

รายงานสรุปคะแนนรายวิชาและจำนวนนักศึกษาที่ได้เกรดต่างๆ

ประจำภาคการศึกษา 2/2566

ระดับปริญญาตรี คณะวิศวกรรมศาสตร์

| รหัสวิชา | ชื่อวิชา                                   | หน่วยกิต | จำนวน น.ศ. | Mean  | SD   | GPA  |
|----------|--------------------------------------------|----------|------------|-------|------|------|
| BIE580   | BIOMEDICAL INNOVATIONS: FROM LAB TO MARKET | 3(3-0-9) | 1          | 81.43 | 0.00 | 4.00 |
| BIO100   | BIOLOGICAL SCIENCE IN MODERN TECHNOLOGY    | 3(3-0-6) | 17         | 76.88 | 5.62 | 3.91 |

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ระดับปริญญาตรี คณะวิศวกรรมศาสตร์ ภาควิชาวิศวกรรมเครื่องกล

| รหัสวิชา | ชื่อวิชา                                                           | หน่วยกิต | จำนวน น.ศ. | Mean  | SD    | GPA  |
|----------|--------------------------------------------------------------------|----------|------------|-------|-------|------|
| AME261   | AUTOMOTIVE ENGINEERING APPLICATION EXERCISE I                      | 1(0-3-3) | 47         | 68.04 | 13.59 | 3.03 |
| AME342   | VEHICLE SYSTEM DESIGN                                              | 3(3-0-6) | 34         | 56.82 | 10.96 | 2.37 |
| AME362   | AUTOMOTIVE ENGINEERING LABORATORY II                               | 2(0-4-4) | 40         | 65.10 | 12.97 | 1.97 |
| AME363   | AUTOMOTIVE ENGINEERING APPLICATION EXERCISE II                     | 1(0-3-3) | 40         | 83.91 | 6.55  | 3.93 |
| AME461   | AUTOMOTIVE ENGINEERING PROJECT I                                   | 3(0-6-6) | 2          | 85.00 | 0.00  | 4.00 |
| AME462   | AUTOMOTIVE ENGINEERING PROJECT II                                  | 3(0-6-6) | 28         | 82.59 | 4.92  | 3.82 |
| AME471   | SPECIAL TOPICS I : WHY DO AIRPLANES HAVE TAILS                     | 3(3-0-6) | 35         | 73.73 | 7.01  | 3.47 |
| MEE114   | ENGINEERING DRAWING                                                | 2(1-3-4) | 147        | 59.20 | 8.84  | 2.26 |
| MEE119   | MECHANICAL ENGINEERING DRAWING                                     | 3(2-3-4) | 127        | 53.71 | 15.00 | 2.24 |
| MEE211   | ENGINEERING MECHANICS I                                            | 3(3-0-6) | 265        | 43.68 | 14.73 | 1.82 |
| MEE212   | ENGINEERING MECHANICS II                                           | 3(3-0-6) | 107        | 67.33 | 12.16 | 2.89 |
| MEE213   | MECHANICS OF SOLIDS                                                | 3(3-0-6) | 177        | 56.09 | 19.89 | 2.26 |
| MEE214   | ENGINEERING MECHANICS                                              | 3(3-0-6) | 365        | 41.16 | 19.90 | 1.62 |
| MEE216   | COMPUTER AIDED DRAWING                                             | 1(0-3-2) | 80         | 71.71 | 16.44 | 2.98 |
| MEE221   | THERMODYNAMICS                                                     | 3(3-0-6) | 90         | 42.67 | 16.21 | 1.14 |
| MEE222   | FLUID MECHANICS                                                    | 3(3-0-6) | 161        | 36.31 | 19.16 | 1.42 |
| MEE223   | THERMODYNAMICS                                                     | 3(3-0-6) | 42         | 46.24 | 17.33 | 1.79 |
| MEE224   | THERMAL ENGINEERING                                                | 3(3-0-6) | 120        | 50.57 | 18.04 | 2.28 |
| MEE312   | MECHANICS OF MACHINERY                                             | 3(3-0-6) | 269        | 56.99 | 12.28 | 2.19 |
| MEE316   | COMPUTER AIDED MECHANICAL ENGINEERING DESIGN                       | 3(3-0-6) | 165        | 64.74 | 16.98 | 2.62 |
| MEE322   | INTERNAL COMBUSTION ENGINES                                        | 3(3-0-6) | 61         | 33.14 | 15.20 | 1.68 |
| MEE323   | TURBOMACHINERY                                                     | 3(3-0-6) | 14         | 65.01 | 10.06 | 2.89 |
| MEE324   | REFRIGERATION                                                      | 3(3-0-6) | 18         | 48.81 | 17.62 | 2.32 |
| MEE325   | POWER PLANT ENGINEERING                                            | 3(3-0-6) | 57         | 44.05 | 14.39 | 1.75 |
| MEE331   | AUTOMATIC CONTROL ENGINEERING                                      | 3(3-0-6) | 44         | 31.17 | 11.89 | 1.04 |
| MEE332   | MECHANICAL VIBRATIONS                                              | 3(3-0-6) | 185        | 50.41 | 16.36 | 1.84 |
| MEE360   | INDUSTRIAL TRAINING                                                | 1(0-0-0) | 2          | 0     | 0     | 0    |
| MEE362   | MECHANICAL ENGINEERING LABORATORY II                               | 3(1-4-6) | 110        | 71.99 | 15.98 | 2.73 |
| MEE422   | COMBUSTION                                                         | 3(3-0-6) | 61         | 57.62 | 5.32  | 2.60 |
| MEE423   | GAS TURBINE THEORY                                                 | 3(3-0-6) | 25         | 74.89 | 7.23  | 3.21 |
| MEE432   | INTRODUCTION TO ROBOTICS                                           | 3(3-0-6) | 3          | 81.67 | 8.34  | 3.67 |
| MEE461   | CAPSTONE DESIGN PROJECT I                                          | 3(0-6-6) | 15         | 76.06 | 6.01  | 3.33 |
| MEE462   | CAPSTONE DESIGN PROJECT II                                         | 3(0-6-6) | 96         | 83.05 | 4.10  | 3.81 |
| MEE471   | SPECIAL TOPICS I : WHY DO AIRPLANES HAVE TAILS                     | 3(3-0-6) | 43         | 88.31 | 7.06  | 3.86 |
| MEE472   | SPECIAL TOPICS II : DATA-DRIVEN FLUID MECHANICS                    | 3(3-0-6) | 21         | 87.29 | 6.38  | 3.98 |
| MEE510   | INTRODUCTION TO CONTINUUM MECHANICS                                | 3(3-0-9) | 1          | 67.25 | 0.00  | 3.50 |
| MEE519   | MATERIAL SCIENCE OF STEEL                                          | 3(3-0-9) | 10         | 61.69 | 17.26 | 2.67 |
| MEE673   | SPECIAL TOPIC I : ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING FOR | 3(3-0-9) | 7          | 66.74 | 16.26 | 2.50 |
| MNE362   | ENERGY ENGINEERING LABORATORY II                                   | 2(0-4-4) | 38         | 69.73 | 7.44  | 2.30 |

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ระดับปริญญาตรี คณะวิศวกรรมศาสตร์ ภาควิชาวิศวกรรมเครื่องกล

| รหัสวิชา | ชื่อวิชา                                      | หน่วยกิต | จำนวน น.ศ. | Mean  | SD    | GPA  |
|----------|-----------------------------------------------|----------|------------|-------|-------|------|
| MNE421   | ALTERNATIVE AND RENEWABLE ENERGY              | 3(3-0-6) | 21         | 63.16 | 17.26 | 2.53 |
| MNE461   | CAPSTONE DESIGN PROJECT I                     | 3(0-6-6) | 4          | 82.50 | 2.50  | 3.75 |
| MNE462   | CAPSTONE DESIGN PROJECT II                    | 3(0-6-6) | 24         | 84.42 | 1.57  | 3.94 |
| MNE472   | SPECIAL TOPICS II : MATERIAL SCIENCE OF STEEL | 3(3-0-6) | 1          | 0     | 0     | 0    |

