**COURSE OUTLINE**

|  |  |
| --- | --- |
| **Department & Faculty:** | **Page** 1 of4 |
| **Course & Code:**  **Hours:** | **Semester:**  **Academic Session:** |
| **Lecturer :**  **Room No :**  **Contact No :**  **Email :**  **Synopsis** :  **Learning Outcomes:**  By the end of the course, students should be able to:   |  |  |  |  |  | | --- | --- | --- | --- | --- | |  | **Course Learning Outcome** | **Programme Learning Outcome(s) Addressed** | **Taxonomies (C,P,A) & Soft Skills** | **Assessment Methods** | | 1 |  |  |  |  | | 2 |  |  |  |  | | 3 |  |  |  |  | | |
| **Prepared by**  **Name :**  **Signature:**  **Date :** | **Certified by(HOD)**  **Name :**  **Signature:**  **Date :** |

**COURSE OUTLINE**

|  |  |  |
| --- | --- | --- |
| **Department & Faculty:** | | **Page** 2 of4 |
| **Course & Code:**  **Total Lecture Hours:** | | **Semester:**  **Academic Session:** |
| **Student Learning Time**   |  |  |  | | --- | --- | --- | | **Teaching and Learning Activities** | | **Student Learning Time (Hours)** | |  | | | | **Face to Face Learning** | **Lecturer Centered Learning (LCL)**   1. Lecture |  | | **Student Centered Learning (SCL)**   1. Laboratory/Tutorial 2. self -learning 3. information search 4. reading 5. group discussion |  | |  | | | | **Self-Directed Learning** | **Non-face-to-face learning or student-centered learning (SCL) such as homework, group project, project**   1. information search 2. group discussion 3. presentation 4. report writing |  | | **Revision**   1. information search 2. group discussion 3. report writing |  | | **Assessment Preparations**   1. Reading 2. Discussion |  | |  | | | | **Formal Assessment** | **Formative Assessment (Continuous Assessment**   1. Quiz 2. Mind mapping 3. Project presentation |  | | **Final** |  | | **TOTAL** | |  |   **Teaching Methods:**  Lectures will be based on power point presentations, reading assignment and instruments’ critique/ review. Emphasize on Problem Based learning approach which involve group discussion and group assignment. | | |
| **Prepared by**  **Name :**  **Signature:**  **Date :** | **Certified by**  **Name :**  **Signature:**  **Date :** | |

**COURSE OUTLINE**

|  |  |
| --- | --- |
| **Department & Faculty:** | **Page** 3 of4 |
| **Course & Code:** Introduction to Scaling and Instrumentation (MPF 2253)  **Total Lecture Hours:** 42 hours (3 hours per week) | **Semester:**  **Academic Session:** |
| **Weekly Schedule:**   |  |  | | --- | --- | | **Week 1 :** |  | | **Week 2 :** |  | | **Week 3 :** |  | | **Week 4 :** |  | | **Week 5 :** |  | | **Week 6 :** |  | | **Week 7 :** |  | | **Week 8 :** | **Semester Break** | | **Week 9 :** |  | | **Week 10 :** |  | | **Week 11 :** |  | | **Week 12 :** |  | | **Week 13 :** |  | | **Week 14 :** |  | | **Week 15 :** |  | | **Week 16-18 :** |  | | |
| **Prepared by**  **Name :**  **Signature:**  **Date :** | **Certified by**  **Name :**  **Signature:**  **Date :** |

**COURSE OUTLINE**

|  |  |
| --- | --- |
| **Department & Faculty:** | **Page** 4 of4 |
| **Course & Code:** Introduction to Scaling and Instrumentation (MPF 2253)  **Total Lecture Hours:** 42 hours (3 hours per week) | **Semester:**  **Academic Session:** |
| **Text Book:**   |  |  |  | | --- | --- | --- | | **References** | : |  | |  |  |  | |  |  |  | |  |  |  |   **ASSESSMENT:**   |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | **Assessment Types** | **Quantity** | **Criteria** | **%** | **Total** | **Date** | |  |  |  |  |  |  | |  |  |  |  |  |  | |  |  |  |  |  |  | |  |  |  |  |  |  | | Total | | | |  |  |     **Notes:**  PO1  PO2 | |
| **Pepared by**  **Name :**  **Signature:**  **Date :** | **Certified by**  **Name :**  **Signature:**  **Date :** |