

جامعة الزيتونة الأردنية

Al-Zaytoonah University of Jordan

كلية العلوم وتكنولوجيا المعلومات

Faculty Of Science & IT



" حيث تصبح الرؤية واقعاً" "When Vision Becomes

" عراقة وجودة" Tradition and Quality

| "When V1s1 Reality" | on Becon | nes | | Tra | aditio | on and Quality | |
|--|---------------------------|--|--|-----------------------------|---------------|------------------------------------|--|
| | ourse descr | | Development and Updating Proce ftware Engineering | edures | Q | PF01/0409-3.0E | |
| Faculty | | Science & IT | Academic Department | Software Engineerin | | Number of the | |
| Number of Major requirement courses | | 30 Date of plan approval | | 30/8/201 | 7 | course plan (2017-2018) | |
| This form is ju | ust for the | major requirement | t courses | | | | |
| Course number | Credit hours | | Title of the course | | | Prerequisite-co- requisite | |
| 0114211 | 3 | | Discrete Mathematics | | | Introduction to IT | |
| Exponents, H | Errors (ab | solute and relative | cs and specific applications in), Propositions Logic, Pred Methods of Proof, Sets, Rel | icates and Q | uantif | iers, Quantifier | |
| Course number | Credit hours | | Title of the course | | I | Prerequisite-co- requisite | |
| 0114212 | 3 | | Data Structure | | | Object Oriented Programming | |
| Course | Credit | the real life appli | cations. Title of the course | | | Prerequisite-co- | |
| number 0114221 | hours 3 | (| Desci Oriented Programming | | I | requisite Principles of | |
| This course g | gains knov | l wledge about basi | c Java language syntax and | semantics to | | Programming 9 Java program | |
| and use con understanding objects, invok | the functing metho | ich as variables, lamentals of obje | conditional and iterative ect-oriented programming in the main principles in OOP | execution m Java, includ | ethoc ling | ls etc. Beside defining classes | |
| Course number | Credit hours | | Title of the course | | | Prerequisite-co- requisite | |
| 0114222 | 3 | | Visual Programming | | | Object Oriented Programming | |
| forms to be us | ser friendly roblem fo | y and clear using or a program with | t forms by using the different the Integrated Development E having "Exception Handling". | Environment | (IDE) |). It also solves | |
| Course number | Credit hours | | Title of the course | | | Prerequisite-co- equisite | |
| 0114231 | 3 | | Digital Logic Design | | | 0114211 | |
| | | | pics: the number systems and hary codes, Boolean Algebra | | | | |



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" حيث تصبح الرؤية واقعاً" When Vision Becomes" Reality



| Brief course description- Course Plan Development and Updating Procedures | QF01/0409-3.0E |
|---|----------------|
| Department of Software Engineering | Q |
| | |

| method, Combinational circuits, MSI circuits, Sequential circuits, Registers and counters. | | | | | | |
|--|---|--|---------------------------------------|--|--|--|
| Course | Credit | Title of the course | Prerequisite-co- | | | |
| number | hours | | requisite | | | |
| 0114252 | 3 | Software Specifications and design | Software | | | |
| | | | Engineering | | | |
| | | | Principles | | | |
| This course w | vill provide | e invaluable information on how to write and structure requirem | ents, whilst | | | |
| explaining the | e importan | ce of Systems Engineering and the creation of effective solution | ns to problems. | | | |
| Course | Credit | Title of the course | Prerequisite-co- | | | |
| number | hours | | requisite | | | |
| 0114313 | 3 | Algorithms | 0114212 | | | |
| | ims to intr | oduce the concepts of algorithm design and analysis. Its topics | | | | |
| | | lying summations and recurrences. Efficiency and complexity a | | | | |
| U | - | hms. Binary trees. Hashing methods and solving collision in ha | • | | | |
| 0, | 0 | , merge sort and quicksort. Graph terminology, representation a | 0 1 | | | |
| | | uskal, Dijkstra and Floyd. Breadth-first and depth-first search. | | | | |
| - | | d dynamic programming techniques. | 8 | | | |
| Course | Credit | Title of the course | Prerequisite-co- | | | |
| number | hours | | requisite | | | |
| 0114423 | 3 | Internet Application Programming | Web Design | | | |
| This course will cover the following topics which help student to build a strong website An introduction | | | | | | |
| to ASP.NET programming, ASP Standard Server Control, Validation Control, transfer data between | | | | | | |
| pages cookies, session and URL encoding, designing webpage using HTML, CSS and master pages, | | | | | | |
| | | T Controls and Security of website | , , , , , , , , , , , , , , , , , , , | | | |
| Course | Credit | Title of the course | Prerequisite-co- | | | |
| number | hours | | requisite | | | |
| 114332 | 3 | Computer Organization & Architecture | 0114231 | | | |
| | Computer architecture is concerned with computer design , organization , operating systems, | | | | | |
| - | | her materials. This course introduces the following topics: Regi | | | | |
| | | circuit, Bus system, Simple computer architecture, Control unit, | | | | |
| | | tectures, Parallel processing, CISC and RISC computers, Mode | | | | |
| - | - | | | | | |
| Course number | Credit | Title of the course | Prerequisite-co- | | | |
| | hours | $\mathbf{D} + 1$ (1) | requisite | | | |
| 0114341 | 3 | Database (1) | Data Structure | | | |
| | This course emphasis on database design methodology that is explicitly divided into three phases: | | | | | |
| conceptual, logical, and physical. This course focuses on an introduction to database systems design | | | | | | |
| implementation and management issues, as well as an extensive treatment of database languages and | | | | | | |
| standards. | 0 " | | D · · | | | |
| Course | Credit | Title of the course | Prerequisite-co- | | | |
| number | hours | | requisite | | | |
| 0114343 | 3 | Systems Analysis & Design | Software | | | |
| | | | Architecture | | | |



