



جامعة المستقبل

قسم الفيزياء الطبية التطبيقية



دليل مختبر الميكانيك

للعام الدراسي 2024 – 2025

## خطة العمل لمادة الميكانيك لعملي للعام الدراسي 2024-2025

Work plan for the subject for the academic year 2024-2025

| Delivery Plan (Weekly Lab. Syllabus) |                                                                          |
|--------------------------------------|--------------------------------------------------------------------------|
| Week                                 | Material Covered                                                         |
| Week 1                               | Lab1: : A) Measurement Principles and Errors<br>B) Accurate Measurements |
| Week 2                               | Lab 2:: Mathematical Pendulum                                            |
| Week 3                               | Lab 3: : Laws of Collision/Air Track                                     |
| Week 4                               | Lab 4 : Free Fall                                                        |
| Week 5                               | Lab 5: : Hooke's Law                                                     |
| Week 6                               | Lab 6: : Newton's Law                                                    |
| Week 7                               | Lab 7 : Uniformly Accelerated Motion                                     |
| Week 8                               | Lab 8: - Resonance Frequency of a Tuning Fork                            |

**Week 9**

**Lab 9: Lab Exam**