Description: Image result for THE ICT UNIVERSITY

THE ICT FACULTY



|  |  |
| --- | --- |
|  | Course Allocation  Spring 2024 |
|  |  |

|  |  |
| --- | --- |
|  |  |
|  |  |
|  |  |

# 1.1 BSc Curriculum (ALL)

|  |
| --- |
| **Year One – BSc. ALL**  **C =Compulsory, E= Elective, R=University’s Requirement** |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Year /Semester** | **Course Titles** | **Course Codes** | **Credit Value** | **Course Status** | **Lecturer** |
| **Year 1 Spring** | Discrete Mathematics | MTH 1221 | 6 | Compulsory |  |
| Object Oriented Programming with C++ | CSC 1221 | 6 | Compulsory |  |
| Introduction to Networking | ISN 1231 | 6 | Compulsory |  |
| Algorithms and Data Structures II | CSC 1222 | 6 | Compulsory |  |
| Linear Algebra | MTH 1222 | 6 | Compulsory |  |
| Real Analysis II | MTH 1223 | 6 | Compulsory |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Year Two – BSc. ALL**  **C =Compulsory, E= Elective, R=University’s Requirement** | | | | | |
| **Year /Semester** | **Course Titles** | **Course Codes** | **Credit Value** | **Course Status** | **Lecturers** |
| **Year 2 Spring** | Object Oriented Analysis, Design and Implementation | SEN 2241 | 6 | Compulsory |  |
| Database Management Systems | ICT 2211 | 6 | Compulsory |  |
| Java Programming II | SEN 2242 | 6 | Compulsory |  |
| Computational Mathematics | MTH 2222 | 6 | Compulsory |  |
| Operating Systems | CSC 2221 | 6 | Compulsory |  |
| Computer Networking and Security | ISN 2231 | 6 | Elective |  |
|  | Introduction to Game Development | SEN 2243 | 6 | Elective |  |
|  | Introduction to IOT and Embedded Systems | CSC 2222 | 6 | Elective |  |

# 1.2 BSc Curriculum (Major in ICT)

|  |
| --- |
| **Year Three – BSc. ICT**  **C =Compulsory, E= Elective, R=University’s Requirement** |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Year /Semester** | **Course Titles** | **Course Codes** | **Credit Value** | **Course Status** | **Lecturers** |
| **Year 3 Spring** | IT Infrastructure Management | ICT 3211 | 6 | Compulsory |  |
| Android Application Development | SEN 3242 | 6 | Compulsory |  |
| Advanced Web Development | SEN 3243 | 6 | Compulsory |  |
| Software Architecture | SEN 3244 | 6 | Compulsory |  |
| Advanced Database Systems | ICT 3212 | 6 | Compulsory |  |
| Introduction to Data Science | CSC 3221 | 6 | Elective |  |
|  | CCNA 2 | ISN 3232 | 6 | Elective |  |
|  | Network/Computer Forensics | CYS 3251 | 6 | Elective |  |

|  |
| --- |
| **Year Four – BSc. ICT**  **C =Compulsory, E= Elective, R=University’s Requirement** |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Year /Semester** | **Course Titles** | **Course Codes** | **Credit Value** | **Course Status** | **Lecturers** |
| **Year 4 Spring** | Industrial Internship | ICT 4211 | 6 | Compulsory |  |
| Individual Research Project | ICT 4212 | 12 | Compulsory |  |

# 1.3 BSc Curriculum (Major in Software Engineering)

|  |
| --- |
| **Year Three – BSc. Software Engineering**  **C =Compulsory, E= Elective, R=University’s Requirement** |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Year /Semester** | **Course Titles** | **Course Codes** | **Credit Value** | **Course Status** | **Lecturers** |
| **Year 3 Spring** | Software Validation and Verification | SEN 3241 | 6 | Compulsory |  |
| Android Application Development | SEN 3242 | 6 | Compulsory |  |
| Advanced Web Development | SEN 3243 | 6 | Compulsory |  |
| Software Architecture | SEN 3244 | 6 | Compulsory |  |
| Advanced Database Systems | ICT 3212 | 6 | Compulsory |  |
| Introduction to Data Science | CSC 3221 | 6 | Elective |  |
|  | Network Management | ISN 3231 | 6 | Elective |  |
|  | Network/Computer Forensics | CYS 3251 | 6 | Elective |  |

|  |
| --- |
| **Year Four – BSc. Software Engineering**  **C =Compulsory, E= Elective, R=University’s Requirement** |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Year /Semester** | **Course Titles** | **Course Codes** | **Credit Value** | **Course Status** | **Lecturers** |
| **Year 4 Spring** | Industrial Internship | ICT 4211 | 6 | Compulsory |  |
| Individual Research Project | ICT 4212 | 12 | Compulsory |  |