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" حيث تصبح الرؤية واقعاً" "When Vision Becomes Reality" Brief course description- Course Plan Development and Updating Procedures

" عراقة وجودة" Tradition and Quality

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| Drief | 00100 00001 | iption- Course Plan Development and Updating Procedures\ Department of Software Engineering | QF01/0409-3.0E | | | | |
|---|---|--|---|--|--|--|--|
| This course is | a raflaction | of the presentie philosophy of software development as an anci | nooring dissipling. It | | | | |
| This course is a reflection of the pragmatic philosophy of software development as an engineering discipline. It implements an object-oriented approach using UML methods to create software system. This course introduces | | | | | | | |
| the concepts of IBM Rational Rose tools to elaborate systems through software engineering diagrams | | | | | | | |
| Course | Credit | Title of the course | Prerequisite-co- | | | | |
| number | hours | The of the course | requisite | | | | |
| 0114442 | 3 | Database Management Systems | Database (1) | | | | |
| The aim of the course is to introduce students to the current techniques, methods and results from the | | | | | | | |
| | | se systems and data management. Typical topics include | | | | | |
| | | n processing and concurrency control, database secu | | | | | |
| - | | odels, systems, and applications such as data mining, d | • | | | | |
| | | ndexing, and hashing. | and warehousing and | | | | |
| Course | Credit | Title of the course | Prerequisite-co- | | | | |
| number | hours | The of the course | requisite | | | | |
| 0114251 | 3 | Software Engineering Principles | 0120117 | | | | |
| | e | an overview of the software engineering discipline, introd | | | | | |
| | 1 | and methods of software engineering. The course highlig | 0 | | | | |
| | | o software products by presenting the software development | F | | | | |
| Course | 1 1 | | | | | | |
| | Credit | Title of the course | Prerequisite-co- | | | | |
| number | hours | | requisite | | | | |
| | | | 0114051 | | | | |
| 0114252 | 3 | Software Specifications and design e invaluable information on how to write and structure requi | 0114251 irements, whilst | | | | |
| 0114252 This course v explaining th | 3 vill provide e importan | e invaluable information on how to write and structure requi ce of Systems Engineering and the creation of effective solu | rements, whilst utions to problems. | | | | |
| 0114252 This course v explaining th Course | 3 vill provide e importan Credit | e invaluable information on how to write and structure requi | rements, whilst utions to problems. Prerequisite-co- | | | | |
| 0114252 This course v explaining th Course number | 3 vill provide e importan Credit hours | e invaluable information on how to write and structure requi ce of Systems Engineering and the creation of effective solu Title of the course | Prerequisite-co- requisite | | | | |
| 0114252 This course v explaining th Course number 0114453 | 3 vill provide e importan Credit hours 3 | e invaluable information on how to write and structure requi ce of Systems Engineering and the creation of effective solu Title of the course Software Testing | Prerequisite-co- requisite 0114343 | | | | |
| 0114252 This course v explaining th Course number 0114453 This emphasia | 3 vill provide e importan Credit hours 3 s course o | e invaluable information on how to write and structure requi ce of Systems Engineering and the creation of effective solu Title of the course Software Testing n software testing techniques to identify and resolve software | Prerequisite-co- requisite 0114343 re problems and | | | | |
| 0114252 This course v explaining th Course number 0114453 This emphasis high-risk issu | 3 vill provide e important Credit hours 3 s course o es early in | e invaluable information on how to write and structure requi ce of Systems Engineering and the creation of effective solu Title of the course Software Testing n software testing techniques to identify and resolve software the software lifecycle. Applying software testing to all pha | Prerequisite-co- requisite 0114343 re problems and ses of the software | | | | |
| 0114252 This course v explaining th Course number 0114453 This emphasi high-risk issu development | 3 vill provide e important Credit hours 3 s course o es early in lifecycle j | e invaluable information on how to write and structure requi ce of Systems Engineering and the creation of effective solu Title of the course Software Testing n software testing techniques to identify and resolve software the software lifecycle. Applying software testing to all pha process that includes planning, reporting, testing, auditing, re- | Prerequisite-co- requisite 0114343 re problems and ses of the software | | | | |
