



Republic of the Philippines  
**MINDANAO UNIVERSITY OF SCIENCE AND TECHNOLOGY**  
 Lapanan, Cagayan De Oro City

**COLLEGE OF SCIENCE AND TECHNOLOGY EDUCATION**

**PH.D. in Mathematical Sciences(Mathematics Education)**  
**Mathematics Education**

| SUBJECT CODE                          | DESCRIPTIVE TITLE                                  | H O U R |      | U N I T |      |        | PRE-REQUISITE | CO-REQUISITE |
|---------------------------------------|--|---------|------|---------|------|--------|---------------|--------------|
|                                       |  | LAB     | LEC  | LAB     | LEC  | CREDIT |               |              |
| <b><u>1ST YEAR - 1ST SEMESTER</u></b> |  |         |      |         |      |        |               |              |
| Math 602                              | Advanced Calculus                                  | 0.0     | 3.0  | 0.0     | 3.0  | 3.0    |               |              |
| MATH608a                              | Advanced Linear Algebra                            | 0.0     | 3.0  | 0.0     | 3.0  | 3.0    |               |              |
| Math 611                              | Advanced Differential Equation                     | 0.0     | 3.0  | 0.0     | 3.0  | 3.0    |               |              |
| Math 602b                             | Advanced Calculus                                  | 0.0     | 0.0  | 0.0     | 3.0  | 3.0    |               |              |
|                                       |  | 0.0     | 9.0  | 0.0     | 12.0 | 12.0   |               |              |
| <b><u>1ST YEAR - 2ND SEMESTER</u></b> |  |         |      |         |      |        |               |              |
| Math 603                              | Real Analysis                                      | 0.0     | 3.0  | 0.0     | 3.0  | 3.0    |               |              |
| Math 621                              | Advanced Mathematical Statistics                   | 0.0     | 3.0  | 0.0     | 3.0  | 3.0    |               |              |
| MEd602                                | Methods of Teaching Math                           | 0.0     | 0.0  | 0.0     | 3.0  | 3.0    |               |              |
|                                       |  | 0.0     | 6.0  | 0.0     | 9.0  | 9.0    |               |              |
| <b><u>1ST YEAR - SUMMER</u></b>       |  |         |      |         |      |        |               |              |
| MEd 603                               | Experimental Designs of Research in Math Education | 0.0     | 3.0  | 0.0     | 3.0  | 3.0    |               |              |
| MEd 605                               | Independent Study I                                | 0.0     | 3.0  | 0.0     | 3.0  | 3.0    |               |              |
|                                       |  | 0.0     | 6.0  | 0.0     | 6.0  | 6.0    |               |              |
| <b><u>2ND YEAR - 1ST SEMESTER</u></b> |  |         |      |         |      |        |               |              |
| Math 605                              | Advanced Abstract Algebra                          | 0.0     | 3.0  | 0.0     | 3.0  | 3.0    |               |              |
| Math 609                              | Advanced Modern Geometry                           | 0.0     | 3.0  | 0.0     | 3.0  | 3.0    |               |              |
| MEd 601                               | Philosophical Foundation of Education              | 0.0     | 3.0  | 0.0     | 3.0  | 3.0    |               |              |
|                                       |  | 0.0     | 9.0  | 0.0     | 9.0  | 9.0    |               |              |
| <b><u>2ND YEAR - 2ND SEMESTER</u></b> |  |         |      |         |      |        |               |              |
| Math 607                              | Complex Analysis                                   | 0.0     | 3.0  | 0.0     | 3.0  | 3.0    |               |              |
| MEd 604                               | Instructional Materials Production                 | 0.0     | 3.0  | 0.0     | 3.0  | 3.0    |               |              |
| Math 606                              | Functional Analysis                                | 0.0     | 3.0  | 0.0     | 3.0  | 3.0    |               |              |
|                                       |  | 0.0     | 9.0  | 0.0     | 9.0  | 9.0    |               |              |
| <b><u>2ND YEAR - SUMMER</u></b>       |  |         |      |         |      |        |               |              |
| Math 631                              | Philosophy of Mathematics                          | 0.0     | 3.0  | 0.0     | 3.0  | 3.0    |               |              |
| MEd 606                               | Independent Study II                               | 0.0     | 3.0  | 0.0     | 3.0  | 3.0    |               |              |
| MEd 699                               | Dissertation Writing                               | 0.0     | 15.0 | 0.0     | 15.0 | 15.0   |               |              |
|                                       |  | 0.0     | 21.0 | 0.0     | 21.0 | 21.0   |               |              |