**LIST OF COURSES**

**FACULTY OF COMPUTER SCIENCE AND INFORMATION TECHNOLOGY**

| **NO.** | **COURSE CODE** | **COURSE NAME** | **CREDIT** | **LECTURE** | **LAB** | **PREREQUISITE** | **COURSE OFFER SEMESTER** |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | SSK3003 | Discrete Structures | 3 | 3 | 0 | None | 1 |
|  | SSK3100 | Computer Programming I | 4 | 3 | 1 | None | 1 |
|  | SSK3102 | Embedded Systems Programming | 3 | 2 | 1 | SSK3313 | 1 |
|  | SSK3118 | Data Structures and Algorithms | 3 | 3 | 0 | SSK3101 | 1 |
|  | SSK3408 | Database Application Development | 4 | 3 | 1 | SSK3101 | 1 |
|  | SSK4505 | Computer System Security | 3 | 3 | 0 | SSK3313 | 1 |
|  | SKM3001 | Multimedia Technology | 3 | 3 | 0 | None | 1 |
|  | SKM3300 | Multimedia Application Development | 3 | 2 | 1 | SSK3100 | 1 |
|  | SKM4200 | Computer Animation | 3 | 2 | 1 | SKM3200 | 1 |
|  | SKR3303 | Network Programming | 3 | 2 | 1 | SKR3200 | 1 |
|  | SKR3504 | Network Analysis and Design | 3 | 3 | 0 | SKR3200 | 1 |
|  | SKR4200 | Network Security | 3 | 3 | 0 | SKR3504 | 1 |
|  | SKR4401 | Distributed Systems | 3 | 3 | 0 | SKR3504 | 1 |
|  | SSE3150 | Web Application Development | 3 | 2 | 1 | SSK3101 | 1 |
|  | SSE3202 | Human- Computer Interaction | 3 | 3 | 0 | SSK3101 | 1 |
|  | SSE3304 | Software Design | 3 | 3 | 0 | SSE3301 or SSE3001 | 1 |
|  | SSE4300 | Software Project Management | 3 | 3 | 0 | SSE3301 or SSE3001 | 1 |
|  | SSE4306 | Software Quality | 3 | 3 | 0 | SSE3305 | 1 |
|  | SSK3101 | Computer Programming II | 4 | 3 | 1 | SSK3100 | 2 |
|  | SSK3207 | Computer Organization and Assembly Language | 3 | 3 | 0 | SSK3100 | 2 |
|  | SSK3313 | Operating System | 3 | 2 | 1 | SSK3207 | 2 |
|  | SSK4401 | Database Systems | 3 | 3 | 0 | SSK3118 and SSK3408 | 2 |
|  | SSK4602 | Intelligent Computing | 3 | 3 | 0 | SSK3118 | 2 |
|  | SKM3200 | Computer Graphics | 3 | 2 | 1 | SSK3118 | 2 |
|  | SKM4212 | Audio Visual Digitisation | 3 | 2 | 1 | SKM3300 | 2 |
|  | SKM4213 | Digital Image Processing | 3 | 2 | 1 | SSK3101 | 2 |
|  | SKM4214 | Pattern Recognition | 3 | 2 | 1 | SSK3118 | 2 |
|  | SKR3200 | Computer Network and Communication | 3 | 3 | 0 | None | 2 |
|  | SKR3201 | Internetworking | 3 | 3 | 0 | SKR3504 | 2 |
|  | SKR3202 | Distributed and Parallel Computing | 3 | 3 | 0 | SKR3200 | 2 |
|  | SKR3308 | Parallel and Distributed Programming | 3 | 2 | 1 | SKR3202 and SKR3303 | 2 |
|  | SKR3309 | Network Protocol | 3 | 2 | 1 | SKR3504 | 2 |
|  | SKR4301 | Network Management | 3 | 3 | 0 | SKR3504 | 2 |
|  | SKR4307 | Mobile Application | 3 | 2 | 1 | SKR3200 | 2 |
|  | SSE3001 | Introduction to Software Engineering | 3 | 3 | 0 | SSK3101 | 2 |
|  | SSE3301 | Software Requirements Engineering | 3 | 3 | 0 | SSK3100 | 2 |
|  | SSE3305 | Software Testing | 3 | 3 | 0 | SSE3304 | 2 |
|  | SSE3306 | Human-Computer Interface | 3 | 3 | 0 | SSE3304 | 2 |
|  | SSE4301 | Software Engineering Team Project | 3 | 2 | 1 | SSE4300 | 2 |
|  | SIM3251 | Statistics for Computer Science | 3 | 3 | 0 | None | 2 |
|  | SIM4207 | Ethics in Computing | 3 | 3 | 0 | SSK3100 | 2 |