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ระดับปริญญาตรี คณะวิศวกรรมศาสตร์ ภาควิชาวิศวกรรมอุตสาหกรรม

| รหัสวิชา | ชื่อวิชา                                             | หน่วยกิต | จำนวน น.ศ. | Mean  | SD    | GPA  |
|----------|------------------------------------------------------|----------|------------|-------|-------|------|
| MCE141   | COMPUTER PROGRAMMING FOR ENGINEERS                   | 3(2-2-6) | 43         | 75.51 | 10.88 | 3.33 |
| MCE242   | COMPUTER SYSTEMS AND INTERFACING                     | 3(2-2-6) | 44         | 82.23 | 12.81 | 3.45 |
| MCE313   | COMPUTER AIDED DESIGN, ENGINEERING AND MANUFACTURING | 3(2-3-6) | 45         | 70.87 | 4.32  | 2.89 |
| MCE314   | MECHATRONICS ENGINEERING DESIGN                      | 3(2-3-6) | 46         | 78.72 | 10.59 | 3.42 |
| MCE334   | MODELING AND CONTROL SYSTEM II                       | 3(2-2-6) | 45         | 66.78 | 16.26 | 2.88 |
| MCE352   | MANUFACTURING AUTOMATION II                          | 3(3-0-6) | 45         | 82.20 | 8.74  | 3.42 |
| PRE113   | COMPUTER PROGRAMMING FOR ENGINEERS                   | 3(2-2-6) | 89         | 81.09 | 8.77  | 3.12 |
| PRE115   | PRODUCTION DRAWING                                   | 3(2-3-6) | 132        | 54.96 | 10.65 | 2.62 |
| PRE142   | METALLURGY LABORATORY                                | 1(0-3-2) | 89         | 80.26 | 4.67  | 3.38 |
| PRE221   | WELDING TECHNOLOGY AND SHEET METAL FORMING           | 2(1-3-4) | 87         | 77.39 | 5.50  | 3.54 |
| PRE231   | TECHNOLOGIES AND METALLURGY OF CASTING               | 2(1-3-4) | 87         | 66.61 | 7.06  | 3.09 |
| PRE233   | MECHANICAL ENGINEERING LABORATORY                    | 1(0-3-2) | 87         | 78.24 | 2.88  | 3.15 |
| PRE241   | METALLURGY LABORATORY                                | 1(0-3-2) | 1          | 77.00 | 0.00  | 3.00 |
| PRE271   | PRODUCTION ENGINEERING STATISTICS                    | 3(3-0-6) | 179        | 65.06 | 7.30  | 2.61 |
| PRE290   | INDUSTRIAL ORGANIZATION AND MANAGEMENT               | 3(3-0-6) | 152        | 83.50 | 11.29 | 3.48 |
| PRE311   | TOOL ENGINEERING                                     | 3(2-3-6) | 123        | 62.16 | 9.66  | 2.79 |
| PRE323   | WELDING ENGINEERING                                  | 3(2-3-6) | 79         | 53.41 | 5.03  | 2.46 |
| PRE372   | PROBABILITY AND STATISTICS FOR ENGINEERS             | 3(3-0-6) | 104        | 67.29 | 9.09  | 3.20 |
| PRE380   | ENGINEERING ECONOMICS                                | 3(3-0-6) | 468        | 63.52 | 13.20 | 2.94 |
| PRE381   | OPERATIONS RESEARCH                                  | 3(3-0-6) | 79         | 66.28 | 13.59 | 2.80 |
| PRE383   | INDUSTRIAL PLANT DESIGN                              | 3(3-0-6) | 113        | 90.31 | 5.47  | 3.37 |
| PRE384   | ENGINEERING ECONOMICS ANALYSIS                       | 3(3-0-6) | 34         | 76.91 | 8.21  | 2.99 |
| PRE385   | PRODUCTION PLANNING AND CONTROL                      | 3(3-0-6) | 79         | 88.53 | 8.51  | 3.34 |
| PRE394   | INDUSTRIAL SAFETY                                    | 3(3-0-6) | 58         | 70.81 | 9.46  | 2.93 |
| PRE412   | TOOL ENGINEERING                                     | 3(2-3-6) | 75         | 66.87 | 8.69  | 3.17 |
| PRE451   | INDUSTRIAL AUTOMATION                                | 3(2-2-6) | 74         | 63.66 | 6.08  | 2.82 |
| PRE453   | DIGITAL CONTROL                                      | 3(3-0-6) | 4          | 75.00 | 23.77 | 3.25 |
| PRE458   | INTRODUCTION TO OPTIMIZATION AND APPLICATIONS        | 3(3-0-6) | 40         | 58.10 | 13.99 | 2.71 |
| PRE461   | DYNAMICS OF MECHATRONIC SYSTEMS                      | 3(3-0-6) | 1          | 63.00 | 0.00  | 2.50 |
| PRE462   | PRODUCTIVE MAINTENANCE ENGINEERING                   | 2(1-2-3) | 79         | 86.48 | 6.50  | 3.75 |
| PRE475   | QUALITY ASSURANCE                                    | 3(3-0-6) | 66         | 73.69 | 4.48  | 2.71 |
| PRE491   | PRODUCTION ENGINEERING PROJECT STUDY                 | 1(0-3-2) | 1          | 53.00 | 0.00  | 2.50 |
| PRE492   | PRODUCTION ENGINEERING PROJECT                       | 3(0-6-9) | 92         | 73.51 | 25.77 | 3.86 |
| PRE493   | SPECIAL TOPICS I : ALUMINUM TECHNOLOGY               | 3(3-0-6) | 6          | 92.33 | 7.04  | 3.92 |
| PRE496   | MACHARONICS ENGINEERING PROJECT STUDY                | 2(0-6-4) | 5          | 62.80 | 2.40  | 3.40 |
| PRE497   | MACHARONICS ENGINEERING PROJECT                      | 2(0-6-4) | 42         | 48.26 | 39.52 | 3.79 |
| PRE61021 | ARC AND METAL TRANSFER ANALYSIS                      | 1(1-0-3) | 4          | 66.00 | 0.00  | 3.00 |
| PRE62013 | WELDING METALLURGY: STAINLESS STEEL                  | 3(2-2-6) | 1          | 0     | 0     | 0    |
| PRE62023 | WELDABILITY TESTING                                  | 1(1-0-3) | 1          | 0     | 0     | 0    |

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ระดับปริญญาตรี คณะวิศวกรรมศาสตร์ ภาควิชาวิศวกรรมอุตสาหการ

| รหัสวิชา | ชื่อวิชา                                  | หน่วยกิต | จำนวน น.ศ. | Mean | SD | GPA |
|----------|-------------------------------------------|----------|------------|------|----|-----|
| PRE63003 | DESIGN OF WELDED STRUCTURES               | 1(1-0-3) | 1          | 0    | 0  | 0   |
| PRE63011 | BASIC DESIGN OF WELDED PRESSURE EQUIPMENT | 1(1-0-3) | 1          | 0    | 0  | 0   |
| PRE64000 | QUALITY CONTROL OF WELDING                | 1(1-0-3) | 1          | 0    | 0  | 0   |
| PRE64001 | INTRODUCTION TO NON-DESTRUCTIVE TESTING   | 1(1-0-3) | 1          | 0    | 0  | 0   |
| PRE64006 | RADIOGRAPHIC TESTING                      | 3(2-2-6) | 1          | 0    | 0  | 0   |
| PRE64010 | WELDING FIXTURES AND DISTORTION CONTROL   | 1(1-0-3) | 1          | 0    | 0  | 0   |
| PRE64011 | WELDING MANAGEMENT                        | 1(1-0-3) | 1          | 0    | 0  | 0   |
| PRE64013 | HYDROGEN ANALYSIS IN WELDING CONSUMABLES  | 1(1-0-3) | 1          | 0    | 0  | 0   |

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ระดับปริญญาตรี คณะวิศวกรรมศาสตร์ ภาควิชาวิศวกรรมโยธา