| 0114252 This course v explaining th Course number 0114453 This emphasi high-risk issu development techniques, a | 3 vill provide e important Credit hours 3 s course o es early in lifecycle p nd related | e invaluable information on how to write and structure requi ce of Systems Engineering and the creation of effective solu Title of the course Software Testing n software testing techniques to identify and resolve software the software lifecycle. Applying software testing to all pha- process that includes planning, reporting, testing, auditing, re- testing tools. | Prerequisite-co- requisite 0114343 re problems and ses of the software eviewing, inspection | | | | |
| 0114252 This course v explaining th Course number 0114453 This emphasis high-risk issu development techniques, a Course | 3 vill provide e important Credit hours 3 s course o es early in lifecycle p nd related Credit | e invaluable information on how to write and structure requi ce of Systems Engineering and the creation of effective solu Title of the course Software Testing n software testing techniques to identify and resolve software the software lifecycle. Applying software testing to all pha process that includes planning, reporting, testing, auditing, re- | Prerequisite-co- requisite 0114343 re problems and ses of the software eviewing, inspection Prerequisite-co- | | | | |
| 0114252 This course v explaining th Course number 0114453 This emphasia high-risk issu development techniques, a Course number | 3 vill provide e important Credit hours 3 s course o es early in lifecycle p nd related Credit hours | e invaluable information on how to write and structure requi ce of Systems Engineering and the creation of effective solu Title of the course Software Testing n software testing techniques to identify and resolve software the software lifecycle. Applying software testing to all pha- process that includes planning, reporting, testing, auditing, re- testing tools. Title of the course | Prerequisite-co- requisite 0114343 re problems and ses of the software eviewing, inspection Prerequisite-co- requisite | | | | |
| 0114252 This course v explaining th Course number 0114453 This emphasis high-risk issu development techniques, a Course number 114354 | 3 vill provide e important Credit hours 3 s course o es early in lifecycle p nd related Credit hours 3 | e invaluable information on how to write and structure requi ce of Systems Engineering and the creation of effective solu Title of the course Software Testing n software testing techniques to identify and resolve software the software lifecycle. Applying software testing to all pha process that includes planning, reporting, testing, auditing, re testing tools. Title of the course Software Architecture | Prerequisite-co- requisite 0114343 re problems and ses of the software eviewing, inspection Prerequisite-co- requisite 114252 | | | | |
| 0114252 This course v explaining th Course number 0114453 This emphasia high-risk issu development techniques, a Course number 114354 This course v | 3 vill provide e important Credit hours 3 s course o es early in lifecycle p nd related Credit hours 3 vill introdu | e invaluable information on how to write and structure requi ce of Systems Engineering and the creation of effective solu Title of the course Software Testing n software testing techniques to identify and resolve software the software lifecycle. Applying software testing to all pha- process that includes planning, reporting, testing, auditing, re- testing tools. Title of the course Software Architecture ce the software design in general. Then it will discuss in de | Prerequisite-co- requisite 0114343 re problems and ses of the software eviewing, inspection Prerequisite-co- requisite 114252 pth the software | | | | |
| 0114252 This course v explaining th Course number 0114453 This emphasia high-risk issu development techniques, a Course number 114354 This course v Architecture | 3 vill provide e important Credit hours 3 s course o es early in lifecycle p nd related Credit hours 3 vill introdu Design. Th | e invaluable information on how to write and structure requi ce of Systems Engineering and the creation of effective solu Title of the course Software Testing n software testing techniques to identify and resolve software the software lifecycle. Applying software testing to all pha process that includes planning, reporting, testing, auditing, re testing tools. Title of the course Software Architecture | Prerequisite-co- requisite 0114343 re problems and ses of the software eviewing, inspection Prerequisite-co- requisite 114252 pth the software | | | | |
