**รายงานสรุปคะแนนรายวิชาและจำนวนนักศึกษาที่ได้เกรดต่างๆ**

**ประจำภาคการศึกษา 2/2563**

**ระดับปริญญาตรี คณะวิศวกรรมศาสตร์ ภาควิชาวิศวกรรมอุตสาหการ**

| รหัสวิชา | ชื่อวิชา | หน่วยกิต | จำนวน น.ศ. | Mean | SD | GPA |
|---|---|---|---|---|---|---|
| PRE103 | PRODUCTION TECHNOLOGY | 2(1-3-2) | 125 | 69.43 | 7.50 | 2.82 |
| PRE110 | FITTING AND MACHINE TOOLS | 2(1-3-2) | 21 | 72.00 | 6.00 | 3.38 |
| PRE113 | COMPUTER PROGRAMMING FOR ENGINEERS | 3(2-2-6) | 84 | 84.59 | 7.95 | 3.32 |
| PRE115 | PRODUCTION DRAWING | 3(2-3-6) | 12 | 83.99 | 3.40 | 3.17 |
| PRE133 | ENGINEERING MATERIALS | 3(3-0-6) | 81 | 66.94 | 6.90 | 2.67 |
| PRE155 | MECHATRONICS DRAWING | 2(1-3-4) | 41 | 74.90 | 6.44 | 3.06 |
| PRE211 | ADVANCED MACHINE TOOLS | 2(1-3-4) | 38 | 84.26 | 3.04 | 3.25 |
| PRE221 | WELDING TECHNOLOGY AND SHEET METAL FORMING | 2(1-3-4) | 90 | 71.61 | 5.76 | 3.55 |
| PRE231 | FOUNDRY TECHNOLOGY | 2(1-3-4) | 91 | 62.28 | 6.29 | 3.23 |
| PRE241 | METALLURGY LABORATORY | 1(0-3-2) | 82 | 79.77 | 4.62 | 3.06 |
| PRE242 | METALLURGY | 3(2-3-6) | 12 | 59.17 | 6.65 | 2.17 |
| PRE252 | COMPUTER SYSTEMS AND INTERFACING | 3(2-3-6) | 38 | 86.39 | 4.29 | 3.43 |
| PRE271 | PRODUCTION ENGINEERING STATISTICS | 3(3-0-6) | 172 | 58.51 | 9.84 | 2.45 |
| PRE290 | INDUSTRIAL ORGANIZATION AND MANAGEMENT | 3(3-0-6) | 110 | 79.55 | 9.68 | 3.12 |
| PRE300 | INDUSTRIAL TRAINING | 2(0-0-0) | 1 | 0 | 0 | 0 |
| PRE313 | PRINCIPLES OF METAL CUTTING | 2(1-3-4) | 99 | 81.81 | 4.41 | 2.99 |
| PRE331 | THERMODYNAMICS | 3(3-0-6) | 89 | 80.05 | 12.02 | 3.15 |
| PRE332 | MECHANICAL ENGINEERING LABORATORY | 1(0-3-2) | 94 | 82.84 | 2.81 | 3.58 |
| PRE351 | MANUFACTURING AUTOMATION | 3(2-3-6) | 38 | 82.05 | 5.12 | 3.12 |
| PRE353 | MODELING AND CONTROL SYSTEM II | 3(2-2-6) | 39 | 61.15 | 18.21 | 2.62 |

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| PRE354 | INDUSTRIAL ROBOTICS | 3(3-0-6) | 38 | 62.50 | 8.22 | 2.92 |
| PRE355 | MECHATRONICS ENGINEERING DESIGN | 3(2-3-6) | 38 | 79.58 | 5.41 | 3.47 |
| PRE356 | MECHATRONICS ENGINEERING LABORATORY | 2(0-6-6) | 38 | 83.11 | 3.97 | 3.66 |
| PRE360 | PRODUCTIVE MAINTENANCE ENGINEERING | 3(3-0-6) | 97 | 63.28 | 7.73 | 2.61 |
| PRE370 | INDUSTRIAL QUALITY CONTROL | 3(3-0-6) | 75 | 50.44 | 8.19 | 2.29 |
| PRE380 | ENGINEERING ECONOMICS | 3(3-0-6) | 352 | 73.36 | 14.38 | 2.84 |
| PRE381 | OPERATIONS RESEARCH | 3(3-0-6) | 100 | 63.68 | 15.07 | 2.85 |
| PRE383 | INDUSTRIAL PLANT DESIGN | 3(3-0-6) | 140 | 93.06 | 4.74 | 3.70 |
| PRE394 | INDUSTRIAL  SAFETY | 3(3-0-6) | 141 | 80.34 | 4.76 | 3.46 |
| PRE412 | TOOL ENGINEERING | 3(2-3-6) | 102 | 70.38 | 6.63 | 2.95 |
| PRE421 | WELDING INSPECTION AND CERTIFICATION | 3(3-0-6) | 8 | 71.63 | 6.73 | 3.38 |
| PRE451 | INDUSTRIAL AUTOMATION | 3(2-2-6) | 146 | 79.74 | 7.57 | 3.58 |
| PRE452 | CONTROL SYSTEM DESIGN METHODS | 3(3-0-6) | 7 | 81.71 | 6.23 | 3.50 |
| PRE453 | DIGITAL CONTROL | 3(3-0-6) | 4 | 87.50 | 3.04 | 3.75 |
| PRE458 | INTRODUCTION TO OPTIMIZATION AND APPLICATIONS | 3(3-0-6) | 37 | 56.89 | 13.48 | 2.97 |
| PRE475 | QUALITY ASSURANCE | 3(3-0-6) | 36 | 66.42 | 7.37 | 2.65 |
| PRE481 | DECISION MODELING WITH SPREADSHEETS | 3(3-0-6) | 35 | 83.49 | 15.97 | 3.11 |
| PRE482 | ENGINEERING ECONOMICS ANALYSIS | 3(3-0-6) | 40 | 74.97 | 11.46 | 3.03 |
| PRE490 | PRODUCTION MAINTENANCE ENGINEERING | 3(3-0-6) | 42 | 61.07 | 7.83 | 2.42 |
| PRE492 | PRODUCTION ENGINEERING PROJECT | 3(0-6-9) | 104 | 91.23 | 6.12 | 3.95 |
| PRE497 | MACHARONICS ENGINEERING PROJECT | 2(0-6-4) | 37 | 85.95 | 20.68 | 3.68 |