2015 - | AUT/9999 | 4.0                | .                                      | .               | .                 | .                       | .                          | Y                     | .                 | .                 | .                | .                |
|                      |                                                                         |            |          |                    | LAST UPDT: 6/04/14                     |                 | APPROVED: 6/01/81 |                         |                            |                       |                   |                   |                  |                  |
|                      |                                                                         |            |          |                    | COMMENT:CHG TITLES                     |                 |                   |                         |                            |                       |                   |                   |                  |                  |
| MATH 394             | PROBABILITY I<br>Probability I                                          | WIN/2004 - | AUT/9999 | 3.0                | .                                      | .               | .                 | .                       | .                          | Y                     | .                 | .                 | .                | .                |
|                      |                                                                         |            |          |                    | LAST UPDT: 6/28/10                     |                 | APPROVED:10/01/79 |                         |                            |                       |                   |                   |                  |                  |
|                      |                                                                         |            |          |                    | COMMENT:EMAIL PREREQ-ENFORCE CANCL REG |                 |                   |                         |                            |                       |                   |                   |                  |                  |

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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 | HYPH | S<br>U<br>M | H<br>N<br>E | F<br>E<br>R | V<br>L<br>I<br>P<br>A | E<br>N<br>C<br>M<br>S<br>N | W<br>R<br>Q<br>T<br>P<br>R<br>G | RESPONS<br>COURSE | JOINT<br>COURSES | O<br>M<br>I<br>T |     |   |
|----------------------------------------|-----|------------------------------------------------------|------------|----------|--------------------|--------------------------------------|-------------|------------|-------------|------|-------------|-------------|-------------|-----------------------|----------------------------|---------------------------------|-------------------|------------------|------------------|-----|---|
| MATH                                   | 395 | PROBABILITY II<br>Probability II                     | SUM/2005 - | AUT/9999 | 3.0                | .                                    | .           | .          | .           | .    | .           | .           | .           | .                     | Y                          | .                               | STAT              | 395              | STAT             | 395 | . |
|                                        |     |                                                      |            |          |                    | LAST UPDT: 6/28/10 APPROVED:10/01/79 |             |            |             |      |             |             |             |                       |                            |                                 |                   |                  |                  |     |   |
| COMMENT:EMAIL PREREQ-ENFORCE CANCL REG |     |                                                      |            |          |                    |                                      |             |            |             |      |             |             |             |                       |                            |                                 |                   |                  |                  |     |   |
| MATH                                   | 396 | PROBABILITY III<br>Probability III                   | WIN/2004 - | AUT/9999 | 3.0                | .                                    | .           | .          | .           | .    | .           | .           | .           | .                     | Y                          | .                               | MATH              | 396              | STAT             | 396 | . |
|                                        |     |                                                      |            |          |                    | LAST UPDT: 3/24/15 APPROVED: 4/01/69 |             |            |             |      |             |             |             |                       |                            |                                 |                   |                  |                  |     |   |
| MATH                                   | 398 | SPECIAL TOPICS<br>Special Topics in Mathematics      | AUT/1992 - | AUT/9999 | 1.0-05.0           | 15.0                                 | Y           | CR/NC      | .           | .    | .           | .           | .           | .                     | .                          | .                               |                   |                  |                  |     | . |
|                                        |     |                                                      |            |          |                    | LAST UPDT: 4/11/94 APPROVED: 6/29/92 |             |            |             |      |             |             |             |                       |                            |                                 |                   |                  |                  |     |   |
| MATH                                   | 402 | INTRO MDRN ALGEBRA<br>Introduction to Modern Algebra | WIN/2006 - | AUT/9999 | 3.0                | .                                    | .           | .          | .           | .    | .           | .           | .           | .                     | Y                          | .                               |                   |                  |                  |     | . |
|                                        |     |                                                      |            |          |                    | LAST UPDT: 6/28/10                   |             |            |             |      |             |             |             |                       |                            |                                 |                   |                  |                  |     |   |
| COMMENT:CHANGE COURSE DESCRIPTION      |     |                                                      |            |          |                    |                                      |             |            |             |      |             |             |             |                       |                            |                                 |                   |                  |                  |     |   |
| MATH                                   | 403 | INTRO MDRN ALGEBRA<br>Introduction to Modern Algebra | WIN/2006 - | AUT/9999 | 3.0                | .                                    | .           | .          | .           | .    | .           | .           | .           | .                     | Y                          | .                               |                   |                  |                  |     | . |
|                                        |     |                                                      |            |          |                    | LAST UPDT: 6/28/10                   |             |            |             |      |             |             |             |                       |                            |                                 |                   |                  |                  |     |   |
| COMMENT:CHANGE COURSE DESCRIPTION      |     |                                                      |            |          |                    |                                      |             |            |             |      |             |             |             |                       |                            |                                 |                   |                  |                  |     |   |
| MATH                                   | 404 | INTRO MDRN ALGEBRA<br>Introduction to Modern Algebra | WIN/2006 - | AUT/9999 | 3.0                | .                                    | .           | .          | .           | .    | .           | .           | .           | .                     | Y                          | .                               |                   |                  |                  |     | . |
|                                        |     |                                                      |            |          |                    | LAST UPDT: 6/28/10                   |             |            |             |      |             |             |             |                       |                            |                                 |                   |                  |                  |     |   |
| COMMENT:CHANGE COURSE DESCRIPTION      |     |                                                      |            |          |                    |                                      |             |            |             |      |             |             |             |                       |                            |                                 |                   |                  |                  |     |   |
| MATH                                   | 405 | METAMATHEMATICS<br>LOGIC AND METAMATHEMATICS         | AUT/1984 - | AUT/9999 | 3.0                | .                                    | .           | .          | .           | .    | .           | .           | .           | .                     | Y                          | .                               |                   |                  |                  |     | . |
|                                        |     |                                                      |            |          |                    | LAST UPDT: 8/29/06                   |             |            |             |      |             |             |             |                       |                            |                                 |                   |                  |                  |     |   |
| MATH                                   | 406 | ELEM SET THEORY<br>ELEMENTARY SET THEORY             | AUT/1984 - | AUT/9999 | 3.0                | .                                    | .           | .          | .           | .    | .           | .           | .           | .                     | Y                          | .                               |                   |                  |                  |     | . |
|                                        |     |                                                      |            |          |                    | LAST UPDT: 8/29/06 APPROVED:12/15/83 |             |            |             |      |             |             |             |                       |                            |                                 |                   |                  |                  |     |   |
| COMMENT:WAS MATH 400                   |     |                                                      |            |          |                    |                                      |             |            |             |      |             |             |             |                       |                            |                                 |                   |                  |                  |     |   |
| MATH                                   | 407 | LINEAR OPTIMIZATION<br>Linear Optimization           | AUT/2014 - | AUT/9999 | 3.0                | .                                    | .           | .          | .           | .    | .           | .           | .           | .                     | Y                          | .                               |                   |                  |                  |     | . |
|                                        |     |                                                      |            |          |                    | LAST UPDT: 7/29/14                   |             |            |             |      |             |             |             |                       |                            |                                 |                   |                  |                  |     |   |
| COMMENT:14-16 PREQ CHG                 |     |                                                      |            |          |                    |                                      |             |            |             |      |             |             |             |                       |                            |                                 |                   |                  |                  |     |   |