# 1.4 BSc Curriculum (Major in Computer Science)

|  |
| --- |
| **Year Three – BSc. Computer Science**  **C =Compulsory, E= Elective, R=University’s Requirement** |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Year /Semester** | **Course Titles** | **Course Codes** | **Credit Value** | **Course Status** | **Lecturers** |
| **Year 3 Spring** | Software Validation and Verification | SEN 3241 | 6 | Compulsory |  |
| Android Application Development | SEN 3242 | 6 | Compulsory |  |
| Software Architecture | SEN 3244 | 6 | Compulsory |  |
| Advanced Web Development | SEN 3243 | 6 | Compulsory |  |
| Introduction to Data Science | CSC 3221 | 6 | Compulsory |  |
| CCNA2 | ISN 3232 | 6 | Elective |  |
|  | Network/Computer Forensics | CYS 3251 | 6 | Elective |  |

|  |
| --- |
| **Year Four – BSc. Computer Science**  **C =Compulsory, E= Elective, R=University’s Requirement** |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Year /Semester** | **Course Titles** | **Course Codes** | **Credit Value** | **Course Status** | **Lecturers** |
| **Year 4 Spring** | Industrial Internship | ICT 4211 | 6 | Compulsory |  |
| Individual Research Project | ICT 4212 | 12 | Compulsory |  |

# 1.5 BSc Curriculum (Major in Information Systems & Networking)

|  |
| --- |
| **Year Three – BSc. Information System & Networking**  **C =Compulsory, E= Elective, R=University’s Requirement** |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Year /Semester** | **Course Titles** | **Course Codes** | **Credit Value** | **Course Status** | **Lecturers** |
| **Year 3 Spring** | Network Management | ISN 3231 | 6 | Compulsory |  |
| Advanced Web Development | SEN 3243 | 6 | Compulsory |  |
| CCNA2 | ISN 3232 | 6 | Compulsory |  |
| Network/Computer Forensics | CYS 3251 | 6 | Compulsory |  |
| Android Application Development | SEN 3242 | 6 | Compulsory |  |
| Advanced Database Systems | ICT 3212 | 6 | Elective |  |
|  | Introduction to Data Science | CSC 3221 | 6 | Elective |  |
|  | Software Architecture | SEN 3244 | 6 | Elective |  |

|  |
| --- |
| **Year Four – BSc. Information System & Networking**  **C =Compulsory, E= Elective, R=University’s Requirement** |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Year /Semester** | **Course Titles** | **Course Codes** | **Credit Value** | **Course Status** | **Lecturers** |
| **Year 4 Spring** | Industrial Internship | ICT 4211 | 6 | Compulsory |  |
| Individual Research Project | ICT 4212 | 12 | Compulsory |  |

# 1.6 BSc Curriculum (Major in Cybersecurity)

|  |
| --- |
| **Year Three – BSc. Cybersecurity**  **C =Compulsory, E= Elective, R=University’s Requirement** |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Year /Semester** | **Course Titles** | **Course Codes** | **Credit Value** | **Course Status** | **Lecturers** |
| **Year 3 Spring** | Network Management | ISN 3231 | 6 | Compulsory |  |
| Advanced Web Development | SEN 3243 | 6 | Compulsory |  |
| CCNA2 | ISN 3232 | 6 | Compulsory |  |
| Network/Computer Forensics | CYS 3251 | 6 | Compulsory |  |
| Android Application Development | SEN 3242 | 6 | Compulsory |  |
| Advanced Database Systems | ICT 3212 | 6 | Elective |  |
|  | Introduction to Data Science | CSC 3221 | 6 | Elective |  |
|  | Software Architecture | SEN 3244 | 6 | Elective |  |

|  |
| --- |
| **Year Four – BSc. Information System & Networking**  **C =Compulsory, E= Elective, R=University’s Requirement** |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Year /Semester** | **Course Titles** | **Course Codes** | **Credit Value** | **Course Status** | **Lecturers** |
| **Year 4 Spring** | Industrial Internship | ICT 4211 | 6 | Compulsory |  |
| Individual Research Project | ICT 4212 | 12 | Compulsory |  |

# 1.7 BSc Curriculum (Major in Applied ICT in Journalism and Mass Communication)

|  |
| --- |
| **Year One – BSc. Applied ICT in Journalism and Mass Communication**  **C =Compulsory, E= Elective, R=University’s Requirement** |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Year /Semester** | **Course Titles** | **Course Codes** | **Credit Value** | **Course Status** | **Lecturers** |
| **Year 1 Spring** | Technical Writing for Journalists | JMC 1271 | 6 | Requirement |  |
| Communicative French II | JMC 1272 | 6 | Compulsory |  |
| Multimedia and Graphic Design I | JMC 1273 | 6 | Compulsory |  |
| Introduction to Public Speaking | JMC 1274 | 6 | Compulsory |  |
| Algorithms and Programming Essentials in Python | JMC 1275 | 6 | Compulsory |  |
| Ergonomics and Design Thinking for Journalists | JMC 1276 | 6 | Compulsory |  |