| รหัสวิชา | ชื่อวิชา                                                            | หน่วยกิต  | จำนวน น.ศ. | Mean  | SD    | GPA  |
|----------|---------------------------------------------------------------------|-----------|------------|-------|-------|------|
| CVE101   | WORLD OF CIVIL ENGINEERING                                          | 2(2-0-4)  | 80         | 73.17 | 7.47  | 3.16 |
| CVE111   | ENGINEERING DRAWING                                                 | 3(2-3-6)  | 146        | 68.18 | 9.20  | 3.05 |
| CVE131   | ENGINEERING MECHANICS I                                             | 3(3-1-6)  | 117        | 63.13 | 12.27 | 2.53 |
| CVE200   | STATISTICS FOR CIVIL ENGINEERING                                    | 3(3-0-6)  | 142        | 62.75 | 16.36 | 2.45 |
| CVE225   | SURVEYING FIELD CAMP                                                | 1(0-6-3)  | 154        | 86.51 | 0.50  | 4.00 |
| CVE231   | ENGINEERING MECHANICS                                               | 3(3-0-6)  | 16         | 56.68 | 14.86 | 2.00 |
| CVE233   | MECHANICS OF MATERIALS                                              | 3(3-0-6)  | 63         | 61.65 | 18.45 | 2.37 |
| CVE235   | CIVIL ENGINEERING MATERIALS AND CONCRETE TECHNOLOGY                 | 3(2-3-6)  | 79         | 63.80 | 9.63  | 2.56 |
| CVE237   | STRUCTURAL ANALYSIS I                                               | 3(3-0-6)  | 81         | 74.14 | 14.07 | 2.73 |
| CVE240   | APPLIED MATHEMATICS FOR CIVIL ENGINEERS                             | 3(3-0-6)  | 146        | 73.75 | 16.11 | 3.15 |
| CVE261   | EARTH SCIENCES                                                      | 2(2-0-4)  | 69         | 57.15 | 12.85 | 2.48 |
| CVE281   | FLUID MECHANICS                                                     | 3(3-0-6)  | 151        | 51.06 | 16.61 | 2.08 |
| CVE282   | HYDRAULIC FOR ENVIRONMENTAL ENGINEERING                             | 3(3-0-6)  | 49         | 56.58 | 12.84 | 2.40 |
| CVE303   | MILESTONE DESIGN PROJECT                                            | 1(0-3-6)  | 4          | 81.88 | 1.62  | 4.00 |
| CVE335   | CEMENT AND CONCRETE MATERIALS                                       | 3(3-0-6)  | 1          | 83.00 | 0.00  | 3.50 |
| CVE338   | STRUCTURAL ANALYSIS II                                              | 3(3-0-6)  | 84         | 50.57 | 17.59 | 1.79 |
| CVE341   | STEEL AND TIMBER DESIGN                                             | 4(3-3-6)  | 173        | 52.28 | 14.72 | 2.29 |
| CVE342   | REINFORCED CONCRETE DESIGN                                          | 4(3-3-6)  | 166        | 54.23 | 14.26 | 2.13 |
| CVE345   | STEEL AND TIMBER DESIGN                                             | 3(3-0-6)  | 4          | 78.53 | 1.72  | 4.00 |
| CVE346   | REINFORCED CONCRETE DESIGN                                          | 3(3-0-6)  | 4          | 82.25 | 1.79  | 4.00 |
| CVE364   | FOUNDATION ENGINEERING                                              | 3(3-0-6)  | 91         | 59.90 | 14.12 | 2.72 |
| CVE371   | HIGHWAY ENGINEERING                                                 | 3(3-0-6)  | 160        | 64.34 | 14.62 | 2.42 |
| CVE382   | HYDRAULIC ENGINEERING                                               | 3(3-0-6)  | 90         | 61.59 | 13.48 | 2.45 |
| CVE385   | HYDROLOGY                                                           | 3(3-0-6)  | 1          | 73.00 | 0.00  | 3.00 |
| CVE394   | HYDRAULICS LABORATORY                                               | 1(0-3-2)  | 92         | 71.76 | 5.80  | 3.13 |
| CVE401   | CIVIL ENGINEERING CAPSTONE PROJECT PROPOSAL                         | 1(0-3-2)  | 2          | 91.00 | 0.00  | 4.00 |
| CVE402   | CIVIL ENGINEERING CAPSTONE PROJECT                                  | 3(0-6-9)  | 151        | 76.43 | 7.69  | 3.86 |
| CVE403   | SPECIAL TOPIC I : APPLIED ENGINEERING GEOLOGY                       | 3(3-0-6)  | 42         | 75.02 | 7.81  | 2.85 |
| CVE404   | SPECIAL TOPIC II : BUILDING INFORMATION MODELING FOR CIVIL ENGINEER | 3(3-0-6)  | 91         | 84.74 | 9.20  | 3.77 |
| CVE406   | COOPERATIVE EDUCATION                                               | 6(0-9-11) | 13         | 83.15 | 5.40  | 3.69 |
| CVE407   | COOPERATIVE SEMINAR                                                 | 1(0-3-2)  | 13         | 83.92 | 5.61  | 3.73 |
| CVE411   | MODERN CONSTRUCTION ENGINEERING AND TECHNOLOGY                      | 3(3-0-6)  | 46         | 84.07 | 9.95  | 3.25 |
| CVE426   | DIGITAL PHOTOGRAMMETRY                                              | 3(3-0-6)  | 8          | 75.25 | 4.21  | 3.50 |
| CVE444   | PRESTRESSED CONCRETE DESIGN                                         | 3(3-0-6)  | 13         | 66.69 | 10.94 | 3.08 |
| CVE448   | FUNDAMENTAL OF FINITE ELEMENT METHOD                                | 3(3-0-6)  | 11         | 83.49 | 11.95 | 3.50 |
| CVE464   | FOUNDATION ENGINEERING                                              | 3(3-0-6)  | 46         | 58.40 | 16.14 | 2.58 |
| CVE465   | GEOTECHNICAL ENGINEERING DESIGN                                     | 3(3-0-6)  | 16         | 73.12 | 12.61 | 3.38 |
| CVE474   | URBAN TRANSPORTATION SYSTEMS                                        | 3(3-0-6)  | 19         | 59.57 | 12.46 | 2.71 |
| CVE483   | WATER RESOURCES DEVELOPMENT                                         | 3(3-0-6)  | 14         | 84.80 | 5.48  | 3.93 |

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ระดับปริญญาตรี คณะวิศวกรรมศาสตร์ ภาควิชาวิศวกรรมไฟฟ้า

| รหัสวิชา | ชื่อวิชา                                          | หน่วยกิต   | จำนวน น.ศ. | Mean  | SD    | GPA  |
|----------|---------------------------------------------------|------------|------------|-------|-------|------|
| EEE101   | ELECTROTECHNOLOGY LABORATORY (POWER)              | 1(0-3-3)   | 17         | 78.45 | 2.05  | 3.65 |
| EEE102   | ELECTROTECHNOLOGY I (POWER)                       | 3(2-3-4)   | 191        | 55.14 | 13.50 | 2.11 |
| EEE105   | ELECTRIC CIRCUITS                                 | 3(3-0-6)   | 59         | 58.76 | 10.00 | 2.46 |
| EEE106   | ELECTRIC MACHINERY                                | 3(2-2-6)   | 17         | 69.76 | 14.37 | 3.06 |
| EEE110   | ELECTRIC CIRCUITS                                 | 3(3-0-6)   | 92         | 53.80 | 14.33 | 2.27 |
| EEE112   | COMPUTER PROGRAMMING FOR ELECTRICAL ENGINEERS     | 3(2-2-6)   | 135        | 73.44 | 13.97 | 3.19 |
| EEE190   | ELECTRICAL PRACTICE                               | 1(0-3-2)   | 91         | 87.68 | 3.33  | 3.91 |
| EEE213   | SIGNALS AND LINEAR SYSTEMS                        | 2(2-0-4)   | 42         | 46.48 | 14.45 | 1.79 |
| EEE220   | ELECTRICAL MACHINES I                             | 3(3-0-6)   | 114        | 37.83 | 20.65 | 1.64 |
| EEE221   | ELECTROMAGNETICS ENGINEERING                      | 3(3-0-6)   | 65         | 43.22 | 17.80 | 1.95 |
| EEE271   | DIGITAL TECHNIQUES                                | 3(3-0-6)   | 90         | 66.43 | 9.80  | 2.86 |
| EEE281   | ELECTRICAL MEASUREMENTS AND INSTRUMENTS           | 3(3-0-6)   | 43         | 58.59 | 11.34 | 2.81 |
| EEE290   | BASIC ELECTRICAL PRACTICE                         | 1(0-3-2)   | 43         | 89.35 | 3.78  | 3.95 |
| EEE292   | ELECTRICAL ENGINEERING LABORATORY I               | 1(0-3-2)   | 90         | 63.69 | 10.91 | 2.97 |
| EEE322   | ELECTROMAGNETIC FIELDS                            | 3(3-0-6)   | 95         | 51.73 | 18.72 | 2.40 |
| EEE331   | ELECTRIC POWER SYSTEM ANALYSIS                    | 3(3-0-6)   | 42         | 50.76 | 15.39 | 2.32 |
| EEE332   | ELECTRICAL SYSTEM DESIGN                          | 3(3-0-6)   | 123        | 70.90 | 9.25  | 3.22 |
| EEE333   | POWER PLANT AND SUBSTATION                        | 3(3-0-6)   | 39         | 48.31 | 10.64 | 1.90 |
| EEE334   | ELECTRICAL POWER SYSTEM                           | 3(3-0-6)   | 87         | 52.40 | 14.31 | 2.45 |
| EEE361   | ILLUMINATION ENGINEERING                          | 3(2-2-6)   | 86         | 47.68 | 9.52  | 2.45 |
| EEE370   | ELECTRONIC CIRCUITS AND LABORATORY                | 4(3-2-8)   | 43         | 67.26 | 11.20 | 2.84 |
| EEE391   | ELECTRICAL ENGINEERING DRAWING                    | 1(0-3-2)   | 121        | 82.05 | 8.37  | 3.52 |
| EEE392   | FUNDAMENTAL ELECTRICAL ENGINEERING LABORATORY II  | 1(0-3-2)   | 37         | 55.67 | 7.01  | 2.28 |
| EEE394   | ELECTRICAL ENGINEERING LABORATORY III             | 1(0-3-2)   | 86         | 63.94 | 10.43 | 2.79 |
| EEE397   | SEMINAR AND ELECTRICAL ENGINEERING MINI PROJECT I | 1(0-3-2)   | 37         | 91.94 | 5.67  | 3.85 |
| EEE401   | SPECIAL TOPIC I : RAILWAY SIGNALLING AND CONTROL  | 3(3-0-6)   | 43         | 59.67 | 14.64 | 2.67 |
| EEE403   | SPECIAL TOPIC III : MACHINE LEARNING              | 3(3-0-6)   | 32         | 87.23 | 5.21  | 3.77 |
| EEE424   | ELECTRIC DRIVES                                   | 3(3-0-6)   | 8          | 74.07 | 7.52  | 3.38 |
| EEE433   | COMPUTER METHODS IN POWER SYSTEMS ANALYSIS        | 3(3-0-6)   | 14         | 74.00 | 10.42 | 3.46 |
| EEE434   | ENERGY CONSERVATION AND MANAGEMENT                | 3(3-0-6)   | 10         | 76.14 | 3.72  | 3.72 |
| EEE435   | RENEWABLE ENERGY                                  | 3(3-0-6)   | 29         | 59.86 | 11.21 | 2.74 |
| EEE440   | POWER SYSTEM PROTECTION                           | 3(3-0-6)   | 19         | 44.26 | 5.63  | 2.03 |
| EEE441   | SAFETY AND ENVIRONMENT                            | 3(3-0-6)   | 1          | 90.00 | 0.00  | 4.00 |
| EEE450   | HIGH VOLTAGE ENGINEERING                          | 3(3-0-6)   | 122        | 61.88 | 12.05 | 2.86 |
| EEE490   | WORK INTEGRATED LEARNING (WIL)                    | 6(0-18-24) | 1          | 92.00 | 0.00  | 4.00 |
| EEE493   | ENERGY LABORATORY II                              | 1(0-3-2)   | 33         | 78.02 | 7.27  | 3.45 |
| EEE499   | ELECTRICAL ENGINEERING PROJECT                    | 3(0-6-6)   | 121        | 90.01 | 15.66 | 3.81 |

