



Faculty of Computing and Information Technology

ELECTIVE COURSE LIST

قائمة المواد الاختيارية
كلية الحاسبات و تقنية المعلومات

المواد الاختيارية لعلوم الحاسب

| Code | Course Title | Credits | Prerequisite |
|-----------|-----------------------------------|---------|--------------------|
| CPCS 425: | Information Security | 3 | CPCS-361, CPCS-371 |
| CPCS 463: | Computing Systems Security | 3 | CPCS-361, CPCS-371 |
| CPCS 464: | Dependable Computing | 3 | - |
| CPCS 494: | Selected Topics | 3 | - |
| CPCS 432: | Artificial Intelligence (II) | 3 | CPCS-331 |
| CPCS 433: | Artificial Intelligence Topics | 3 | CPCS-331 |
| CPCS 482: | Multimedia & UI Design | 3 | CPCS-381 |
| CPCS 494: | Selected Topics | 3 | - |
| CPCS 403: | Internet Application Programming | 3 | CPCS-371, CPCS-324 |
| CPCS 466: | System Programming | 3 | CPCS-361 |
| CPCS 494: | Selected Topics | 3 | - |
| CPCS 405: | Software Technology Topics | 3 | CPCS-351 |
| CPCS 372: | Computer Network (II) | 3 | CPCS-371 |
| CPCS 473: | Computer Network Practice | 3 | CPCS-371 |
| CPCS 474: | TCP/IP & Web Networking | 3 | CPCS-371 |
| CPCS 413: | Computer Architecture (II) | 3 | CPCS-214 |
| CPCS 414: | High Performance Computing | 3 | CPCS-361 |
| CPCS 494: | Selected Topics | 3 | - |
| CPCS 353: | Software Engineering Practices | 3 | CPCS-351 |
| CPCS 404: | Component-Based Computing | 3 | CPCS-351 |
| CPCS 454: | Object-Oriented Analysis & Design | 3 | CPCS-351 |
| CPCS 457: | Software Engineering Theory | 3 | CPCS-351 |



Information Security



Intelligent Systems



Advanced Computer Programming



Network Computing



High Performance Computing



Software Engineering

المواد الاختيارية لتقنية المعلومات

| Code | Course Title | Credits | Prerequisite |
|-----------|--|---------|--------------|
| CPIT 375: | Data Network Design and Evaluation | 3 | CPIT-370 |
| CPIT 475: | Wireless Data Networks | 3 | CPIT-370 |
| CPIT 340: | Database (II) | 3 | CPIT-240 |
| CPIT 440: | Data Mining and Warehousing | 3 | CPIT-240 |
| CPIT 445: | Knowledge Engineering | 3 | CPIT-440 |
| CPIT 455: | Software Engineering (II) | 3 | CPIT-251 |
| CPIT 456: | Software Economics | 3 | CPIT-251 |
| CPIT 430: | Decision Support Systems | 3 | CPIT-330 |
| CPIT 436: | E-Buisness Technology | 3 | CPIT-435 |
| CPIT 480: | Fundamentals of Instructional Techniques | 3 | CPIT-380 |
| CPIT 485: | User-Centered System Design | 3 | CPIT-280 |
| CPIT 490: | Selected Topics in IT* | 3 | - |



Network



Database



Software Engineering



College Free

المواد الاختيارية لنظم المعلومات

| Code | Course Title | Credits | Prerequisite |
|-----------|---|---------|--------------------|
| CPIS 382: | Dev of E-Systems & Interface Design | 3 | CPIS-358 |
| CPIS 483: | E-Systems Applications | 3 | CPIS-380 |
| CPIS 486: | E-Business Strategies | 3 | CPIS-380 |
| CPIS 363: | Intelligent Systems | 3 | CPIS-250 |
| CPIS 490: | Selected Topics in IS* | 3 | - |
| CPIS 320: | Decision Support Systems and Theory | 3 | CPIS-220, CPIS-250 |
| CPIS 420: | Techniques of Decision Support Systems | 3 | CPIS-320 |
| CPIS 424: | Modeling and Simulations | 3 | CPIS-250 |
| CPIS 363: | Intelligent Systems | 3 | CPIS-250 |
| CPIS 490: | Selected Topics in IS* | 3 | - |
| STAT 217: | Introduction to Quantitative Analysis | 4 | STAT-210 |
| ACCP 334: | Business Analysis | 2 | MRKT-260 |
| STAT 260: | Operations Research | 4 | STAT-210 |
| CPIS 330: | Advanced Project & Quality Management | 3 | CPIS-334, CPIS-357 |
| CPIS 340: | Database Management Systems (II) | 4 | CPIS-240 |
| CPIS 350: | Systems Design Patterns | 3 | CPIS-250 |
| CPIS 356: | SW Metrics and Economics | 3 | CPIS-250 |
| CPIS 360: | Advanced Information Systems Technologies | 3 | CPIS-240 |
| CPIS 430: | IS Change Management | 3 | CPIS-330 |
| CPIS 444: | Knowledge Management | 3 | CPIS-240 |
| CPIS 461: | Business Information Systems | 3 | CPIS-360 |
| CPIS 462: | Information Systems Applications | 3 | CPIS-461 |
| CPIS 464: | Distributed Systems | 3 | CPIS-370 |
| CPIS 465: | Geographical Information Systems | 3 | CPIS-220, CPIS-250 |
| CPIS 466: | Office Automation Systems | 3 | MRKT-260, CPIS-351 |
| CPIS 472: | Data Networks Design & Management | 3 | CPIS-370 |



E-System Development



Decision Support Systems



College Free