



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

**COLLEGE OF SCIENCE AND TECHNOLOGY EDUCATION**

**M.S. in Teaching Physical Sciences(Physics)  
 Physics**

| SUBJECT CODE                          | DESCRIPTIVE TITLE                          | H O U R |     | U N I T |     | PRE-REQUISITE | CO-REQUISITE |
|---------------------------------------|--|---------|-----|---------|-----|---------------|--------------|
|                                       |  | LAB     | LEC | LAB     | LEC |               |              |
| <b><u>1ST YEAR - 1ST SEMESTER</u></b> |  |         |     |         |     |               |              |
| CHEM520                               | Inorganic Chemistry                        | 0.0     | 3.0 | 0.0     | 3.0 | 3.0           |              |
| SCIED510                              | Methods of Teaching Sciences               | 0.0     | 3.0 | 0.0     | 3.0 | 3.0           |              |
|                                       |  | 0.0     | 6.0 | 0.0     | 6.0 | 6.0           |              |
| <b><u>1ST YEAR - 2ND SEMESTER</u></b> |  |         |     |         |     |               |              |
| PHYS501                               | Mechanics & Heat                           | 0.0     | 3.0 | 0.0     | 3.0 | 3.0           |              |
| SCIED501                              | Math for Science Teachers II               | 0.0     | 3.0 | 0.0     | 3.0 | 3.0           |              |
| SCIED505                              | History and Philosophy of Science and Math | 0.0     | 3.0 | 0.0     | 3.0 | 3.0           |              |
|                                       |  | 0.0     | 9.0 | 0.0     | 9.0 | 9.0           |              |
| <b><u>1ST YEAR - SUMMER</u></b>       |  |         |     |         |     |               |              |
| PHYS504                               | Thermodynamics                             | 0.0     | 0.0 | 0.0     | 3.0 | 3.0           |              |
| CHEM560                               | Physical Chemistry                         | 0.0     | 3.0 | 0.0     | 3.0 | 3.0           |              |
|                                       |  | 0.0     | 3.0 | 0.0     | 6.0 | 6.0           |              |
| <b><u>2ND YEAR - 1ST SEMESTER</u></b> |  |         |     |         |     |               |              |
| CHEM530                               | Organic Chemistry                          | 0.0     | 3.0 | 0.0     | 3.0 | 3.0           |              |
| PHYS502                               | Electricity & Magnetism                    | 0.0     | 3.0 | 0.0     | 3.0 | 3.0           |              |
|                                       |  | 0.0     | 6.0 | 0.0     | 6.0 | 6.0           |              |
| <b><u>2ND YEAR - 2ND SEMESTER</u></b> |  |         |     |         |     |               |              |
| PHYS503                               | Nuclear Physics                            | 0.0     | 3.0 | 0.0     | 3.0 | 3.0           |              |
| PHYS506                               | Radiation & Optics                         | 0.0     | 3.0 | 0.0     | 3.0 | 3.0           |              |
| RES501                                | Methods of Research and Thesis Writing     | 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>       |  |         |     |         |     |               |              |
| PHYS505                               | Modern Physics                             | 0.0     | 0.0 | 0.0     | 3.0 | 3.0           |              |
| RES500                                | Research Statistics                        | 0.0     | 3.0 | 0.0     | 3.0 | 3.0           |              |
| PHYS595                               | Thesis Writing                             | 0.0     | 0.0 | 0.0     | 0.0 | 12.0          |              |
|                                       |  | 0.0     | 3.0 | 0.0     | 6.0 | 18.0          |              |