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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 |
|----------------------------------------|--------------------------------------------------------------------|------------|----------|--------------------|--------------------------------------|-----------------|----------------|-------------------------|----------------------------|-----------------------|-------------|-------------------|------------------|------------------|
| MATH 408                               | NONLINEAR OPTIMZTN<br>Nonlinear Optimization                       | WIN/2015 - | AUT/9999 | 3.0                | .                                    | .               | .              | .                       | .                          | Y                     | .           | .                 | .                | .                |
| COMMENT:14-16 PREQ CHG                 |                                                                    |            |          |                    | LAST UPDT: 8/13/14 APPROVED: 9/01/86 |                 |                |                         |                            |                       |             |                   |                  |                  |
| MATH 409                               | DISCRETE OPTIMIZATN<br>Discrete Optimization                       | SPR/2015 - | AUT/9999 | 3.0                | .                                    | .               | .              | .                       | .                          | Y                     | .           | .                 | .                | .                |
| COMMENT:EMAIL RPT REG                  |                                                                    |            |          |                    | LAST UPDT: 2/12/15 APPROVED:10/01/89 |                 |                |                         |                            |                       |             |                   |                  |                  |
| MATH 411                               | INTRO MDRN ALG-TCHR<br>Introduction to Modern Algebra for Teachers | AUT/2011 - | AUT/9999 | 3.0                | .                                    | .               | .              | .                       | .                          | Y                     | .           | .                 | .                | .                |
| COMMENT:EMAIL PREQ CHG                 |                                                                    |            |          |                    | LAST UPDT: 3/30/11 APPROVED:12/06/93 |                 |                |                         |                            |                       |             |                   |                  |                  |
| MATH 412                               | INTRO MDRN ALG-TCHR<br>Introduction to Modern Algebra for Teachers | WIN/2004 - | AUT/9999 | 3.0                | .                                    | .               | .              | .                       | .                          | Y                     | .           | .                 | .                | .                |
| COMMENT:EMAIL PREREQ-ENFORCE CANCL REG |                                                                    |            |          |                    | LAST UPDT: 6/28/10 APPROVED:12/06/93 |                 |                |                         |                            |                       |             |                   |                  |                  |
| MATH 414                               | NUMBER THEORY<br>Number Theory                                     | SPR/2000 - | AUT/9999 | 3.0                | .                                    | .               | .              | .                       | .                          | Y                     | .           | .                 | .                | .                |
| COMMENT:EMAIL PREREQ CHANGE            |                                                                    |            |          |                    | LAST UPDT: 7/29/14 APPROVED:12/01/76 |                 |                |                         |                            |                       |             |                   |                  |                  |
| MATH 415                               | NUMBER THEORY<br>Number Theory                                     | SPR/1978 - | AUT/9999 | 3.0                | .                                    | .               | .              | .                       | .                          | Y                     | .           | .                 | .                | .                |
|                                        |                                                                    |            |          |                    | LAST UPDT: 7/29/14 APPROVED:12/01/76 |                 |                |                         |                            |                       |             |                   |                  |                  |
| MATH 420                               | HISTORY OF MATH<br>History of Mathematics                          | SUM/2007 - | AUT/9999 | 3.0                | .                                    | .               | .              | .                       | .                          | Y                     | .           | .                 | .                | .                |
| COMMENT:EMAIL PREQ CHG                 |                                                                    |            |          |                    | LAST UPDT: 6/28/10 APPROVED: 5/01/70 |                 |                |                         |                            |                       |             |                   |                  |                  |
| MATH 421                               | CALC FOR TEACHERS<br>Conceptual Calculus for Teachers              | WIN/2009 - | AUT/9999 | 3.0                | .                                    | .               | 12             | .                       | .                          | Y                     | .           | .                 | .                | .                |
| COMMENT:CHG CREDITS                    |                                                                    |            |          |                    | LAST UPDT: 7/29/14 APPROVED:12/21/01 |                 |                |                         |                            |                       |             |                   |                  |                  |
| MATH 422                               | CALC FOR TEACHERS<br>Conceptual Calculus for Teachers              | SPR/2010 - | AUT/9999 | 3.0                | .                                    | .               | 22             | .                       | .                          | Y                     | .           | .                 | .                | .                |
| COMMENT:EMAIL PREQ CHG                 |                                                                    |            |          |                    | LAST UPDT: 7/29/14 APPROVED:12/21/01 |                 |                |                         |                            |                       |             |                   |                  |                  |

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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 |
|-----------------------------------|-----------------------------------------------------------------------|------------|----------|--------------------|--------------------------------------|-----------------|----------------|-------------------------|----------------------------|-----------------------|-------------|-------------------|------------------|------------------|
| MATH 424                          | FUND CONCEPTS ANLYS<br>Fundamental Concepts of Analysis               | WIN/2006 - | AUT/9999 | 3.0                | .                                    | .               | .              | .                       | .                          | Y                     | .           | .                 | .                | .                |
|                                   |                                                                       |            |          |                    | LAST UPDT: 6/28/10                   |                 |                |                         |                            |                       |             |                   |                  |                  |
| COMMENT:CHANGE COURSE DESCRIPTION |                                                                       |            |          |                    |                                      |                 |                |                         |                            |                       |             |                   |                  |                  |
| MATH 425                          | FUND CONCEPTS ANLYS<br>Fundamental Concepts of Analysis               | AUT/2014 - | AUT/9999 | 3.0                | .                                    | .               | .              | .                       | .                          | Y                     | .           | .                 | .                | .                |
|                                   |                                                                       |            |          |                    | LAST UPDT: 4/07/14                   |                 |                |                         |                            |                       |             |                   |                  |                  |
| COMMENT:EMAIL PREQ CHG            |                                                                       |            |          |                    |                                      |                 |                |                         |                            |                       |             |                   |                  |                  |
| MATH 426                          | FUND CONCEPTS ANLYS<br>Fundamental Concepts of Analysis               | WIN/2006 - | AUT/9999 | 3.0                | .                                    | .               | .              | .                       | .                          | Y                     | .           | .                 | .                | .                |
|                                   |                                                                       |            |          |                    | LAST UPDT: 6/28/10                   |                 |                |                         |                            |                       |             |                   |                  |                  |
| COMMENT:CHANGE COURSE DESCRIPTION |                                                                       |            |          |                    |                                      |                 |                |                         |                            |                       |             |                   |                  |                  |
| MATH 427                          | COMPLEX ANALYSIS<br>Complex Analysis                                  | AUT/2007 - | AUT/9999 | 3.0                | .                                    | .               | .              | .                       | .                          | Y                     | .           | .                 | .                | .                |
|                                   |                                                                       |            |          |                    | LAST UPDT: 6/28/10                   |                 |                |                         |                            |                       |             |                   |                  |                  |
| COMMENT:CHG TITLES, DESC          |                                                                       |            |          |                    |                                      |                 |                |                         |                            |                       |             |                   |                  |                  |
| MATH 428                          | COMPLEX ANALYSIS<br>Complex Analysis                                  | AUT/2007 - | AUT/9999 | 3.0                | .                                    | .               | .              | .                       | .                          | Y                     | .           | .                 | .                | .                |
|                                   |                                                                       |            |          |                    | LAST UPDT: 6/28/10                   |                 |                |                         |                            |                       |             |                   |                  |                  |
| COMMENT:CHG TITLES, DESC, PREQ    |                                                                       |            |          |                    |                                      |                 |                |                         |                            |                       |             |                   |                  |                  |
| MATH 429                          | COMPLEX ANALYSIS<br>COMPLEX ANALYSIS                                  | AUT/2007 - | AUT/9999 | 3.0                | .                                    | .               | .              | .                       | .                          | Y                     | .           | .                 | .                | .                |
|                                   |                                                                       |            |          |                    | LAST UPDT: 6/28/10                   |                 |                |                         |                            |                       |             |                   |                  |                  |
| COMMENT:CHG TITLES, DESC, PREQ    |                                                                       |            |          |                    |                                      |                 |                |                         |                            |                       |             |                   |                  |                  |
| MATH 435                          | DYNAMICAL SYSTEMS<br>Introduction to Dynamical Systems                | SPR/1999 - | AUT/9999 | 3.0                | .                                    | .               | .              | .                       | .                          | Y                     | .           | .                 | .                | .                |
|                                   |                                                                       |            |          |                    | LAST UPDT: 7/29/14 APPROVED:12/06/93 |                 |                |                         |                            |                       |             |                   |                  |                  |
| COMMENT:EMAIL PREREQ CHANGE       |                                                                       |            |          |                    |                                      |                 |                |                         |                            |                       |             |                   |                  |                  |
| MATH 436                          | DYNAMICAL SYSTEMS<br>Introduction to Dynamical Systems                | WIN/1996 - | AUT/9999 | 3.0                | .                                    | .               | .              | .                       | .                          | Y                     | .           | .                 | .                | .                |
|                                   |                                                                       |            |          |                    | LAST UPDT: 7/29/14 APPROVED:12/06/93 |                 |                |                         |                            |                       |             |                   |                  |                  |
| COMMENT:CONVERSION TO PERMANENT   |                                                                       |            |          |                    |                                      |                 |                |                         |                            |                       |             |                   |                  |                  |
| MATH 438                          | INTRO PARTL DIFF EQ<br>INTRODUCTION TO PARTIAL DIFFERENTIAL EQUATIONS | AUT/1982 - | AUT/9999 | 3.0                | .                                    | .               | .              | .                       | .                          | Y                     | .           | .                 | .                | .                |
|                                   |                                                                       |            |          |                    | LAST UPDT: 6/28/10 APPROVED: 6/01/82 |                 |                |                         |                            |                       |             |                   |                  |                  |