รายงานสรุปคะแนนรายวิชาและจำนวนนักศึกษาที่ได้เกรดต่างๆ

ประจำปีการศึกษา 2/2566

ระดับปริญญาตรี คณะวิศวกรรมศาสตร์ ภาควิชาวิศวกรรมเคมี

| รหัสวิชา | ชื่อวิชา                                                   | หน่วยกิต | จำนวน น.ศ. | Mean  | SD    | GPA  |
|----------|------------------------------------------------------------|----------|------------|-------|-------|------|
| CHE103   | MATERIAL AND ENERGY BALANCES                               | 3(3-0-6) | 120        | 68.76 | 16.47 | 2.87 |
| CHE210   | ORGANIC CHEMISTRY                                          | 3(3-0-6) | 1          | 41.00 | 0.00  | 1.50 |
| CHE212   | ORGANIC CHEMISTRY LABORATORY                               | 1(0-3-2) | 103        | 67.96 | 6.97  | 3.06 |
| CHE214   | PHYSICAL CHEMISTRY                                         | 3(3-0-6) | 121        | 48.35 | 16.61 | 1.79 |
| CHE231   | FUNDAMENTALS OF MOMENTUM, HEAT AND MASS TRANSFER           | 4(4-0-8) | 47         | 39.84 | 19.27 | 2.18 |
| CHE232   | MOMENTUM, HEAT, AND MASS TRANSFER                          | 3(3-0-6) | 103        | 52.60 | 19.95 | 1.98 |
| CHE241   | THERMODYNAMICS I                                           | 3(3-0-6) | 5          | 34.40 | 8.57  | 1.00 |
| CHE242   | THERMODYNAMICS II                                          | 3(3-0-6) | 100        | 39.65 | 13.79 | 1.40 |
| CHE300   | INDUSTRIAL TRAINING                                        | 2(0-0-0) | 1          | 0     | 0     | 0    |
| CHE335   | MASS TRANSFER AND EQUIPMENT DESIGN                         | 3(3-0-6) | 106        | 61.05 | 15.96 | 2.45 |
| CHE451   | PROCESS EQUIPMENT DESIGN                                   | 3(3-0-6) | 105        | 71.50 | 10.24 | 3.10 |
| CHE452   | CHEMICAL ENGINEERING PLANT DESIGN                          | 3(3-0-6) | 118        | 61.89 | 18.34 | 2.38 |
| CHE454   | CHEMICAL ENGINEERING DESIGN PROJECT                        | 1(0-2-3) | 115        | 84.06 | 4.53  | 3.91 |
| CHE461   | PROCESS DYNAMICS AND CONTROL                               | 3(3-0-6) | 107        | 52.43 | 7.41  | 1.10 |
| CHE471   | ENGINEERING MATERIALS AND SELECTION                        | 3(3-0-6) | 1          | 45.08 | 0.00  | 1.50 |
| CHE473   | CHEMICAL PLANT SAFETY                                      | 3(3-0-6) | 20         | 56.37 | 15.70 | 2.30 |
| CHE481   | CHEMICAL ENGINEERING LABORATORY I                          | 2(1-3-4) | 107        | 82.87 | 3.00  | 3.92 |
| CHE482   | CHEMICAL ENGINEERING LABORATORY II                         | 2(1-3-4) | 17         | 85.75 | 1.66  | 4.00 |
| CHE483   | UNDERGRADUATE SEMINAR                                      | 1(0-2-3) | 17         | 86.38 | 7.46  | 3.88 |
| CHE485   | CHEMICAL ENGINEERING PROJECT II                            | 3(0-6-9) | 100        | 90.56 | 4.80  | 3.97 |
| CHE493   | SPECIAL TOPICS II : CLIMATE CHANGE AND MITIGATION          | 3(3-0-6) | 23         | 92.91 | 6.58  | 3.96 |
| CHE494   | SPECIAL TOPICS III : INTRODUCTION TO DATA ANALYTICS AND AI | 3(3-0-6) | 9          | 79.52 | 3.80  | 3.78 |
| CHE512   | SYNTHETIC MEMBRANE TECHNOLOGY                              | 3(3-0-9) | 26         | 82.41 | 5.52  | 3.87 |
| CHE514   | SURFACTANT SCIENCE AND TECHNOLOGY                          | 3(3-0-9) | 12         | 64.75 | 10.79 | 3.17 |
| CHE530   | INDUSTRIAL WASTE TREATMENT                                 | 3(3-0-9) | 33         | 79.58 | 7.20  | 3.70 |
| CHE540   | BIOCHEMICAL ENGINEERING                                    | 3(3-0-9) | 8          | 71.94 | 14.45 | 3.25 |
| CHE549   | COFFEE PROCESSING                                          | 3(3-0-9) | 7          | 82.14 | 4.61  | 3.71 |
| CHE557   | SUSTAINABLE HYDROGEN TECHNOLOGY                            | 3(3-0-9) | 4          | 65.28 | 10.85 | 3.63 |
| CHE573   | PROBLEM SOLVING IN CHEMICAL ENGINEERING                    | 3(3-0-9) | 31         | 57.42 | 9.00  | 3.19 |

รายงานสรุปคะแนนรายวิชาและจำนวนนักศึกษาที่ได้เกรดต่างๆ

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ระดับปริญญาตรี คณะวิศวกรรมศาสตร์ ภาควิชาวิศวกรรมระบบควบคุมและเครื่องมือวัด

