



"Study plan for the Information Technology Department

2022-t2021

| First Year | | First Semester | | | | | |
|-------------|-------|-----------------------|------|--------------|----|----|--|
| No. | Code | Subjects | C.H. | Weekly Hours | | | |
| | | | | Le | Pr | Tr | |
| 1 | UR111 | Communication Skills | 2 | ٢ | | | |
| 2 | UR112 | Arabic Language I | ٢ | ٢ | | | |
| 3 | FR102 | Mathematics I | ٣ | ٢ | | ٢ | |
| 4 | IT111 | Computer Fundamentals | ٣ | ٢ | ٢ | | |
| 5 | IT112 | Programming I | ٣ | ٢ | ٢ | | |
| 6 | UR113 | English Language I | ٢ | ٢ | | | |
| 7 | FR105 | Computer Applications | ٢ | | ٤ | | |
| Total Hours | | | ١٧ | ١٢ | ٨ | ٢ | |

| First Year | | Second Semester | | | | | |
|-------------|-------|-------------------------------------|------|--------------|----|----|--|
| No. | Code | Subjects | C.H. | Weekly Hours | | | |
| | | | | Le | Pr | Tr | |
| 1 | UR121 | Arabic Language II | 2 | ٢ | | | |
| 2 | UR122 | Islamic Culture | 2 | ٢ | | | |
| 3 | FR114 | Mathematics II | ٣ | 2 | | 2 | |
| 4 | IT121 | Logic Design | 3 | 2 | 2 | | |
| 5 | FR103 | Programming II | ٣ | ٢ | | ٢ | |
| 6 | IT122 | Information Technology Fundamentals | 3 | 2 | 2 | | |
| 7 | UR123 | English Language II | 2 | ٢ | | | |
| Total Hours | | | ١٨ | ١٤ | ٤ | ٤ | |



| Second Year | | | | Third Semester | | | |
|-------------|-------|--|------|----------------|----|----|--|
| No. | Code | Subjects | C.H. | Weekly Hours | | | |
| | | | | Le | Pr | Tr | |
| 1 | FR110 | Technical English I | ٢ | ٢ | | | |
| 2 | IT211 | Object Oriented Programming | ٣ | ٢ | | ٢ | |
| 3 | IT212 | Data Structures I | ٣ | ٢ | ٢ | | |
| 4 | IT213 | Computer Architecture and Organization | ٣ | ٢ | ٢ | | |
| 5 | IT221 | Information System | ٣ | ٢ | ٢ | | |
| 6 | FR113 | Discrete Mathematics | ٣ | 2 | | 2 | |
| Total Hours | | | 17 | ١٢ | ٤ | 6 | |

| Second Year | | | | Fourth Semester | | | |
|-------------|-------|--------------------------------|------|-----------------|----|----|--|
| No. | Code | Subjects | C.H. | Weekly Hours | | | |
| | | | | Le | Pr | Tr | |
| 1 | FR211 | Technical English II | ٢ | ٢ | | | |
| 2 | FR112 | Probability and Statistics | 3 | 2 | | 2 | |
| 3 | IT222 | Systems Analysis and Design | ٣ | ٢ | ٢ | | |
| 4 | IT223 | Data Structures II | ٣ | ٢ | ٢ | | |
| 5 | IT224 | Business Management Principles | 2 | 2 | | | |
| 6 | IT225 | Fundamentals of Database | ٣ | ٢ | ٢ | | |
| Total Hours | | | 16 | 12 | ٨ | | |



| Third Year | | | Fifth Semester | | | | |
|-------------|-------|---------------------------|----------------------------|--------------|----|----|---|
| No. | Code | Subjects | C.H. | Weekly Hours | | | |
| | | | | Le | Pr | Tr | |
| 1 | IT311 | Software Engineering | هندسة البرمجيات | ٣ | ٢ | | ٢ |
| 2 | IT312 | Advanced Database Systems | قواعد بيانات متقدم | ٣ | ٢ | ٢ | |
| 3 | IT313 | E-Commerce | التجارة الإلكترونية | ٣ | ٢ | | ٢ |
| 4 | IT314 | Web Technology I | تقنيات ويب I | ٣ | ٢ | ٢ | |
| 5 | IT315 | Data Communications | تراسل البيانات | ٣ | ٢ | ٢ | |
| 6 | IT316 | Multimedia Technologies | تكنولوجيا الوسائط المتعددة | ٣ | ٢ | ٢ | |
| Total Hours | | | | ١٨ | ١٢ | ٨ | ٤ |