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DEPARTMENT: MATHEMATICS

| 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 |
|----------------------|-----------------------------------------------------------------------|---------------------|----------|--------------------|----------------------------------------|-----------------|----------------|-------------------------|----------------------------|-----------------------|-------------|-------------------|------------------|------------------|
| MATH 439             | INTRO PARTL DIFF EQ<br>INTRODUCTION TO PARTIAL DIFFERENTIAL EQUATIONS | WIN/1987 - AUT/9999 | 3.0      |                    | .                                      | .               | .              | .                       | .                          | Y                     | .           | .                 | .                | .                |
|                      |                                                                       |                     |          |                    | LAST UPDT: 6/28/10 APPROVED: 9/18/86   |                 |                |                         |                            |                       |             |                   |                  |                  |
| MATH 441             | TOPOLOGY<br>Topology                                                  | WIN/2004 - AUT/9999 | 3.0      |                    | .                                      | .               | .              | .                       | .                          | Y                     | .           | .                 | .                | .                |
|                      |                                                                       |                     |          |                    | LAST UPDT: 6/28/10                     |                 |                |                         |                            |                       |             |                   |                  |                  |
|                      |                                                                       |                     |          |                    | COMMENT:EMAIL PREREQ-ENFORCE CANCL REG |                 |                |                         |                            |                       |             |                   |                  |                  |
| MATH 442             | DIFFERENTIAL GEOMETR<br>Differential Geometry                         | WIN/2015 - AUT/9999 | 3.0      |                    | .                                      | .               | .              | .                       | .                          | Y                     | .           | .                 | .                | .                |
|                      |                                                                       |                     |          |                    | LAST UPDT: 6/04/14                     |                 |                |                         |                            |                       |             |                   |                  |                  |
|                      |                                                                       |                     |          |                    | COMMENT:CHG TITLES, PREQ               |                 |                |                         |                            |                       |             |                   |                  |                  |
| MATH 443             | DIFFERENTIAL GEOMETR<br>Differential Geometry                         | WIN/2015 - AUT/9999 | 3.0      |                    | .                                      | .               | .              | .                       | .                          | Y                     | .           | .                 | .                | .                |
|                      |                                                                       |                     |          |                    | LAST UPDT: 1/29/15                     |                 |                |                         |                            |                       |             |                   |                  |                  |
|                      |                                                                       |                     |          |                    | COMMENT:CHG TITLES, DESC               |                 |                |                         |                            |                       |             |                   |                  |                  |
| MATH 444             | GEOMTRY FOR TEACHRS<br>Geometry for Teachers                          | AUT/2014 - AUT/9999 | 3.0      |                    | .                                      | .               | .              | .                       | .                          | Y                     | .           | .                 | .                | .                |
|                      |                                                                       |                     |          |                    | LAST UPDT: 7/29/14                     |                 |                |                         |                            |                       |             |                   |                  |                  |
|                      |                                                                       |                     |          |                    | COMMENT:14-16 PREQ CHG                 |                 |                |                         |                            |                       |             |                   |                  |                  |
| MATH 445             | GEOMTRY FOR TEACHRS<br>Geometry for Teachers                          | WIN/2004 - AUT/9999 | 3.0      |                    | .                                      | .               | .              | .                       | .                          | Y                     | .           | .                 | .                | .                |
|                      |                                                                       |                     |          |                    | LAST UPDT: 6/28/10                     |                 |                |                         |                            |                       |             |                   |                  |                  |
|                      |                                                                       |                     |          |                    | COMMENT:EMAIL PREREQ-ENFORCE CANCL REG |                 |                |                         |                            |                       |             |                   |                  |                  |
| MATH 461             | COMBINATORIAL THEOR<br>Combinatorial Theory                           | AUT/2015 - AUT/2015 | 3.0      |                    | .                                      | .               | .              | .                       | .                          | Y                     | .           | .                 | .                | .                |
|                      |                                                                       |                     |          |                    | LAST UPDT: 7/23/15 APPROVED: 5/01/82   |                 |                |                         |                            |                       |             |                   |                  |                  |
| MATH 461             | COMBINATORIAL THEOR<br>Combinatorial Theory                           | WIN/2016 - AUT/9999 | 3.0      |                    | .                                      | .               | .              | .                       | .                          | Y                     | .           | .                 | .                | .                |
|                      |                                                                       |                     |          |                    | LAST UPDT: 7/23/15 APPROVED: 5/01/82   |                 |                |                         |                            |                       |             |                   |                  |                  |
| MATH 462             | COMBINATORIAL THEOR<br>Combinatorial Theory                           | WIN/2004 - AUT/9999 | 3.0      |                    | .                                      | .               | .              | .                       | .                          | Y                     | .           | .                 | .                | .                |
|                      |                                                                       |                     |          |                    | LAST UPDT: 6/28/10 APPROVED: 5/01/82   |                 |                |                         |                            |                       |             |                   |                  |                  |
|                      |                                                                       |                     |          |                    | COMMENT:EMAIL PREREQ-ENFORCE CANCL REG |                 |                |                         |                            |                       |             |                   |                  |                  |

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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 |
|--------------------------------------|--------------------------------------------------------------------|---------------------|----------|--------------------|--------------------------------------|-----------------|----------------|-------------------------|----------------------------|-----------------------|-------------|-------------------|------------------|------------------|
| MATH 464                             | NUMERICAL ANLYS I<br>Numerical Analysis I                          | AUT/2008 - AUT/9999 | 3.0      |                    | .                                    | .               | .              | .                       | .                          | Y                     | .           |                   |                  | .                |
| COMMENT:PREQ CHG PER 08-10 UPDATE    |                                                                    |                     |          |                    | LAST UPDT: 6/28/10 APPROVED: 4/01/84 |                 |                |                         |                            |                       |             |                   |                  |                  |
| MATH 465                             | NUMERICAL ANLYS II<br>Numerical Analysis II                        | AUT/2008 - AUT/9999 | 3.0      |                    | .                                    | .               | .              | .                       | .                          | Y                     | .           |                   |                  | .                |
| COMMENT:CHG PREQ PER 08-10 UPDATE    |                                                                    |                     |          |                    | LAST UPDT: 6/28/10 APPROVED: 4/01/84 |                 |                |                         |                            |                       |             |                   |                  |                  |
| MATH 466                             | NUMERICAL ANLYS III<br>Numerical Analysis III                      | AUT/2008 - AUT/9999 | 3.0      |                    | .                                    | .               | .              | .                       | .                          | Y                     | .           |                   |                  | .                |
| COMMENT:CHG PREQ PER 08-10 UPDATE    |                                                                    |                     |          |                    | LAST UPDT: 6/28/10 APPROVED: 4/01/84 |                 |                |                         |                            |                       |             |                   |                  |                  |
| MATH 480                             | ADV TOPICS IN MATH<br>Advanced Topics in Undergraduate Mathematics | SPR/2010 - AUT/9999 | 3.0      | 12.0               | .                                    | .               | .              | .                       | .                          | .                     | .           |                   |                  | .                |
| COMMENT:CHG TITLES, DESC             |                                                                    |                     |          |                    | LAST UPDT:10/16/09 APPROVED:10/25/06 |                 |                |                         |                            |                       |             |                   |                  |                  |
| MATH 487                             | MATH COMPUTER LAB<br>Advanced Mathematics Computer Laboratory      | WIN/1992 - AUT/9999 | 1.0-02.0 | 6.0                | Y                                    | CR/NC           | .              | .                       | .                          | Y                     | .           |                   |                  | .                |
| LAST UPDT: 7/29/14 APPROVED: 3/22/90 |                                                                    |                     |          |                    |                                      |                 |                |                         |                            |                       |             |                   |                  |                  |
| MATH 491                             | INTRO STOCHSTC PROC<br>Introduction to Stochastic Processes        | AUT/2006 - AUT/9999 | 3.0      |                    | .                                    | .               | .              | .                       | .                          | Y                     | .           | MATH 491          | STAT 491         | .                |
| COMMENT:EMAIL PREQ CHG               |                                                                    |                     |          |                    | LAST UPDT: 6/28/10 APPROVED:10/01/79 |                 |                |                         |                            |                       |             |                   |                  |                  |
| MATH 492                             | STOCH CALC OPTIONS<br>Stochastic Calculus for Option Pricing       | AUT/2005 - AUT/9999 | 3.0      |                    | .                                    | .               | .              | .                       | .                          | Y                     | .           | MATH 492          | STAT 492         | .                |
| COMMENT:CHG TITLES, PREREQ, DESCRIP  |                                                                    |                     |          |                    | LAST UPDT: 6/28/10 APPROVED:10/01/79 |                 |                |                         |                            |                       |             |                   |                  |                  |
| MATH 495                             | R MATH STATISTICS<br>MATHEMATICAL STATISTICS                       | SUM/1969 - AUT/9999 | 2.0      |                    | .                                    | .               | .              | .                       | .                          | Y                     | .           |                   |                  | .                |
| LAST UPDT: 3/09/94                   |                                                                    |                     |          |                    |                                      |                 |                |                         |                            |                       |             |                   |                  |                  |
| MATH 496                             | HONORS SR THESIS<br>Honors Senior Thesis                           | AUT/1997 - AUT/9999 | 1.0-05.0 |                    | Y                                    | .               | .              | .                       | .                          | Y                     | .           |                   |                  | .                |
| COMMENT:CHANGE DESCRIPTION           |                                                                    |                     |          |                    | LAST UPDT:11/29/06                   |                 |                |                         |                            |                       |             |                   |                  |                  |

