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| **LECTURE CODE** | **LECTURE** | **LECTURE CREDIT INFORMATION** | **APPLICANT DEPARTMENT** |
| **INDUSTRIAL ENGINEERING** | **MINOR PROG.****EE/CE/CS/ME** |
| **3 Fall Semester** | **Credits** | **Theory** | **Practice** | **Lab** | **ECTS** |  |
| IE 201 | Operations Research I | 3 | 3 | 0 | 0 | 5 | Prerequisite “MATH 101” |
| **4 Spring Semester** | **Credits** | **Theory** | **Practice** | **Lab** | **ECTS** |  |
| IE 202 | Operations Research II | 3 | 3 | 0 | 0 | 5 | PREREQUISITE “IE 201 and MATH 201” |
| IE 212 | Statistical Models | 3 | 3 | 0 | 0 | 5 | PREREQUISITE “MATH 211” |
| **5 Fall Semester** | **Credits** | **Theory** | **Practice** | **Lab** | **ECTS** |  |
| IE 361 | Production Planning and Control | 3 | 3 | 0 | 0 | 6 | PREREQUISITE “IE 201 and MATH 211” |
| IE 381 | Simulation | 4 | 3 | 0 | 2 | 7 | PREREQUISITE “IE 212” |
| **6 Spring Semester** | **Credits** | **Theory** | **Practice** | **Lab** | **ECTS** |  |
| IE 304 | Facility Layout and Design | 3 | 3 | 0 | 0 | 7 | PREREQUISITE “IE 201” |
| IE 303 | Operations Research III | 3 | 3 | 0 | 0 | 6 | PREREQUISITE “IE 202 and MATH 211” |
| IE 312 | Engineering Quality Control | 3 | 3 | 0 | 0 | 7 | PREREQUISITE “IE 212” |
| **7 Fall Semester** | **Credits** | **Theory** | **Practice** | **Lab** | **ECTS** |  |
| DAE XXX | Area Elective | 3 | 3 | 0 | 0 | 6 |  |
| **8 Spring Semester** | **Credits** | **Theory** | **Practice** | **Lab** | **ECTS** |  |
| DAE XXX | Area Elective | 3 | 3 | 0 | 0 | 6 |  |

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| **LECTURE CODE** | **LECTURE** | **LECTURE CREDIT INFORMATION** | **APPLICANT DEPARTMENT** |
| **INDUSTRIAL ENGINEERING** | **MINOR PROG.****EE/CE/CS/ME** |
| **3 Fall Semester** | **Credits** | **Theory** | **Practice** | **Lab** | **ECTS** |  |
| IE 201 | Operations Research I | 3 | 3 | 0 | 0 | 5 | Prerequisite “MATH 101” |
| **4 Spring Semester** | **Credits** | **Theory** | **Practice** | **Lab** | **ECTS** |  |
| IE 202 | Operations Research II | 3 | 3 | 0 | 0 | 5 | PREREQUISITE “IE 201 and MATH 201” |
| IE 212 | Statistical Models | 3 | 3 | 0 | 0 | 5 | PREREQUISITE “MATH 211” |
| **5 Fall Semester** | **Credits** | **Theory** | **Practice** | **Lab** | **ECTS** |  |
| IE 361 | Production Planning and Control | 3 | 3 | 0 | 0 | 6 | PREREQUISITE “IE 201 and MATH 211” |
| IE 381 | Simulation | 4 | 3 | 0 | 2 | 7 | PREREQUISITE “IE 212” |
| **6 Spring Semester** | **Credits** | **Theory** | **Practice** | **Lab** | **ECTS** |  |
| IE 304 | Facility Layout and Design | 3 | 3 | 0 | 0 | 7 | PREREQUISITE “IE 201” |
| IE 303 | Operations Research III | 3 | 3 | 0 | 0 | 6 | PREREQUISITE “IE 202 and MATH 211” |
| IE 312 | Engineering Quality Control | 3 | 3 | 0 | 0 | 7 | PREREQUISITE “IE 212” |
| **7 Fall Semester** | **Credits** | **Theory** | **Practice** | **Lab** | **ECTS** |  |
| DAE XXX | Area Elective | 3 | 3 | 0 | 0 | 6 |  |
| **8 Spring Semester** | **Credits** | **Theory** | **Practice** | **Lab** | **ECTS** |  |
| DAE XXX | Area Elective | 3 | 3 | 0 | 0 | 6 |  |

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| **LECTURE CODE** | **LECTURE** | **LECTURE CREDIT INFORMATION** | **APPLICANT DEPARTMENT** |
| **INDUSTRIAL ENGINEERING** | **MINOR PROG.****BUSI/ECON** |
| **3 Fall Semester** | **Credits** | **Theory** | **Practice** | **Lab** | **ECTS** |  |
| IE 201 | Operations Research I | 3 | 3 | 0 | 0 | 5 | PREREQUISITE: “MATH 112” for BUSI / ‘’ MATH 1111” for ECON |
| **4 Spring Semester** | **Credits** | **Theory** | **Practice** | **Lab** | **ECTS** |  |
| IE 202 | Operations Research II | 3 | 3 | 0 | 0 | 5 | PREREQUISITE “IE 201 and MATH 201” or “IE 201 and BUSI 251” |
| IE 212 | Statistical Models | 3 | 3 | 0 | 0 | 5 | PREREQUISITE: “MATH 204” for BUSI / ‘’ STAT 1202” for ECON |
| **5 Fall Semester** | **Credits** | **Theory** | **Practice** | **Lab** | **ECTS** |  |
| IE 361 | Production Planning and Control | 3 | 3 | 0 | 0 | 6 | PREREQUISITE “IE 201” and “MATH 211” or “IE 201” and “MATH 204” for BUSI/ ‘’ STAT 1202” for ECON |
| IE 381 | Simulation | 4 | 3 | 0 | 2 | 7 | PREREQUISITE “IE 212” |
| **6 Spring Semester** | **Credits** | **Theory** | **Practice** | **Lab** | **ECTS** |  |
| IE 304 | Facility Layout and Design | 3 | 3 | 0 | 0 | 7 | PREREQUISITE “IE 201” |
| IE 303 | Operations Research III | 3 | 3 | 0 | 0 | 6 | PREREQUISITE “IE 202 and MATH 211” or “IE 202” and “MATH 204” for BUSI/ ‘’ STAT 1202” for ECON |
| IE 312 | Engineering Quality Control | 3 | 3 | 0 | 0 | 7 | PREREQUISITE “IE 212” |
| **7 Fall Semester** | **Credits** | **Theory** | **Practice** | **Lab** | **ECTS** |  |
| DAE XXX | Area Elective | 3 | 3 | 0 | 0 | 6 |  |
| **8 Spring Semester** | **Credits** | **Theory** | **Practice** | **Lab** | **ECTS** |  |
| DAE XXX | Area Elective | 3 | 3 | 0 | 0 | 6 |  |