| Third Year | | | Sixth Semester | | | | |
|-------------|-------|----------------------------|--------------------------|--------------|----|----|---|
| No. | Code | Subjects | C.H. | Weekly Hours | | | |
| | | | | Le | Pr | Tr | |
| 1 | IT321 | Operating Systems | نظم التشغيل | ٣ | ٢ | ٢ | |
| 2 | FR402 | Professional Ethics | أخلاقيات المهنة | ٣ | ٣ | | |
| 3 | IT323 | Visual Programming | برمجة مرئية | ٣ | ٢ | | ٢ |
| 4 | IT324 | Web Technology II | تقنيات ويب II | ٣ | ٢ | ٢ | |
| 5 | IT325 | Computer Networks | شبكات الحاسوب | ٣ | ٢ | ٢ | |
| 6 | IT326 | Human Computer Interaction | تفاعل الإنسان مع الحاسوب | ٣ | 2 | | 2 |
| Total Hours | | | | ١٨ | ١٢ | ٦ | ٦ |

التدريب الصيفي لمدة ثمانية اسابيع في مؤسسه ذات علاقة بالتخصص

Summer training for a period of no less than 8 weeks



| Fourth Year | | | | Seventh Semester | | | |
|--------------------|-------|-------------------------------|---------------------------------|------------------|--------------|----------|----------|
| No. | Code | Subjects | | C.H. | Weekly Hours | | |
| | | | | | Le | Pr | Tr |
| 1 | IT411 | Advanced Programming | برمجة متقدمة | 3 | 2 | 2 | |
| 2 | IT412 | Elective I | اختياري I | 3 | 3 | | |
| 3 | IT413 | Mobile Networks and Computing | شبكات الجوال (المحمول) والحوسبة | 3 | 2 | 2 | |
| 4 | IT414 | Research Methodology | مناهج البحث | 2 | 2 | | |
| 5 | IT415 | Information Security | أمنية المعلومات | 3 | 2 | 2 | |
| Total Hours | | | | 14 | 11 | 6 | - |

| Fourth Year | | | | Eighth Semester | | | |
|--------------------|-------|-----------------------|------------------------------------|-----------------|--------------|-----------|----|
| No. | Code | Subjects | | C.H. | Weekly Hours | | |
| | | | | | Le | Pr | Tr |
| 1 | IT421 | Elective II | اختياري II | 3 | 3 | | |
| 2 | IT422 | IT Project Management | ادارة مشاريع تقنية المعلومات | 3 | 2 | 2 | |
| 3 | IT223 | Current Issues in IT | القضايا الراهنة في تقنية المعلومات | 3 | 3 | | |
| 4 | IT425 | Data Mining | تنقيب البيانات | 3 | 2 | 2 | |
| 5 | IT424 | Graduation Project | مشروع تخرج | 3 | | 6 | |
| Total Hours | | | | 15 | 10 | 10 | |



| (Elective Courses) المقررات الاختيارية | | | | | | | |
|--|-----------------|-------------------------------------|------|-----|-------|-------------------------|------|
| No. | Code | Subjects | C.H. | No. | Code | Subjects | C.H. |
| 1 | ITX27 | Image processing | ٣ | 5 | ITX31 | Neural Networks | ٣ |
| 2 | ITX28 | Big data | ٣ | 6 | ITX32 | Fuzzy Logic | ٣ |
| 3 | ITX29 | Cloud Computing | ٣ | 7 | ITX33 | Artificial Intelligence | ٣ |
| 4 | ITX30 | Distributed System | ٣ | 8 | ITX34 | Machine Learning | ٣ |
| 9 | ITX35 | System Integration and Architecture | 3 | 10 | ITX36 | Decision support System | 3 |
| 11 | ما يقترحه القسم | | | | | | |