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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 |
|----------------------|---------------------------------------------------------------------------|---------------------|----------|--------------------|--------------------------------------|-----------------|----------------|-------------------------|----------------------------|-----------------------|-------------|-------------------|------------------|------------------|
| MATH 497             | SPC TPCS MATH TCHRS<br>Special Topics in Mathematics for Teachers         | SUM/1987 - AUT/9999 | 2.0-09.0 | 9.0 .              | .                                    | .               | .              | .                       | .                          | Y                     | .           | MATH 497          | EDC&I 478        | .                |
|                      |                                                                           |                     |          |                    | LAST UPDT: 7/23/15                   |                 |                |                         |                            |                       |             |                   |                  |                  |
|                      |                                                                           |                     |          |                    | COMMENT:CHG CREDITS                  |                 |                |                         |                            |                       |             |                   |                  |                  |
| MATH 498             | SPEC TOPICS IN MATH<br>Special Topics in Mathematics                      | SUM/1992 - AUT/9999 | 1.0-05.0 | 15.0 Y             | .                                    | .               | .              | .                       | .                          | .                     | .           |                   |                  | .                |
|                      |                                                                           |                     |          |                    | LAST UPDT: 4/11/94 APPROVED: 1/30/92 |                 |                |                         |                            |                       |             |                   |                  |                  |
| MATH 499             | UNDERGRAD RESEARCH<br>Undergraduate Research                              | SUM/1997 - AUT/9999 | 8.0      | .                  | CR/NC                                | .               | .              | .                       | .                          | Y                     | .           |                   |                  | .                |
|                      |                                                                           |                     |          |                    | LAST UPDT: 3/18/97 APPROVED: 3/13/97 |                 |                |                         |                            |                       |             |                   |                  |                  |
| MATH 501             | TEACHING & LEARNING<br>SPECIAL TOPICS IN TEACHING AND LEARNING MATHEMATIC | AUT/1999 - AUT/9999 | 2.0-03.0 | 15.0 .             | .                                    | .               | .              | .                       | .                          | .                     | .           |                   |                  | .                |
|                      |                                                                           |                     |          |                    | LAST UPDT: 6/01/99 APPROVED: 6/01/99 |                 |                |                         |                            |                       |             |                   |                  |                  |
| MATH 502             | TEACHING & LEARNING<br>SPECIAL TOPICS IN TEACHING AND LEARNING MATHEMATIC | AUT/1999 - AUT/9999 | 2.0-03.0 | 15.0 .             | .                                    | .               | .              | .                       | .                          | .                     | .           |                   |                  | .                |
|                      |                                                                           |                     |          |                    | LAST UPDT: 6/01/99 APPROVED: 6/01/99 |                 |                |                         |                            |                       |             |                   |                  |                  |
| MATH 503             | TEACHING & LEARNING<br>SPECIAL TOPICS IN TEACHING AND LEARNING MATHEMATIC | AUT/1999 - AUT/9999 | 2.0-03.0 | 15.0 .             | .                                    | .               | .              | .                       | .                          | .                     | .           |                   |                  | .                |
|                      |                                                                           |                     |          |                    | LAST UPDT: 6/01/99 APPROVED: 6/01/99 |                 |                |                         |                            |                       |             |                   |                  |                  |
| MATH 504             | MODERN ALGEBRA<br>Modern Algebra                                          | SPR/1993 - AUT/9999 | 5.0      | .                  | .                                    | .               | .              | .                       | .                          | .                     | .           |                   |                  | .                |
|                      |                                                                           |                     |          |                    | LAST UPDT:11/19/92 APPROVED:11/06/92 |                 |                |                         |                            |                       |             |                   |                  |                  |
| MATH 505             | MODERN ALGEBRA<br>Modern Algebra                                          | SPR/1993 - AUT/9999 | 5.0      | .                  | .                                    | .               | .              | .                       | .                          | .                     | .           |                   |                  | .                |
|                      |                                                                           |                     |          |                    | LAST UPDT:11/19/92 APPROVED:11/06/92 |                 |                |                         |                            |                       |             |                   |                  |                  |
| MATH 506             | MODERN ALGEBRA<br>Modern Algebra                                          | SPR/1993 - AUT/9999 | 5.0      | .                  | .                                    | .               | .              | .                       | .                          | .                     | .           |                   |                  | .                |
|                      |                                                                           |                     |          |                    | LAST UPDT:11/19/92 APPROVED:11/06/92 |                 |                |                         |                            |                       |             |                   |                  |                  |
| MATH 507             | ALGEBRAIC GEOMETRY<br>Algebraic Geometry                                  | AUT/2001 - SUM/2016 | 3.0      | .                  | .                                    | .               | .              | .                       | .                          | .                     | .           |                   |                  | .                |
|                      |                                                                           |                     |          |                    | LAST UPDT: 9/23/15 APPROVED: 5/21/01 |                 |                |                         |                            |                       |             |                   |                  |                  |
| MATH 508             | ALGEBRAIC GEOMETRY<br>Algebraic Geometry                                  | AUT/2001 - SUM/2016 | 3.0      | .                  | .                                    | .               | .              | .                       | .                          | .                     | .           |                   |                  | .                |
|                      |                                                                           |                     |          |                    | LAST UPDT: 9/23/15 APPROVED: 5/21/01 |                 |                |                         |                            |                       |             |                   |                  |                  |

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| COURSE                    |     | TITLE                                                     | EFFECTIVE QUARTERS  | QUARTER CREDITS | OVER D             | D   | S H F             | V      | E E   | W             | RESPONS   | JOINT     | M |   |
| CURRIC                    | NUM |                                                           |                     |                 | -ALL U             | GRD | E                 | U N E  | L I   | L C Q         |           |           |   | R |
|                           |     |                                                           |                     |                 | MAX                | P   | SYS               | D HYPH | M R E | P & N C M S N | COURSE    | COURSES   |   |   |
| MATH                      | 509 | OPTIMAL CONTROL Theory of Optimal Control                 | SPR/1986 - AUT/9999 | 3.0             | .                  | .   | .                 | .      | .     | .             | MATH 509  | AMATH 509 | . |   |
|                           |     |                                                           |                     |                 | LAST UPDT: 8/29/06 |     | APPROVED: 6/27/85 |        |       |               |           |           |   |   |
| COMMENT:TEMP TO PERM      |     |                                                           |                     |                 |                    |     |                   |        |       |               |           |           |   |   |
| MATH                      | 510 | SEMINAR IN ALGEBRA Seminar in Algebra                     | WIN/1991 - AUT/9999 | 2.0-05.0        | 12.0               | Y   | CR/NC             | .      | .     | .             | .         | .         | . |   |
|                           |     |                                                           |                     |                 | LAST UPDT: 4/25/13 |     | APPROVED:12/10/90 |        |       |               |           |           |   |   |
| COMMENT:RETRO MAX CREDITS |     |                                                           |                     |                 |                    |     |                   |        |       |               |           |           |   |   |
| MATH                      | 514 | NETWORK OPTIMIZIN Networks and Combinatorial Optimization | AUT/2013 - AUT/9999 | 3.0             | .                  | .   | .                 | .      | .     | .             | MATH 514  | AMATH 514 | . |   |
|                           |     |                                                           |                     |                 | LAST UPDT: 8/21/13 |     | APPROVED: 5/30/86 |        |       |               |           |           |   |   |
| COMMENT:CHG DESC, PREQ    |     |                                                           |                     |                 |                    |     |                   |        |       |               |           |           |   |   |
| MATH                      | 515 | FUNDAMNTL OPTIMIZTN Fundamentals of Optimization          | AUT/1999 - AUT/9999 | 5.0             | .                  | .   | .                 | .      | .     | .             | MATH 515  | AMATH 515 | . |   |
|                           |     |                                                           |                     |                 | LAST UPDT:11/03/99 |     | APPROVED: 3/28/94 |        | IND E |               | 515       |           |   |   |
| MATH                      | 516 | NUMERICAL OPTIMIZTN Numerical Optimization                | SPR/1986 - AUT/9999 | 3.0             | .                  | .   | .                 | .      | .     | .             | MATH 516  | AMATH 516 | . |   |
|                           |     |                                                           |                     |                 | LAST UPDT: 8/29/06 |     | APPROVED: 6/27/85 |        |       |               |           |           |   |   |
| COMMENT:TEMP TO PERM      |     |                                                           |                     |                 |                    |     |                   |        |       |               |           |           |   |   |
| MATH                      | 517 | OPTIMIZTN UNCERTNTY Optimization Under Uncertainty        | AUT/1985 - AUT/9999 | 3.0             | .                  | .   | .                 | .      | .     | .             | AMATH 517 | AMATH 517 | . |   |
|                           |     |                                                           |                     |                 | LAST UPDT: 9/06/94 |     | APPROVED: 6/01/85 |        |       |               |           |           |   |   |
| MATH                      | 521 | ADV PROBABILITY Advanced Probability                      | AUT/1980 - AUT/9999 | 3.0             | .                  | .   | .                 | .      | .     | .             | STAT 521  | STAT 521  | . |   |
|                           |     |                                                           |                     |                 | LAST UPDT: 8/29/06 |     |                   |        |       |               |           |           |   |   |
| MATH                      | 522 | ADV PROBABILITY Advanced Probability                      | WIN/1980 - AUT/9999 | 3.0             | .                  | .   | .                 | .      | .     | .             | STAT 522  | STAT 522  | . |   |
|                           |     |                                                           |                     |                 | LAST UPDT: 8/29/06 |     |                   |        |       |               |           |           |   |   |
| MATH                      | 523 | ADV PROBABILITY Advanced Probability                      | SPR/1980 - AUT/9999 | 3.0             | .                  | .   | .                 | .      | .     | .             | STAT 523  | STAT 523  | . |   |
|                           |     |                                                           |                     |                 | LAST UPDT: 8/29/06 |     |                   |        |       |               |           |           |   |   |
| MATH                      | 524 | REAL ANALYSIS Real Analysis                               | AUT/1998 - AUT/9999 | 5.0             | .                  | .   | .                 | .      | .     | .             |           |           | . |   |
|                           |     |                                                           |                     |                 | LAST UPDT: 2/27/98 |     | APPROVED:11/06/92 |        |       |               |           |           |   |   |