| รหัสวิชา | ชื่อวิชา                                             | หน่วยกิต   | จำนวน น.ศ. | Mean  | SD    | GPA  |
|----------|------------------------------------------------------|------------|------------|-------|-------|------|
| AUT431   | SIGNALS AND SYSTEMS FOR AUTOMATION ENGINEERING       | 3(3-0-6)   | 19         | 91.35 | 8.52  | 3.82 |
| AUT461   | DATA MANAGEMENT                                      | 3(3-0-6)   | 19         | 67.66 | 13.52 | 3.11 |
| AUT472   | KOSEN ENGINEERING PROJECT 8                          | 1(0-2-2)   | 19         | 92.46 | 2.08  | 4.00 |
| COM432   | JAPANESE 8                                           | 2(2-0-4)   | 19         | 80.41 | 9.19  | 3.58 |
| INC102   | FUNDAMENTAL OF INSTRUMENTATION AND PROCESS CONTROL   | 3(2-2-6)   | 233        | 57.87 | 15.15 | 2.64 |
| INC111   | SYSTEMS ENGINEERING PRACTICE                         | 1(0-3-3)   | 67         | 86.75 | 7.25  | 3.90 |
| INC121   | ELECTRIC CIRCUIT ANALYSIS I                          | 2(2-0-4)   | 1          | 67.40 | 0.00  | 3.00 |
| INC122   | ELECTRIC CIRCUIT ANALYSIS II                         | 2(2-0-4)   | 70         | 48.36 | 14.51 | 1.92 |
| INC123   | ELECTRIC CIRCUIT ANALYSIS FOR AUTOMATION ENGINEERING | 3(3-0-6)   | 26         | 47.98 | 21.24 | 2.19 |
| INC141   | COMPUTER PROGRAMMING FOR INSTRUMENTATION ENGINEERING | 2(2-0-4)   | 67         | 54.00 | 18.32 | 2.17 |
| INC142   | COMPUTER PROGRAMMING FOR AUTOMATION ENGINEERING      | 3(2-2-6)   | 24         | 57.48 | 19.37 | 2.58 |
| INC227   | INDUSTRIAL ELECTRONICS                               | 3(3-0-6)   | 50         | 64.70 | 8.68  | 2.71 |
| INC228   | TEST AND ELECTRONIC MEASUREMENT SYSTEMS              | 2(1-2-4)   | 49         | 55.59 | 14.24 | 2.46 |
| INC232   | SIGNALS AND SYSTEMS                                  | 3(3-0-6)   | 50         | 52.30 | 15.39 | 2.14 |
| INC233   | SIGNALS AND SYSTEMS FOR AUTOMATION ENGINEERING       | 3(3-0-6)   | 17         | 48.96 | 21.33 | 2.00 |
| INC234   | SYSTEMS MODELLING AND ANALYSIS                       | 3(2-2-6)   | 67         | 54.39 | 18.03 | 2.19 |
| INC241   | COMPUTATIONAL TECHNIQUES FOR ENGINEERS               | 3(3-0-6)   | 44         | 64.69 | 15.89 | 2.65 |
| INC251   | PROGRAMMABLE LOGIC CONTROL                           | 3(1-4-4)   | 64         | 61.28 | 10.56 | 2.64 |
| INC261   | DATA MANAGEMENT                                      | 3(3-0-6)   | 15         | 55.32 | 16.17 | 2.00 |
| INC271   | MINI-PROJECT I                                       | 3(2-2-6)   | 49         | 80.06 | 6.63  | 3.29 |
| INC272   | MINI-PROJECT I FOR AUTOMATION ENGINEERING            | 3(2-2-6)   | 15         | 77.81 | 12.94 | 3.20 |
| INC342   | EMBEDDED SYSTEMS AND APPLICATIONS II                 | 3(3-0-6)   | 56         | 81.12 | 13.74 | 3.34 |
| INC343   | COMPUTER-BASED CONTROL AND MONITORING SYSTEMS        | 3(3-0-6)   | 31         | 85.25 | 7.14  | 3.81 |
| INC351   | BASIC ENGINEERING STATICS AND QUALITY CONTROL        | 3(3-0-6)   | 64         | 56.97 | 11.80 | 2.09 |
| INC355   | PROCESS AUTOMATION DESIGN                            | 3(2-2-6)   | 87         | 60.73 | 12.40 | 2.56 |
| INC363   | MANUFACTURING EXECUTION SYSTEM                       | 3(3-0-6)   | 30         | 77.44 | 6.77  | 3.25 |
| INC364   | FINANCIAL AND MANAGERIAL ACCOUNTING FOR ERP SYSTEM   | 3(3-0-6)   | 32         | 78.03 | 8.42  | 3.47 |
| INC371   | MINI-PROJECT II                                      | 3(2-2-6)   | 55         | 71.93 | 10.05 | 3.32 |
| INC372   | MINI-PROJECT II FOR AUTOMATION ENGINEERING           | 3(2-2-6)   | 30         | 89.68 | 6.12  | 3.95 |
| INC402   | WORK INTEGRATED LEARNING II: PROJECT                 | 6(0-18-12) | 1          | 72.00 | 0.00  | 3.00 |
| INC475   | CONTROL AND INSTRUMENTATION ENGINEERING PROJECT      | 3(0-6-9)   | 39         | 92.12 | 6.02  | 3.82 |
| INC476   | AUTOMATION ENGINEERING PROJECT                       | 3(0-6-9)   | 18         | 88.93 | 18.28 | 3.78 |
| INC483   | CONTROL AND INSTRUMENTATION ENGINEERING PROJECT      | 3(0-6-9)   | 1          | 0     | 0.00  | 0    |
| INC492   | SPECIAL TOPIC II : INTRODUCTION TO DATA SCIENCE      | 3(3-0-6)   | 45         | 56.45 | 9.41  | 1.88 |
| INC493   | SPECIAL TOPIC III : SOCIAL INNOVATION ENGINEERING    | 3(2-2-6)   | 37         | 73.24 | 20.73 | 3.11 |

รายงานสรุปคะแนนรายวิชาและจำนวนนักศึกษาที่ได้เกรดต่างๆ

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ระดับปริญญาตรี คณะวิศวกรรมศาสตร์ ภาควิชาวิศวกรรมเครื่องมือและวัสดุ

| รหัสวิชา | ชื่อวิชา                                                  | หน่วยกิต | จำนวน น.ศ. | Mean  | SD    | GPA  |
|----------|-----------------------------------------------------------|----------|------------|-------|-------|------|
| APE100   | COMPUTER PROGRAMMING FOR ENGINEERS                        | 3(2-2-6) | 44         | 69.80 | 6.59  | 2.89 |
| APE112   | MATERIAL ENGINEERING                                      | 3(3-0-6) | 44         | 63.20 | 8.12  | 2.84 |
| APE122   | CUTTING AND MACHINE TOOLS                                 | 2(1-3-2) | 44         | 72.34 | 8.80  | 3.09 |
| APE242   | MODERN AUTOMOTIVE MANUFACTURING TECHNOLOGY                | 3(3-0-6) | 46         | 65.30 | 6.30  | 2.86 |
| APE323   | TOOL ENGINEERING                                          | 3(3-0-6) | 34         | 71.88 | 8.95  | 2.85 |
| APE351   | MODERN INDUSTRIAL AUTOMATION LABORATORY                   | 1(0-3-2) | 34         | 68.29 | 8.26  | 3.19 |
| APE352   | MODERN INDUSTRIAL AUTOMATION                              | 3(3-0-6) | 34         | 56.53 | 11.98 | 2.62 |
| APE401   | COOPERATIVE EDUCATION II                                  | 4(0-0-0) | 37         | 88.43 | 7.55  | 0    |
| APE443   | OPERATION MANAGEMENT IN AUTOMOTIVE AND AEROSPACE INDUSTRY | 3(3-0-6) | 34         | 70.88 | 5.95  | 2.94 |
| APE472   | ENGINEERING PROJECT                                       | 3(0-6-6) | 37         | 93.36 | 3.41  | 4.00 |
| MEN100   | COMPUTER PROGRAMMING FOR ENGINEERS                        | 3(2-2-6) | 89         | 56.15 | 13.85 | 2.42 |
| MEN111   | ENGINEERING MATERIALS                                     | 3(3-0-6) | 165        | 58.94 | 18.36 | 2.46 |
| MEN212   | THERMODYNAMICS OF MATERIALS                               | 3(3-0-6) | 75         | 55.94 | 14.91 | 2.15 |
| MEN21401 | X-RAY DIFFRACTOMETRY                                      | 1(1-0-2) | 43         | 70.17 | 10.31 | 3.27 |
| MEN21402 | MICROSCOPE FOR MICROSTRUCTURAL OBSERVATION                | 1(1-0-2) | 43         | 63.74 | 10.89 | 2.74 |
| MEN21403 | POLYMER ANALYSIS                                          | 1(1-0-2) | 43         | 68.07 | 9.74  | 3.07 |
| MEN221   | METAL FORMING AND FABRICATION                             | 2(2-0-4) | 45         | 61.74 | 17.03 | 2.42 |
| MEN24101 | CERAMICS AT THE ATOMIC LEVEL                              | 1(1-0-2) | 43         | 74.84 | 9.94  | 3.03 |
| MEN24102 | CERAMIC PROPERTIES AND RAW MATERIALS                      | 1(1-0-2) | 43         | 79.37 | 11.58 | 3.29 |
| MEN24103 | CERAMIC FABRICATION PROCESSES                             | 1(1-0-2) | 43         | 77.51 | 10.53 | 3.27 |
| MEN313   | MATERIALS PROCESSING LABORATORY                           | 1(0-3-3) | 41         | 79.71 | 4.33  | 3.32 |
| MEN314   | MECHANICAL BEHAVIOR OF MATERIALS                          | 3(3-0-6) | 41         | 66.53 | 8.33  | 2.64 |
| MEN316   | MATERIALS TESTING LABORATORY                              | 1(0-3-3) | 43         | 76.67 | 7.38  | 2.92 |
| MEN352   | MATERIALS SELECTION AND DESIGN                            | 2(2-0-4) | 41         | 63.43 | 12.18 | 2.79 |
| MEN353   | PRODUCT DESIGN                                            | 2(1-2-5) | 41         | 72.34 | 7.69  | 3.09 |
| MEN362   | MATERIALS ENGINEERING EXPLORATION                         | 1(0-3-2) | 41         | 85.31 | 4.24  | 3.76 |
| MEN451   | SURFACE ENGINEERING                                       | 3(3-0-6) | 7          | 71.00 | 9.71  | 3.67 |
| MEN452   | ADDITIVE MANUFACTURING                                    | 3(3-0-6) | 14         | 66.31 | 12.37 | 3.07 |
| MEN457   | MATERIALS FOR AUTOMOTIVE COMPONENTS                       | 3(3-0-6) | 20         | 61.43 | 11.36 | 2.88 |
| MEN463   | MATERIALS ENGINEERING PROJECT                             | 3(0-6-6) | 45         | 88.63 | 5.45  | 3.88 |
| TEN121   | FITTING AND MACHINE TOOL PRACTICE                         | 1(0-3-2) | 44         | 77.83 | 5.18  | 3.10 |
| TEN131   | ENGINEERING DRAWING                                       | 3(2-3-6) | 94         | 59.91 | 13.19 | 2.91 |
| TEN224   | CUTTING TOOL DESIGN                                       | 2(2-0-4) | 29         | 63.34 | 6.97  | 3.02 |
| TEN251   | COMPUTER AIDED DESIGN AND MANUFACTURING                   | 3(1-6-6) | 75         | 72.70 | 10.31 | 2.65 |
| TEN313   | POLYMER AND POWDER METALLURGY FORMING                     | 2(2-0-4) | 29         | 67.32 | 11.39 | 2.97 |
| TEN333   | TOOL ENGINEERING JIG AND FIXTURE                          | 3(1-4-6) | 46         | 77.51 | 8.27  | 3.36 |
| TEN336   | SAFETY ENGINEERING                                        | 3(3-0-6) | 72         | 65.03 | 9.22  | 3.05 |
| TEN337   | INDUSTRIAL PLANT AND FACILITY DESIGN                      | 3(3-0-6) | 87         | 68.52 | 12.02 | 2.87 |
| TEN338   | QUALITY CONTROL                                           | 3(3-0-6) | 87         | 56.67 | 10.72 | 2.85 |
| TEN365   | FINITE ELEMENT METHOD FOR TOOL ENGINEERING                | 2(1-3-4) | 46         | 62.93 | 5.27  | 2.97 |
| TEN431   | ENGINEERING ECONOMIC                                      | 3(3-0-6) | 48         | 77.67 | 14.53 | 3.17 |
| TEN436   | METAL DIE DESIGN I                                        | 3(1-4-6) | 46         | 76.41 | 6.94  | 3.30 |
| TEN437   | TRIBOLOGY IN METAL FORMING                                | 1(1-0-2) | 45         | 56.85 | 11.39 | 2.79 |

