**Semester 1:**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Process** | W  1 | **W**  **2** | **W**  **3** | **W**  **4** | **W**  **5** | **W**  **6** | **W**  **7** | **W**  **8** | **W**  **9** | **W**  **10** | **W**  **11** | **W**  **12** | **W**  **13** | **W**  **14** |
| Defining title and problem |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Collecting published papers |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Reading and analyzing |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Literature review |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Selecting process |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Finishing report |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Presentation and meeting |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

Semester 2 schedule:

In this semester, there will be many physical processes related to laboratory and testing machines, where the work will be in hand and observation with result discussion in depth will be conducted.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Processes** | W  1 | **W**  **2** | **W**  **3** | **W**  **4** | **W**  **5** | **W**  **6** | **W**  **7** | **W**  **8** | **W**  **9** | **W**  **10** | **W**  **11** | **W**  **12** | **W**  **13** | **W**  **14** |
| Preparing lab |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Preparing materials |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Surface treatment |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Designing mold |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Tensile and impact tests |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| SEM observation |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Results analyzing |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Finishing report |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Presentation and meeting |  |  |  |  |  |  |  |  |  |  |  |  |  |  |