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|-----------------------------|--------------------------------------------------|------------|----------|--------------------|---------------------------|------------|-------------------|-------------------------|----------------------------|-----------------------|-------------|-------------------|------------------|------------------|
| MATH 525                    | REAL ANALYSIS<br>Real Analysis                   | AUT/1998 - | AUT/9999 | 5.0                | .                         | .          | .                 | .                       | .                          | .                     | .           | .                 | .                | .                |
|                             |                                                  |            |          |                    | LAST UPDT: 2/27/98        |            | APPROVED:11/06/92 |                         |                            |                       |             |                   |                  |                  |
| MATH 526                    | REAL ANALYSIS<br>Real Analysis                   | AUT/1998 - | AUT/9999 | 5.0                | .                         | .          | .                 | .                       | .                          | .                     | .           | .                 | .                | .                |
|                             |                                                  |            |          |                    | LAST UPDT: 2/27/98        |            | APPROVED:11/06/92 |                         |                            |                       |             |                   |                  |                  |
| MATH 527                    | FUNCTIONAL ANALYSIS<br>Functional Analysis       | WIN/1992 - | AUT/9999 | 3.0                | .                         | .          | .                 | .                       | .                          | .                     | .           | .                 | .                | .                |
| COMMENT:WAS MATH 547        |                                                  |            |          |                    | LAST UPDT: 8/04/06        |            | APPROVED: 7/01/91 |                         |                            |                       |             |                   |                  |                  |
| MATH 528                    | FUNCTIONAL ANALYSIS<br>Functional Analysis       | WIN/1992 - | AUT/9999 | 3.0                | .                         | .          | .                 | .                       | .                          | .                     | .           | .                 | .                | .                |
| COMMENT:PREVIOUSLY MATH 548 |                                                  |            |          |                    | LAST UPDT:12/24/92        |            | APPROVED: 7/01/91 |                         |                            |                       |             |                   |                  |                  |
| MATH 529                    | FUNCTIONAL ANALYSIS<br>Functional Analysis       | WIN/1992 - | AUT/9999 | 3.0                | .                         | .          | .                 | .                       | .                          | .                     | .           | .                 | .                | .                |
| COMMENT:PREVIOUSLY MATH 549 |                                                  |            |          |                    | LAST UPDT:12/24/92        |            | APPROVED: 7/01/91 |                         |                            |                       |             |                   |                  |                  |
| MATH 530                    | SEMINAR IN ANALYSIS<br>Seminar in Analysis       | WIN/1991 - | AUT/9999 | 2.0-05.0           | 12.0 Y                    | CR/NC      | .                 | .                       | .                          | .                     | .           | .                 | .                | .                |
| COMMENT:RETRO MAX CREDITS   |                                                  |            |          |                    | LAST UPDT: 4/25/13        |            | APPROVED:12/10/90 |                         |                            |                       |             |                   |                  |                  |
| MATH 534                    | COMPLEX ANALYSIS<br>Complex Analysis             | AUT/1998 - | AUT/9999 | 5.0                | .                         | .          | .                 | .                       | .                          | .                     | .           | .                 | .                | .                |
|                             |                                                  |            |          |                    | LAST UPDT: 2/27/98        |            | APPROVED:11/06/92 |                         |                            |                       |             |                   |                  |                  |
| MATH 535                    | COMPLEX ANALYSIS<br>Complex Analysis             | AUT/1998 - | AUT/9999 | 5.0                | .                         | .          | .                 | .                       | .                          | .                     | .           | .                 | .                | .                |
|                             |                                                  |            |          |                    | LAST UPDT: 2/27/98        |            | APPROVED:11/06/92 |                         |                            |                       |             |                   |                  |                  |
| MATH 536                    | COMPLEX ANALYSIS<br>Complex Analysis             | AUT/1998 - | AUT/9999 | 5.0                | .                         | .          | .                 | .                       | .                          | .                     | .           | .                 | .                | .                |
|                             |                                                  |            |          |                    | LAST UPDT: 2/27/98        |            | APPROVED:11/06/92 |                         |                            |                       |             |                   |                  |                  |
| MATH 537                    | SEVERAL COMPLEX VAR<br>Several Complex Variables | AUT/1994 - | AUT/9999 | 3.0                | .                         | .          | .                 | .                       | .                          | .                     | .           | .                 | .                | .                |
| COMMENT:REPLACES MATH 554   |                                                  |            |          |                    | LAST UPDT: 7/29/14        |            | APPROVED: 4/01/84 |                         |                            |                       |             |                   |                  |                  |

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| DEPARTMENT: MATHEMATICS |     |                                                              |                     |          |         |      |       |          |   | V         | E        | E | W | O |   |   |   |   |
|-------------------------|-----|--------------------------------------------------------------|---------------------|----------|---------|------|-------|----------|---|-----------|----------|---|---|---|---|---|---|---|
| COURSE                  |     |                                                              |                     |          |         | OVER | D     | D        | S | H         | F        | L | I | E | C | Q | T | M |
| CURRIC                  | NUM | TITLE                                                        | EFFECTIVE           | QUARTERS | QUARTER | -ALL | U     | GRD      | U | NE        | RE       | P | & | N | C | M | S | I |
|                         |     |                                                              |                     |          | CREDITS | MAX  | P     | SYS      | D | HYPH      | M        | A | S | W | T | P | R | T |
| MATH                    | 538 | SEVERAL COMPLEX VAR<br>Several Complex Variables             | AUT/1994 - AUT/9999 | 3.0      |         | .    |       | .        |   | .         | .        | . | . | . | . | . | . | . |
|                         |     | COMMENT:REPLACES MATH 555                                    |                     |          |         | LAST | UPDT: | 7/29/14  |   | APPROVED: | 4/01/84  |   |   |   |   |   |   | . |
| MATH                    | 539 | SEVERAL COMPLEX VAR<br>Several Complex Variables             | AUT/1994 - AUT/9999 | 3.0      |         | .    |       | .        |   | .         | .        | . | . | . | . | . | . | . |
|                         |     | COMMENT:REPLACES MATH 556                                    |                     |          |         | LAST | UPDT: | 7/29/14  |   | APPROVED: | 4/01/84  |   |   |   |   |   |   | . |
| MATH                    | 541 | SPEC TPCS APPL MATH<br>Special Topics in Applied Mathematics | SPR/1985 - AUT/9999 | 2.0-03.0 | 15.0    | Y    |       | .        |   | .         | .        | . | . | . | . | . | . | . |
|                         |     |                                                              |                     |          |         | LAST | UPDT: | 9/17/14  |   |           |          |   |   |   |   |   |   | . |
| MATH                    | 542 | SPEC TPCS APPL MATH<br>Special Topics in Applied Mathematics | SPR/1985 - AUT/9999 | 2.0-03.0 | 15.0    | Y    |       | .        |   | .         | .        | . | . | . | . | . | . | . |
|                         |     |                                                              |                     |          |         | LAST | UPDT: | 9/17/14  |   |           |          |   |   |   |   |   |   | . |
| MATH                    | 543 | SPEC TPCS APPL MATH<br>Special Topics in Applied Mathematics | SPR/1985 - AUT/9999 | 2.0-03.0 | 15.0    | Y    |       | .        |   | .         | .        | . | . | . | . | . | . | . |
|                         |     |                                                              |                     |          |         | LAST | UPDT: | 9/17/14  |   |           |          |   |   |   |   |   |   | . |
| MATH                    | 544 | TOP/GEOM MANIFOLDS<br>Topology and Geometry of Manifolds     | SPR/1993 - AUT/9999 | 5.0      |         | .    |       | .        |   | .         | .        | . | . | . | . | . | . | . |
|                         |     |                                                              |                     |          |         | LAST | UPDT: | 12/24/92 |   | APPROVED: | 11/06/92 |   |   |   |   |   |   | . |
| MATH                    | 545 | DIFFERENTIAL GEOM<br>Topology and Geometry of Manifolds      | SPR/1993 - AUT/9999 | 5.0      |         | .    |       | .        |   | .         | .        | . | . | . | . | . | . | . |
|                         |     |                                                              |                     |          |         | LAST | UPDT: | 11/19/92 |   | APPROVED: | 11/06/92 |   |   |   |   |   |   | . |
| MATH                    | 546 | TOP/GEOM MANIFOLDS<br>Topology and Geometry of Manifolds     | SPR/1993 - AUT/9999 | 5.0      |         | .    |       | .        |   | .         | .        | . | . | . | . | . | . | . |
|                         |     |                                                              |                     |          |         | LAST | UPDT: | 11/19/92 |   | APPROVED: | 11/06/92 |   |   |   |   |   |   | . |
| MATH                    | 547 | GEOMETRIC STRUCTURE<br>Geometric Structures                  | WIN/1992 - AUT/9999 | 3.0      | 9.0     | Y    |       | .        |   | .         | .        | . | . | . | . | . | . | . |
|                         |     |                                                              |                     |          |         | LAST | UPDT: | 12/24/92 |   | APPROVED: | 7/01/91  |   |   |   |   |   |   | . |
| MATH                    | 548 | GEOMETRIC STRUCTURE<br>Geometric Structures                  | WIN/1992 - AUT/9999 | 3.0      | 9.0     | Y    |       | .        |   | .         | .        | . | . | . | . | . | . | . |
|                         |     |                                                              |                     |          |         | LAST | UPDT: | 12/24/92 |   | APPROVED: | 7/01/91  |   |   |   |   |   |   | . |