รายงานสรุปคะแนนรายวิชาและจำนวนนักศึกษาที่ได้เกรดต่างๆ

ประจำภาคการศึกษา 2/2566

ระดับปริญญาตรี คณะวิศวกรรมศาสตร์ ภาควิชาวิศวกรรมเครื่องมือและวัสดุ

| รหัสวิชา | ชื่อวิชา                        | หน่วยกิต | จำนวน น.ศ. | Mean  | SD    | GPA  |
|----------|---------------------------------|----------|------------|-------|-------|------|
| TEN439   | TOOL ENGINEERING LABORATORY     | 1(0-3-2) | 46         | 66.99 | 5.35  | 3.03 |
| TEN440   | PRODUCTION PLANNING AND CONTROL | 3(3-0-6) | 47         | 47.33 | 10.40 | 1.95 |
| TEN454   | AUTOMATIC TOOL ENGINEERING      | 4(3-3-8) | 45         | 57.22 | 7.34  | 2.53 |
| TEN472   | TOOL ENGINEERING PROJECT        | 3(0-6-6) | 45         | 89.30 | 3.79  | 3.92 |

รายงานสรุปคะแนนรายวิชาและจำนวนนักศึกษาที่ได้เกรดต่างๆ

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ระดับปริญญาตรี คณะวิศวกรรมศาสตร์ ภาควิชาวิศวกรรมสิ่งแวดล้อม

| รหัสวิชา | ชื่อวิชา                                                      | หน่วยกิต | จำนวน น.ศ. | Mean  | SD    | GPA  |
|----------|---------------------------------------------------------------|----------|------------|-------|-------|------|
| ENV212   | ENVIRONMENTAL CHEMISTRY AND MICROBIOLOGY LABORATORY           | 1(0-3-2) | 2          | 49.13 | 2.99  | 1.75 |
| ENV214   | ENVIRONMENTAL ENGINEERING STATISTICS                          | 3(3-0-6) | 49         | 56.89 | 17.93 | 2.69 |
| ENV215   | ENVIRONMENTAL MICROBIOLOGY                                    | 3(3-0-6) | 50         | 45.47 | 11.87 | 2.13 |
| ENV216   | ENVIRONMENTAL MICROBIOLOGY LABORATORY                         | 1(0-3-2) | 48         | 70.20 | 8.28  | 2.33 |
| ENV341   | UNIT OPERATION IN ENVIRONMENTAL ENGINEERING                   | 3(3-0-6) | 71         | 59.49 | 11.60 | 2.78 |
| ENV342   | WATER SUPPLY ENGINEERING                                      | 3(3-0-6) | 62         | 39.28 | 11.41 | 1.52 |
| ENV343   | BUILDING SANITATION                                           | 3(3-0-6) | 58         | 59.97 | 13.95 | 2.79 |
| ENV345   | ENVIRONMENTAL ENGINEERING LABORATORY                          | 1(0-3-2) | 1          | 63.86 | 0.00  | 2.00 |
| ENV372   | HAZARDOUS WASTE MANAGEMENT                                    | 3(3-0-6) | 60         | 46.97 | 14.80 | 2.13 |
| ENV381   | AIR POLLUTION CONTROL ENGINEERING                             | 3(3-0-6) | 58         | 70.63 | 11.58 | 3.28 |
| ENV402   | ENVIRONMENTAL ENGINEERING PROJECT                             | 3(0-6-6) | 61         | 93.07 | 4.47  | 3.97 |
| ENV436   | ENVIRONMENT AND ENERGY                                        | 3(3-0-6) | 62         | 67.27 | 10.76 | 2.83 |
| ENV445   | WASTEWATER ENGINEERING AND DESIGN                             | 3(3-0-6) | 61         | 63.68 | 11.65 | 2.88 |
| ENV495   | SPECIAL TOPIC IV : ENVIRONMENTAL ENGINEERING CAPSTONE PROJECT | 3(0-6-3) | 60         | 87.73 | 2.67  | 3.96 |
| ENV533   | ENVIRONMENTAL MANAGEMENT                                      | 3(3-0-9) | 1          | 0     | 0     | 0    |

