Following is the table representing the courses offered by the MMD in the PhD programme.

**Table 2.1 Courses offered in the PhD programme.**

| Common Courses | | |
| --- | --- | --- |
| Course # | **Course Title** | **Credit Hours** |
| CT–646 | Research Methodologies | 3 |
| Materials Engineering | | |
| Course Code | **Course Title** | **Credit Hours** |
| MM-601 | Advance materials characterization Techniques | 3 |
| MM-602 | Advance materials and processes | 3 |
| MM-603 | Nano Engineering and Smart materials | 3 |
| MM-604 | Thin Film Technology | 3 |
| MM-605 | Environment Engineering and Solar Energy Systems | 3 |
| MM-606 | Biomaterials | 3 |
| MM-607 | Dental implants | 3 |
| MM-608 | Surface engineering of dental implants | 3 |
| MM-609 | Hydrometallurgical Processes and Techniques | 3 |
| MM-610 | Pyrometallurgical Processes and Techniques | 3 |
| MM-611 | Computational Materials Science | 3 |
| MM-612 | Fracture Mechanics and Failure Analysis | 3 |
| MM-613 | Advanced Mineral Processing Techniques | 3 |