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| DEPARTMENT: MATHEMATICS                |               |                                                                       |            |          |                    |                     |             |            |             | V         | L                                         | E                | E                          | W                     | O                     |        |                   |                  |             |
|----------------------------------------|---------------|-----------------------------------------------------------------------|------------|----------|--------------------|---------------------|-------------|------------|-------------|-----------|-------------------------------------------|------------------|----------------------------|-----------------------|-----------------------|--------|-------------------|------------------|-------------|
| CURRIC                                 | COURSE<br>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 | HYPH      | S<br>H<br>F<br>U<br>N<br>E<br>M<br>R<br>E | L<br>I<br>P<br>A | I<br>&<br>N<br>C<br>S<br>W | E<br>C<br>M<br>T<br>P | Q<br>S<br>N<br>R<br>G | R<br>T | RESPONS<br>COURSE | JOINT<br>COURSES | M<br>I<br>T |
| MATH                                   | 549           | GEOMETRIC STRUCTURE<br>Geometric Structures                           | WIN/1992 - | AUT/9999 | 3.0                | 9.0                 | Y           | .          | .           | .         | .                                         | .                | .                          | .                     | .                     | .      |                   |                  | .           |
|                                        |               |                                                                       |            |          |                    | LAST UPDT:          |             | 12/24/92   |             | APPROVED: |                                           | 7/01/91          |                            |                       |                       |        |                   |                  |             |
| MATH                                   | 550           | SEMINAR IN GEOM<br>Seminar in Geometry                                | WIN/1991 - | AUT/9999 | 2.0-05.0           | 12.0                | Y           | CR/NC      | .           | .         | .                                         | .                | .                          | .                     | .                     | .      |                   |                  | .           |
|                                        |               |                                                                       |            |          |                    | LAST UPDT:          |             | 4/25/13    |             | APPROVED: |                                           | 12/10/90         |                            |                       |                       |        |                   |                  |             |
| COMMENT:RETRO MAX CREDITS              |               |                                                                       |            |          |                    |                     |             |            |             |           |                                           |                  |                            |                       |                       |        |                   |                  |             |
| MATH                                   | 554           | LINEAR ANALYSIS<br>Linear Analysis                                    | AUT/1996 - | AUT/9999 | 5.0                | .                   | .           | .          | .           | .         | .                                         | .                | .                          | .                     | .                     | .      |                   |                  | .           |
|                                        |               |                                                                       |            |          |                    | LAST UPDT:          |             | 2/27/98    |             | APPROVED: |                                           | 9/19/94          |                            |                       |                       |        |                   |                  |             |
| COMMENT:CONVERSION OF TEMP;SEE CR 281  |               |                                                                       |            |          |                    |                     |             |            |             |           |                                           |                  |                            |                       |                       |        |                   |                  |             |
| MATH                                   | 555           | LINEAR ANALYSIS<br>Linear Analysis                                    | AUT/1996 - | AUT/9999 | 5.0                | .                   | .           | .          | .           | .         | .                                         | .                | .                          | .                     | .                     | .      |                   |                  | .           |
|                                        |               |                                                                       |            |          |                    | LAST UPDT:          |             | 2/27/98    |             | APPROVED: |                                           | 9/19/94          |                            |                       |                       |        |                   |                  |             |
| COMMENT:CONVERSION OF TEMP; SEE CR 281 |               |                                                                       |            |          |                    |                     |             |            |             |           |                                           |                  |                            |                       |                       |        |                   |                  |             |
| MATH                                   | 556           | LINEAR ANALYSIS<br>Linear Analysis                                    | AUT/1996 - | AUT/9999 | 5.0                | .                   | .           | .          | .           | .         | .                                         | .                | .                          | .                     | .                     | .      |                   |                  | .           |
|                                        |               |                                                                       |            |          |                    | LAST UPDT:          |             | 2/27/98    |             | APPROVED: |                                           | 9/19/94          |                            |                       |                       |        |                   |                  |             |
| COMMENT:CONVERSION OF TEMP;SEE CR 281  |               |                                                                       |            |          |                    |                     |             |            |             |           |                                           |                  |                            |                       |                       |        |                   |                  |             |
| MATH                                   | 557           | INTRO PARTL DIFF EQ<br>Introduction to Partial Differential Equations | AUT/2013 - | AUT/9999 | 3.0                | .                   | .           | .          | .           | .         | .                                         | .                | .                          | .                     | .                     | .      |                   |                  | .           |
|                                        |               |                                                                       |            |          |                    | LAST UPDT:          |             | 8/21/13    |             | APPROVED: |                                           | 4/01/87          |                            |                       |                       |        |                   |                  |             |
| COMMENT:CHG DESC                       |               |                                                                       |            |          |                    |                     |             |            |             |           |                                           |                  |                            |                       |                       |        |                   |                  |             |
| MATH                                   | 558           | INTRO PARTL DIFF EQ<br>Introduction to Partial Differential Equations | AUT/2013 - | AUT/9999 | 3.0                | .                   | .           | .          | .           | .         | .                                         | .                | .                          | .                     | .                     | .      |                   |                  | .           |
|                                        |               |                                                                       |            |          |                    | LAST UPDT:          |             | 8/21/13    |             | APPROVED: |                                           | 4/01/87          |                            |                       |                       |        |                   |                  |             |
| COMMENT:CHG DESC                       |               |                                                                       |            |          |                    |                     |             |            |             |           |                                           |                  |                            |                       |                       |        |                   |                  |             |
| MATH                                   | 559           | INTRO PARTL DIFF EQ<br>Introduction to Partial Differential Equations | AUT/2013 - | AUT/9999 | 3.0                | .                   | .           | .          | .           | .         | .                                         | .                | .                          | .                     | .                     | .      |                   |                  | .           |
|                                        |               |                                                                       |            |          |                    | LAST UPDT:          |             | 8/21/13    |             | APPROVED: |                                           | 4/01/87          |                            |                       |                       |        |                   |                  |             |
| COMMENT:CHG DESC                       |               |                                                                       |            |          |                    |                     |             |            |             |           |                                           |                  |                            |                       |                       |        |                   |                  |             |
| MATH                                   | 564           | ALGEBRAIC TOPOLOGY<br>Algebraic Topology                              | AUT/1968 - | AUT/9999 | 3.0                | .                   | .           | .          | .           | .         | .                                         | .                | .                          | .                     | .                     | .      |                   |                  | .           |
|                                        |               |                                                                       |            |          |                    | LAST UPDT:          |             | 11/18/92   |             |           |                                           |                  |                            |                       |                       |        |                   |                  |             |