รายงานสรุปคะแนนรายวิชาและจำนวนนักศึกษาที่ได้เกรดต่างๆ

ประจำปีการศึกษา 2/2566

ระดับปริญญาตรี คณะวิศวกรรมศาสตร์ ภาควิชาวิศวกรรมอิเล็กทรอนิกส์และโทรคมนาคม

| รหัสวิชา | ชื่อวิชา                                                              | หน่วยกิต | จำนวน น.ศ. | Mean  | SD    | GPA  |
|----------|-----------------------------------------------------------------------|----------|------------|-------|-------|------|
| EIE101   | SIGNALS AND SYSTEMS                                                   | 2(2-0-4) | 17         | 39.88 | 13.77 | 1.79 |
| EIE104   | CIRCUIT ANALYSIS AND SIMULATION                                       | 3(3-0-6) | 17         | 47.93 | 13.61 | 1.85 |
| EIE131   | COMPUTER PROGRAMMING FOR ELECTRONIC AND INFOCOMMUNICATION ENGINEERING | 1(1-0-2) | 19         | 79.53 | 7.71  | 3.76 |
| EIE142   | DISCRETE NUMBER PROBABILITY AND STATISTICS                            | 2(2-0-4) | 19         | 54.39 | 19.41 | 2.21 |
| EIE211   | ANALOG CIRCUIT DESIGN                                                 | 2(2-0-4) | 21         | 57.72 | 9.41  | 2.93 |
| EIE219   | ANALOG CIRCUIT LABORATORY                                             | 1(0-3-2) | 24         | 66.15 | 5.57  | 2.89 |
| EIE221   | DIGITAL COMMUNICATION                                                 | 2(2-0-4) | 22         | 70.90 | 7.47  | 3.71 |
| EIE222   | ELECTRICAL COMMUNICATION LABORATORY                                   | 1(0-3-2) | 26         | 73.52 | 6.60  | 3.44 |
| EIE231   | DIGITAL SYSTEM ENGINEERING                                            | 2(2-0-4) | 21         | 65.24 | 10.58 | 2.83 |
| EIE232   | DIGITAL SYSTEM ENGINEERING LABORATORY                                 | 1(0-3-2) | 25         | 79.08 | 3.93  | 3.83 |
| EIE270   | ENGINEERING PROJECT MANAGEMENT BASICS                                 | 2(2-0-4) | 38         | 78.23 | 9.00  | 3.62 |
| EIE314   | ADVANCED ELECTRONICS LABORATORY                                       | 1(0-3-2) | 16         | 79.69 | 5.58  | 3.69 |
| EIE324   | COMMUNICATION AND TELECOMMUNICATION LABORATORY                        | 1(0-3-2) | 9          | 78.18 | 9.79  | 3.50 |
| EIE335   | DIGITAL CIRCUIT AND MICROPROCESSOR LABORATORY                         | 1(0-3-2) | 29         | 36.69 | 18.22 | 2.27 |
| EIE341   | LINEAR CONTROL SYSTEMS                                                | 3(3-0-6) | 27         | 59.54 | 9.06  | 2.42 |
| EIE372   | PROPOSAL OF PROJECT IN ELECTRONIC AND INFOCOMMUNICATION ENGINEERING   | 1(0-2-3) | 31         | 84.22 | 4.85  | 3.90 |
| EIE373   | CO-OPERATIVE PREPARATION                                              | 1(0-2-3) | 4          | 88.75 | 3.42  | 4.00 |
| EIE414   | AUDIO ENGINEERING                                                     | 3(3-0-6) | 15         | 80.80 | 6.16  | 3.43 |
| EIE421   | NETWORK COMMUNICATIONS                                                | 3(3-0-6) | 8          | 83.38 | 12.01 | 3.75 |
| EIE423   | OPTICAL COMMUNICATIONS                                                | 3(3-0-6) | 27         | 58.95 | 13.04 | 2.33 |
| EIE424   | MOBILE COMMUNICATION                                                  | 3(3-0-6) | 7          | 94.14 | 4.94  | 4.00 |
| EIE428   | MICROWAVE ENGINEERING                                                 | 3(3-0-6) | 14         | 72.89 | 6.99  | 3.46 |
| EIE429   | ANTENNA THEORY                                                        | 3(3-0-6) | 18         | 60.30 | 10.44 | 2.33 |
| EIE460   | DIGITAL SIGNAL PROCESSING                                             | 3(3-0-6) | 26         | 58.38 | 13.86 | 2.71 |
| EIE463   | SOFTWARE ENGINEERING                                                  | 3(3-0-6) | 7          | 84.01 | 3.45  | 4.00 |
| EIE471   | DELIVERY OF PROJECT IN ELECTRONIC AND INFOCOMMUNICATION ENGINEERING   | 1(0-2-3) | 4          | 87.19 | 1.62  | 4.00 |
| EIE478   | ELECTRICAL COMMUNICATION AND ELECTRONIC ENGINEERING PROJECT II        | 2(0-4-6) | 22         | 83.49 | 7.36  | 3.77 |
| EIE490   | SPECIAL TOPIC I : INTERNET OF THING                                   | 3(3-0-6) | 18         | 79.28 | 4.23  | 3.78 |
| ENE101   | SIGNALS AND SYSTEMS                                                   | 2(2-0-4) | 91         | 49.45 | 15.79 | 2.27 |
| ENE102   | FUNDAMENTALS OF PROBABILITY AND STATISTICS                            | 2(2-0-4) | 94         | 48.39 | 14.66 | 1.85 |
| ENE103   | ELECTROTECHNOLOGY I (ELECTRONICS)                                     | 3(2-3-4) | 160        | 53.21 | 10.74 | 2.23 |
| ENE104   | CIRCUIT ANALYSIS AND SIMULATION                                       | 3(3-0-6) | 92         | 50.74 | 17.88 | 2.11 |
| ENE201   | FUNDAMENTALS OF ELECTRICAL ENERGY CONVERSION AND POWER SYSTEMS        | 2(2-0-4) | 105        | 73.06 | 4.44  | 3.11 |
| ENE211   | ANALOG CIRCUIT DESIGN                                                 | 2(2-0-4) | 102        | 67.22 | 9.74  | 3.03 |
| ENE212   | ELECTRONIC CIRCUITS AND DEVICES                                       | 3(2-3-6) | 1          | 68.49 | 0.00  | 3.50 |
| ENE219   | ANALOG CIRCUIT AND ENERGY CONVERSION LABORATORY                       | 1(0-3-2) | 99         | 74.25 | 5.43  | 3.40 |
| ENE221   | PRINCIPLES OF ELECTRICAL COMMUNICATION SYSTEMS II                     | 2(2-0-4) | 84         | 64.07 | 7.58  | 3.21 |
| ENE222   | ELECTRICAL COMMUNICATION LABORATORY I                                 | 1(0-3-2) | 84         | 73.44 | 5.92  | 3.46 |
| ENE231   | DIGITAL SYSTEM ENGINEERING                                            | 2(2-0-4) | 105        | 65.96 | 9.95  | 2.82 |

รายงานสรุปคะแนนรายวิชาและจำนวนนักศึกษาที่ได้เกรดต่างๆ

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ระดับปริญญาตรี คณะวิศวกรรมศาสตร์ ภาควิชาวิศวกรรมอิเล็กทรอนิกส์และโทรคมนาคม

| รหัสวิชา | ชื่อวิชา                                                                   | หน่วยกิต | จำนวน น.ศ. | Mean  | SD    | GPA  |
|----------|----------------------------------------------------------------------------|----------|------------|-------|-------|------|
| ENE232   | DIGITAL SYSTEM ENGINEERING LABORATORY                                      | 1(0-3-2) | 105        | 80.95 | 6.40  | 3.77 |
| ENE310   | INTRODUCTION TO POWER ELECTRONICS                                          | 2(2-0-4) | 103        | 81.29 | 6.21  | 3.41 |
| ENE311   | FUNDAMENTALS OF ELECTRONIC PRODUCT DESIGN                                  | 1(1-0-2) | 103        | 84.78 | 3.31  | 3.96 |
| ENE320   | WIRELESS COMMUNICATION                                                     | 2(2-0-4) | 103        | 72.33 | 13.12 | 2.96 |
| ENE322   | FUNDAMENTALS OF OPTICAL ELECTRONICS, OPTIC FIBERS, AND TRANSMISSION LINES  | 3(3-0-6) | 100        | 62.80 | 8.70  | 2.66 |
| ENE323   | FUNDAMENTALS OF ANTENNA AND ELECTROMAGNETIC WAVE PROPAGATION               | 2(2-0-4) | 100        | 61.33 | 12.41 | 2.48 |
| ENE324   | ELECTRICAL COMMUNICATION LABORATORY II                                     | 1(0-3-2) | 100        | 83.81 | 7.60  | 3.79 |
| ENE330   | EMBEDDED SYSTEM DEVELOPMENT                                                | 2(2-0-4) | 103        | 73.93 | 5.22  | 3.35 |
| ENE331   | EMBEDDED SYSTEM LABORATORY                                                 | 1(0-3-2) | 103        | 77.30 | 4.21  | 3.59 |
| ENE335   | COMPUTER SYSTEM LABORATORY                                                 | 1(0-3-2) | 103        | 39.34 | 17.90 | 2.39 |
| ENE372   | PROJECT IN ELECTRICAL COMMUNICATION AND ELECTRONIC ENGINEERING I: PROPOSAL | 1(0-2-3) | 53         | 75.81 | 8.34  | 3.46 |
| ENE373   | PREPARATION FOR COOPERATIVE STUDY                                          | 1(0-2-3) | 51         | 89.22 | 3.83  | 3.99 |
| ENE414   | AUDIO ENGINEERING                                                          | 3(3-0-6) | 60         | 74.41 | 7.27  | 3.17 |
| ENE423   | OPTICAL COMMUNICATIONS                                                     | 3(3-0-6) | 14         | 72.61 | 14.61 | 3.31 |
| ENE428   | MICROWAVE ENGINEERING                                                      | 3(3-0-6) | 9          | 70.93 | 6.82  | 3.39 |
| ENE443   | ADVANCED CONTROL SYSTEMS                                                   | 3(3-0-6) | 35         | 79.23 | 7.38  | 3.54 |
| ENE478   | ELECTRICAL COMMUNICATION AND ELECTRONIC ENGINEERING PROJECT II             | 2(0-4-6) | 40         | 85.72 | 14.82 | 3.87 |
| ENE483   | FUNDAMENTALS OF GREEN ICT MANAGEMENT                                       | 3(3-0-6) | 8          | 75.47 | 6.87  | 3.21 |
| ENE490   | SPECIAL TOPIC I : INTERNET OF THING                                        | 3(3-0-6) | 59         | 81.27 | 3.73  | 3.92 |