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| DEPARTMENT: MATHEMATICS |               |                                                         |           |            |                    |                                      |             |            |                | V                                         | L                | E           | E                | W                     | O                     |                   |                  |             |
|-------------------------|---------------|---------------------------------------------------------|-----------|------------|--------------------|--------------------------------------|-------------|------------|----------------|-------------------------------------------|------------------|-------------|------------------|-----------------------|-----------------------|-------------------|------------------|-------------|
| CURRIC                  | COURSE<br>NUM | TITLE                                                   | EFFECTIVE | QUARTERS   | QUARTER<br>CREDITS | OVER<br>-ALL<br>MAX                  | D<br>U<br>P | GRD<br>SYS | D<br>E<br>HYPH | S<br>H<br>F<br>U<br>N<br>E<br>M<br>R<br>E | L<br>I<br>P<br>A | I<br>&<br>S | E<br>N<br>C<br>W | E<br>C<br>M<br>T<br>P | Q<br>S<br>N<br>R<br>G | RESPONS<br>COURSE | JOINT<br>COURSES | M<br>I<br>T |
| MATH                    | 565           | ALGEBRAIC TOPOLOGY<br>Algebraic Topology                | WIN/1972  | - AUT/9999 | 3.0                | .                                    | .           | .          | .              | .                                         | .                | .           | .                | .                     | .                     | .                 | .                | .           |
|                         |               |                                                         |           |            |                    | LAST UPDT: 0/00/00                   |             |            |                |                                           |                  |             |                  |                       |                       |                   |                  |             |
| MATH                    | 566           | ALGEBRAIC TOPOLOGY<br>Algebraic Topology                | SPR/1972  | - AUT/9999 | 3.0                | .                                    | .           | .          | .              | .                                         | .                | .           | .                | .                     | .                     | .                 | .                | .           |
|                         |               |                                                         |           |            |                    | LAST UPDT: 0/00/00                   |             |            |                |                                           |                  |             |                  |                       |                       |                   |                  |             |
| MATH                    | 567           | ALGEBRAIC GEOMETRY<br>Algebraic Geometry                | AUT/2016  | - AUT/9999 | 3.0                | .                                    | .           | .          | .              | .                                         | .                | .           | .                | .                     | .                     | .                 | .                | .           |
|                         |               |                                                         |           |            |                    | LAST UPDT: 9/23/15 APPROVED: 5/21/01 |             |            |                |                                           |                  |             |                  |                       |                       |                   |                  |             |
| MATH                    | 568           | ALGEBRAIC GEOMETRY<br>Algebraic Geometry                | AUT/2016  | - AUT/9999 | 3.0                | .                                    | .           | .          | .              | .                                         | .                | .           | .                | .                     | .                     | .                 | .                | .           |
|                         |               |                                                         |           |            |                    | LAST UPDT: 9/23/15 APPROVED: 5/21/01 |             |            |                |                                           |                  |             |                  |                       |                       |                   |                  |             |
| MATH                    | 570           | SEMINAR IN TOPOLOGY<br>Seminar in Topology              | WIN/1991  | - AUT/9999 | 2.0-05.0           | 12.0                                 | Y           | CR/NC      | .              | .                                         | .                | .           | .                | .                     | .                     | .                 | .                | .           |
|                         |               |                                                         |           |            |                    | LAST UPDT: 4/25/13 APPROVED:12/10/90 |             |            |                |                                           |                  |             |                  |                       |                       |                   |                  |             |
|                         |               |                                                         |           |            |                    | COMMENT:RETRO MAX CREDITS            |             |            |                |                                           |                  |             |                  |                       |                       |                   |                  |             |
| MATH                    | 574           | FUND CONCEPTS ANLYS<br>Fundamental Concepts of Analysis | AUT/2001  | - AUT/9999 | 3.0                | .                                    | .           | .          | .              | .                                         | .                | .           | .                | .                     | .                     | .                 | .                | .           |
|                         |               |                                                         |           |            |                    | LAST UPDT: 7/31/01 APPROVED: 9/20/00 |             |            |                |                                           |                  |             |                  |                       |                       |                   |                  |             |
|                         |               |                                                         |           |            |                    | COMMENT:WAS MATH 584                 |             |            |                |                                           |                  |             |                  |                       |                       |                   |                  |             |
| MATH                    | 575           | FUND CONCEPTS ANLYS<br>Fundamental Concepts of Analysis | AUT/2001  | - AUT/9999 | 3.0                | .                                    | .           | .          | .              | .                                         | .                | .           | .                | .                     | .                     | .                 | .                | .           |
|                         |               |                                                         |           |            |                    | LAST UPDT: 7/31/01 APPROVED: 9/20/00 |             |            |                |                                           |                  |             |                  |                       |                       |                   |                  |             |
|                         |               |                                                         |           |            |                    | COMMENT:WAS MATH 585                 |             |            |                |                                           |                  |             |                  |                       |                       |                   |                  |             |
| MATH                    | 576           | FUND CONCEPTS ANLYS<br>Fundamental Concepts of Analysis | AUT/2001  | - AUT/9999 | 3.0                | .                                    | .           | .          | .              | .                                         | .                | .           | .                | .                     | .                     | .                 | .                | .           |
|                         |               |                                                         |           |            |                    | LAST UPDT: 7/31/01 APPROVED: 9/20/00 |             |            |                |                                           |                  |             |                  |                       |                       |                   |                  |             |
|                         |               |                                                         |           |            |                    | COMMENT:WAS MATH 586                 |             |            |                |                                           |                  |             |                  |                       |                       |                   |                  |             |
| MATH                    | 577           | LIE GROUPS/ALGEBRAS<br>Lie Groups and Lie Algebras      | WIN/1992  | - AUT/9999 | 3.0                | 9.0                                  | Y           | .          | .              | .                                         | .                | .           | .                | .                     | .                     | .                 | .                | .           |
|                         |               |                                                         |           |            |                    | LAST UPDT:12/24/92 APPROVED: 7/01/91 |             |            |                |                                           |                  |             |                  |                       |                       |                   |                  |             |
| MATH                    | 578           | LIE GROUPS/ALGEBRAS<br>Lie Groups and Lie Algebras      | WIN/1992  | - AUT/9999 | 3.0                | 9.0                                  | Y           | .          | .              | .                                         | .                | .           | .                | .                     | .                     | .                 | .                | .           |
|                         |               |                                                         |           |            |                    | LAST UPDT: 0/00/00 APPROVED: 7/01/91 |             |            |                |                                           |                  |             |                  |                       |                       |                   |                  |             |

DATE: 10-12-2015  
TIME: 20:10:03

UNIVERSITY OF WASHINGTON STUDENT RECORDS SYSTEM  
DETAILED CURRICULUM REPORT  
Seattle CAMPUS

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COLLEGE : C - Arts & Sciences  
DEPARTMENT: MATHEMATICS

| 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 |
|-------------------------------------|-----------------------------------------------------------------------------------|------------|----------|--------------------|---------------------------|-----------------|-------------------|-------------------------|----------------------------|-----------------------|-------------|-------------------|------------------|------------------|
| MATH 579                            | LIE GROUPS/ALGEBRAS<br>Lie Groups and Lie Algebras                                | WIN/1992 - | AUT/9999 | 3.0                | 9.0 Y                     | .               | .                 | .                       | .                          | .                     | .           | .                 | .                | .                |
|                                     |                                                                                   |            |          |                    | LAST UPDT:12/24/92        |                 | APPROVED: 7/01/91 |                         |                            |                       |             |                   |                  |                  |
| MATH 580                            | CURRENT PROB SEM<br>Current Topics in Mathematics                                 | AUT/2003 - | AUT/9999 | 2.0                | 12.0 .                    | .               | .                 | .                       | .                          | .                     | .           | .                 | .                | .                |
|                                     |                                                                                   |            |          |                    | LAST UPDT: 7/14/03        |                 | APPROVED: 6/24/02 |                         |                            |                       |             |                   |                  |                  |
| COMMENT:CHG TITLE                   |                                                                                   |            |          |                    |                           |                 |                   |                         |                            |                       |             |                   |                  |                  |
| MATH 581                            | SPECIAL TOPICS<br>Special Topics in Mathematics                                   | AUT/2001 - | AUT/9999 | 1.0-05.0           | 36.0 Y                    | .               | .                 | .                       | .                          | .                     | .           | .                 | .                | .                |
|                                     |                                                                                   |            |          |                    | LAST UPDT: 1/24/02        |                 | APPROVED: 6/27/01 |                         |                            |                       |             |                   |                  |                  |
| MATH 582                            | SPECIAL TOPICS<br>Special Topics in Mathematics                                   | AUT/2001 - | AUT/9999 | 1.0-05.0           | 36.0 Y                    | .               | .                 | .                       | .                          | .                     | .           | .                 | .                | .                |
|                                     |                                                                                   |            |          |                    | LAST UPDT: 1/24/02        |                 | APPROVED: 6/27/01 |                         |                            |                       |             |                   |                  |                  |
| MATH 583                            | SPECIAL TOPICS<br>Special Topics in Mathematics                                   | AUT/2001 - | AUT/9999 | 1.0-05.0           | 36.0 Y                    | .               | .                 | .                       | .                          | .                     | .           | .                 | .                | .                |
|                                     |                                                                                   |            |          |                    | LAST UPDT: 1/24/02        |                 | APPROVED: 6/27/01 |                         |                            |                       |             |                   |                  |                  |
| MATH 584                            | APPL LINEAR ALGEBRA<br>Applied Linear Algebra and Introductory Numerical Analysis | AUT/2013 - | AUT/9999 | 5.0                | .                         | .               | .                 | .                       | .                          | .                     | .           | AMATH 584         | AMATH 584        | .                |
|                                     |                                                                                   |            |          |                    | LAST UPDT: 8/20/13        |                 | APPROVED: 6/27/01 |                         |                            |                       |             |                   |                  |                  |
| COMMENT:EMAIL PREQ CHG              |                                                                                   |            |          |                    |                           |                 |                   |                         |                            |                       |             |                   |                  |                  |
| MATH 585                            | BOUNDARY VALUE PROBS<br>Numerical Analysis of Boundary Value Problems             | AUT/2013 - | AUT/9999 | 5.0                | .                         | .               | .                 | .                       | .                          | .                     | .           | AMATH 585         | AMATH 585        | .                |
|                                     |                                                                                   |            |          |                    | LAST UPDT: 8/20/13        |                 | APPROVED: 6/27/01 |                         |                            |                       |             |                   |                  |                  |
| COMMENT:EMAIL PREQ CHG              |                                                                                   |            |          |                    |                           |                 |                   |                         |                            |                       |             |                   |                  |                  |
| MATH 586                            | TIME DEPNDT PROBS<br>Numerical Analysis of Time Dependent Problems                | SPR/2014 - | AUT/9999 | 5.0                | .                         | .               | .                 | .                       | .                          | .                     | .           | AMATH 586         | AMATH 586        | .                |
|                                     |                                                                                   |            |          |                    | LAST UPDT:10/31/13        |                 | APPROVED: 6/27/01 |                         |                            |                       |             |                   |                  |                  |
| COMMENT:EMAIL PREQ CHG              |                                                                                   |            |          |                    |                           |                 |                   |                         |                            |                       |             |                   |                  |                  |
| MATH 590                            | SMNR PROBABILITY<br>Seminar in Probability                                        | WIN/1991 - | AUT/9999 | 2.0-05.0           | 12.0 Y                    | CR/NC           | .                 | .                       | .                          | .                     | .           | .                 | .                | .                |
|                                     |                                                                                   |            |          |                    | LAST UPDT: 4/25/13        |                 | APPROVED:12/10/90 |                         |                            |                       |             |                   |                  |                  |
| COMMENT:RETRO MAX CREDITS           |                                                                                   |            |          |                    |                           |                 |                   |                         |                            |                       |             |                   |                  |                  |
| MATH 591                            | SPEC TOPCS IN PROB<br>SPECIAL TOPICS IN PROBABILITY                               | AUT/1998 - | AUT/9999 | 2.0-03.0           | 15.0 Y                    | .               | .                 | .                       | .                          | .                     | .           | .                 | .                | .                |
|                                     |                                                                                   |            |          |                    | LAST UPDT: 8/29/06        |                 | DROPPED: 6/24/02  |                         |                            |                       |             |                   |                  |                  |
| COMMENT:CHG DESC; DROPPED, ARCHIVED |                                                                                   |            |          |                    |                           |                 |                   |                         |                            |                       |             |                   |                  |                  |

DATE: 10-12-2015  
TIME: 20:10:03

UNIVERSITY OF WASHINGTON STUDENT RECORDS SYSTEM  
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Seattle CAMPUS

REPORT: SR21010-R-01 K  
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COLLEGE : C - Arts & Sciences  
DEPARTMENT: MATHEMATICS

| CURRIC | COURSE<br>NUM | TITLE                                                       | EFFECTIVE           | QUARTERS | QUARTER<br>CREDITS | OVER                                 | D | GRD   | D | S    | H | F | V | L | E | E | W | RESPONS | JOINT | O |        |         |       |     |   |
|--------|---------------|-------------------------------------------------------------|---------------------|----------|--------------------|--------------------------------------|---|-------|---|------|---|---|---|---|---|---|---|---------|-------|---|--------|---------|-------|-----|---|
|        |               |                                                             |                     |          |                    | -ALL                                 | U |       | E | U    | N | E | L | I | E | C | Q |         |       |   | T      | P       | N     | C   | M |
|        |               |                                                             |                     |          |                    | MAX                                  | P | SYS   | D | HYPH | M | R | E | A | S | W | T | P       | R     | G | COURSE | COURSES | I     | T   |   |
| MATH   | 594           | SPCL TPCS NUM ANLYS<br>Special Topics in Numerical Analysis | AUT/1994 - AUT/9999 |          | 2.0-03.0           | 15.0                                 | Y |       | . |      | . | . | . | . | . | . | . | .       | .     | . | MATH   | 594     | AMATH | 594 | . |
|        |               |                                                             |                     |          |                    | LAST UPDT: 6/27/14 APPROVED:11/01/84 |   |       |   |      |   |   |   |   |   |   |   |         |       |   |        |         |       |     |   |
|        |               |                                                             |                     |          |                    | COMMENT:REPLACES MATH 557            |   |       |   |      |   |   |   |   |   |   |   |         |       |   |        |         |       |     |   |
| MATH   | 595           | SPCL TPCS NUM ANLYS<br>Special Topics in Numerical Analysis | AUT/1994 - AUT/9999 |          | 2.0-03.0           | 15.0                                 | Y |       | . |      | . | . | . | . | . | . | . | .       | .     | . | MATH   | 595     | AMATH | 595 | . |
|        |               |                                                             |                     |          |                    | LAST UPDT: 6/27/14 APPROVED:11/01/84 |   |       |   |      |   |   |   |   |   |   |   |         |       |   |        |         |       |     |   |
|        |               |                                                             |                     |          |                    | COMMENT:REPLACES MATH 558            |   |       |   |      |   |   |   |   |   |   |   |         |       |   |        |         |       |     |   |
| MATH   | 596           | SPEC TPCS NUM ANLYS<br>Special Topics in Numerical Analysis | AUT/1994 - AUT/9999 |          | 2.0-03.0           | 15.0                                 | Y |       | . |      | . | . | . | . | . | . | . | .       | .     | . | MATH   | 596     | AMATH | 596 | . |
|        |               |                                                             |                     |          |                    | LAST UPDT: 6/27/14 APPROVED:11/01/84 |   |       |   |      |   |   |   |   |   |   |   |         |       |   |        |         |       |     |   |
|        |               |                                                             |                     |          |                    | COMMENT:REPLACES MATH 559            |   |       |   |      |   |   |   |   |   |   |   |         |       |   |        |         |       |     |   |
| MATH   | 597           | SEMINAR ON TEACHING<br>Seminar on Teaching Math             | SPR/1995 - AUT/9999 |          | 1.0                | 3.0                                  | Y | CR/NC | . |      | . | . | . | . | . | . | . | .       | .     | . |        |         |       | .   |   |
|        |               |                                                             |                     |          |                    | LAST UPDT: 2/22/95 APPROVED: 2/21/95 |   |       |   |      |   |   |   |   |   |   |   |         |       |   |        |         |       |     |   |
|        |               |                                                             |                     |          |                    | COMMENT:CONVERTED FROM TEMPORARY     |   |       |   |      |   |   |   |   |   |   |   |         |       |   |        |         |       |     |   |
| MATH   | 598           | SEMINAR ON TECH<br>Seminar on Technology                    | SUM/1996 - AUT/9999 |          | 1.0                | 3.0                                  | Y |       | . |      | . | . | . | . | . | . | . | .       | .     | . |        |         |       | .   |   |
|        |               |                                                             |                     |          |                    | LAST UPDT: 7/29/14 APPROVED: 2/21/95 |   |       |   |      |   |   |   |   |   |   |   |         |       |   |        |         |       |     |   |
|        |               |                                                             |                     |          |                    | COMMENT:CONVERSION OF TEMPORARY      |   |       |   |      |   |   |   |   |   |   |   |         |       |   |        |         |       |     |   |
| MATH   | 600           | INDEPNONT STDY/RSCH<br>Independent Study or Research        | SUM/1969 - AUT/9999 |          | 0.0                | 999.0                                | . |       | . | 11   | . | . | . | . | . | . | . | .       | .     | . |        |         |       | .   |   |
|        |               |                                                             |                     |          |                    | LAST UPDT: 4/19/10                   |   |       |   |      |   |   |   |   |   |   |   |         |       |   |        |         |       |     |   |
| MATH   | 700           | MASTERS THESIS<br>Master's Thesis                           | SUM/1973 - AUT/9999 |          | 0.0                | 999.0                                | . |       | . | 11   | . | . | . | . | . | . | . | .       | .     | . |        |         |       | .   |   |
|        |               |                                                             |                     |          |                    | LAST UPDT: 4/19/10 APPROVED: 1/01/70 |   |       |   |      |   |   |   |   |   |   |   |         |       |   |        |         |       |     |   |
| MATH   | 800           | DOCTORAL DISSERTATN<br>Doctoral Dissertation                | SUM/1976 - AUT/9999 |          | 0.0                | 999.0                                | . |       | . | 11   | . | . | . | . | . | . | . | .       | .     | . |        |         |       | .   |   |
|        |               |                                                             |                     |          |                    | LAST UPDT: 4/19/10 APPROVED: 1/01/70 |   |       |   |      |   |   |   |   |   |   |   |         |       |   |        |         |       |     |   |