รายงานสรุปคะแนนรายวิชาและจำนวนนักศึกษาที่ได้เกรดต่างๆ

ประจำปีการศึกษา 2/2566

ระดับปริญญาตรี คณะวิศวกรรมศาสตร์ ภาควิชาวิศวกรรมคอมพิวเตอร์

| รหัสวิชา | ชื่อวิชา                                                       | หน่วยกิต  | จำนวน น.ศ. | Mean  | SD    | GPA  |
|----------|----------------------------------------------------------------|-----------|------------|-------|-------|------|
| CHHD203  | INTRODUCTION TO COMPUTATIONAL BIOLOGY AND BIOINFORMATICS       | 3(2-2-6)  | 37         | 72.60 | 8.56  | 3.00 |
| CHHD204  | PRINCIPLE OF CLINICAL DIAGNOSTIC AND THERAPEUTICS              | 2(2-0-4)  | 37         | 72.15 | 8.48  | 2.96 |
| CHHD301  | BIOSTATISTICS                                                  | 3(3-0-6)  | 37         | 77.54 | 10.54 | 3.30 |
| CHHD302  | HEALTH CARE MANAGEMENT AND HEALTH ECONOMICS                    | 2(2-0-4)  | 32         | 82.09 | 5.51  | 3.80 |
| CHHD303  | SEMINARS IN HEALTH DATA SCIENCE                                | 1(0-2-3)  | 32         | 84.08 | 1.90  | 4.00 |
| CPE100   | COMPUTER PROGRAMMING FOR ENGINEERS                             | 3(2-2-6)  | 175        | 80.49 | 10.34 | 3.28 |
| CPE101   | ENGINEERING EXPLORATION                                        | 3(2-2-6)  | 17         | 74.82 | 10.69 | 3.29 |
| CPE112   | PROGRAMMING WITH DATA STRUCTURES                               | 3(2-2-6)  | 206        | 74.44 | 10.98 | 3.02 |
| CPE121   | BASIC CIRCUITS AND ELECTRONICS                                 | 3(2-2-6)  | 170        | 70.50 | 15.64 | 2.87 |
| CPE223   | COMPUTER ARCHITECTURES                                         | 3(2-2-6)  | 210        | 66.53 | 9.63  | 2.78 |
| CPE231   | ALGORITHMS                                                     | 3(3-0-6)  | 38         | 70.31 | 9.76  | 2.90 |
| CPE232   | DATA MODELS                                                    | 3(2-2-6)  | 215        | 78.65 | 8.57  | 2.89 |
| CPE241   | DATABASE SYSTEMS                                               | 3(2-2-6)  | 218        | 59.59 | 9.05  | 2.39 |
| CPE301   | PROFESSIONAL ISSUES IN COMPUTER ENGINEERING                    | 1(1-0-2)  | 124        | 89.92 | 15.60 | 3.55 |
| CPE313   | SIGNALS AND LINEAR SYSTEMS                                     | 3(2-2-6)  | 88         | 79.94 | 12.20 | 3.22 |
| CPE314   | COMPUTER NETWORKS                                              | 3(2-2-6)  | 205        | 61.55 | 10.48 | 2.40 |
| CPE324   | EMBEDDED SYSTEMS                                               | 3(2-2-6)  | 125        | 80.46 | 4.35  | 3.43 |
| CPE325   | BIG DATA                                                       | 3(3-0-6)  | 38         | 71.38 | 10.42 | 2.80 |
| CPE329   | BUSINESS INTELLIGENCE                                          | 3(3-0-6)  | 37         | 80.46 | 5.56  | 3.34 |
| CPE341   | OPTIMIZATION DESIGN AND RELIABILITY ENGINEERING                | 3(3-0-6)  | 2          | 80.05 | 4.83  | 3.75 |
| CPE343   | BUSINESS INTELLIGENCE                                          | 3(3-0-6)  | 106        | 81.34 | 4.92  | 3.32 |
| CPE351   | OPTIMIZATION DESIGN AND EVOLUTIONARY COMPUTING                 | 3(3-0-6)  | 4          | 65.41 | 13.19 | 2.63 |
| CPE355   | QUANTUM PROGRAMMING AND COMPUTING                              | 3(3-0-6)  | 6          | 77.20 | 8.74  | 3.50 |
| CPE361   | COMPUTER GRAPHICS                                              | 3(3-0-6)  | 2          | 77.53 | 1.29  | 3.75 |
| CPE362   | OBJECT ORIENTED ANALYSIS AND DESIGN                            | 3(3-0-6)  | 50         | 81.43 | 4.96  | 3.34 |
| CPE363   | HUMAN-COMPUTER INTERACTION                                     | 3(3-0-6)  | 45         | 77.52 | 8.28  | 3.48 |
| CPE364   | INTERACTIVE COMPUTING AND ITS APPLICATIONS IN ART AND SCIENCES | 3(3-0-6)  | 13         | 75.47 | 6.65  | 3.50 |
| CPE371   | ARTIFICIAL INTELLIGENCE                                        | 3(3-0-6)  | 10         | 78.00 | 11.35 | 2.85 |
| CPE372   | HIGH PERFORMANCE COMPUTING AND CLOUD TECHNOLOGIES              | 3(3-0-6)  | 13         | 75.32 | 6.46  | 3.27 |
| CPE374   | HUMAN-COMPUTER INTERACTION                                     | 3(3-0-6)  | 16         | 76.33 | 12.18 | 3.38 |
| CPE375   | INTERACTIVE COMPUTING AND ITS APPLICATIONS IN ART AND SCIENCES | 3(3-0-6)  | 6          | 67.58 | 11.88 | 2.83 |
| CPE378   | MACHINE LEARNING                                               | 3(2-2-6)  | 32         | 69.59 | 8.22  | 2.66 |
| CPE381   | COMPUTER GRAPHICS                                              | 3(3-0-6)  | 7          | 76.33 | 10.43 | 3.64 |
| CPE382   | IMAGE PROCESSING AND COMPUTER VISION                           | 3(3-0-6)  | 18         | 73.30 | 9.83  | 3.06 |
| CPE383   | DIGITAL IMAGE PROCESSING FOR COPYRIGHT PROTECTION              | 3(3-0-6)  | 2          | 83.04 | 4.75  | 3.75 |
| CPE393   | SPECIAL TOPIC III : NEW TECHNOLOGY AND TECHNOLOGY MANAGEMENT   | 3(3-0-6)  | 216        | 80.01 | 8.28  | 3.52 |
| CPE402   | COMPUTER ENGINEERING PROJECT II                                | 3(0-6-9)  | 129        | 82.31 | 6.70  | 3.01 |
| CPE404   | INDEPENDENT STUDY II                                           | 3(0-3-6)  | 32         | 84.19 | 5.99  | 3.72 |
| CPE406   | WORK-INTEGRATED LEARNING II                                    | 6(0-24-8) | 32         | 86.50 | 7.01  | 3.40 |
| CPE408   | HEALTH DATA SCIENCE PROJECT II                                 | 3(0-6-9)  | 35         | 89.28 | 5.67  | 3.63 |

รายงานสรุปคะแนนรายวิชาและจำนวนนักศึกษาที่ได้เกรดต่างๆ

ประจำภาคการศึกษา 2/2566

ระดับปริญญาตรี คณะวิศวกรรมศาสตร์ ภาควิชาวิศวกรรมคอมพิวเตอร์

| รหัสวิชา | ชื่อวิชา                                          | หน่วยกิต | จำนวน น.ศ. | Mean  | SD   | GPA  |
|----------|---------------------------------------------------|----------|------------|-------|------|------|
| CPE457   | ARTIFICIAL INTELLIGENCE                           | 3(3-0-6) | 17         | 91.00 | 6.27 | 3.74 |
| CPE463   | IMAGE PROCESSING AND COMPUTER VISION              | 3(3-0-6) | 14         | 74.12 | 4.22 | 3.21 |
| CPE464   | DIGITAL IMAGE PROCESSING FOR COPYRIGHT PROTECTION | 3(3-0-6) | 2          | 73.09 | 6.50 | 3.00 |
| PSHD1104 | STRUCTURES AND FUNCTIONS OF THE HUMAN BODY        | 2(2-0-4) | 33         | 71.65 | 9.35 | 2.91 |