| 0114252 This course v explaining th Course number 0114453 This emphasia high-risk issu development techniques, a Course number 114354 This course v | 3 vill provide e important Credit hours 3 s course o es early in lifecycle p nd related Credit hours 3 vill introdu Design. Th | e invaluable information on how to write and structure requi ce of Systems Engineering and the creation of effective solu Title of the course Software Testing n software testing techniques to identify and resolve software the software lifecycle. Applying software testing to all pha- process that includes planning, reporting, testing, auditing, re- testing tools. Title of the course Software Architecture ce the software design in general. Then it will discuss in de | Prerequisite-co- requisite 0114343 re problems and ses of the software eviewing, inspection Prerequisite-co- requisite 114252 pth the software | | | | |
| 0114252 This course v explaining th Course number 0114453 This emphasia high-risk issu development techniques, a Course number 114354 This course v Architecture Documenting | 3 vill provide e important Credit hours 3 s course o es early in lifecycle p nd related Credit hours 3 vill introdu Design. Th | e invaluable information on how to write and structure requi ce of Systems Engineering and the creation of effective solu Title of the course Software Testing n software testing techniques to identify and resolve software the software lifecycle. Applying software testing to all pha- process that includes planning, reporting, testing, auditing, re- testing tools. Title of the course Software Architecture ce the software design in general. Then it will discuss in de ne course will include: Architecture Design Process, Design | Prerequisite-co- requisite 0114343 re problems and ses of the software eviewing, inspection Prerequisite-co- requisite 114252 pth the software Patterns, and Design | | | | |
| 0114252 This course wexplaining the Course number 0114453 This emphasic high-risk issue development techniques, a Course number 114354 This course we Architecture Documenting | 3 vill provide e important Credit hours 3 s course o es early in lifecycle µ nd related Credit hours 3 vill introdu Design. Th Credit | e invaluable information on how to write and structure requi ce of Systems Engineering and the creation of effective solu Title of the course Software Testing n software testing techniques to identify and resolve software the software lifecycle. Applying software testing to all pha- process that includes planning, reporting, testing, auditing, re- testing tools. Title of the course Software Architecture ce the software design in general. Then it will discuss in de | Prerequisite-co- requisite 0114343 re problems and ses of the software eviewing, inspection Prerequisite-co- requisite 114252 pth the software Patterns, and Design Prerequisite-co- | | | | |
| 0114252 This course v explaining th Course number 0114453 This emphasis high-risk issu development techniques, a Course number 114354 This course v Architecture Documenting Course number | 3 vill provide e important Credit hours 3 s course o es early in lifecycle p nd related Credit hours 3 vill introdu Design. Th Credit hours | e invaluable information on how to write and structure requi ce of Systems Engineering and the creation of effective solu Title of the course Software Testing n software testing techniques to identify and resolve software the software lifecycle. Applying software testing to all pha process that includes planning, reporting, testing, auditing, re- testing tools. Title of the course Software Architecture ce the software design in general. Then it will discuss in de ne course will include: Architecture Design Process, Design Title of the course | rements, whilst utions to problems. Prerequisite-co- requisite 0114343 re problems and ses of the software eviewing, inspection Prerequisite-co- requisite 114252 pth the software Patterns, and Design Prerequisite-co- requisite | | | | |
| 0114252 This course were were a course of the course of th | 3 vill provide e important Credit hours 3 s course o es early in lifecycle p nd related Credit hours 3 vill introdu Design. Th Credit hours 3 vill introdu Design. Th | e invaluable information on how to write and structure requi ce of Systems Engineering and the creation of effective sole Title of the course Software Testing n software testing techniques to identify and resolve software the software lifecycle. Applying software testing to all pha process that includes planning, reporting, testing, auditing, re testing tools. Title of the course Software Architecture ce the software design in general. Then it will discuss in de ne course will include: Architecture Design Process, Design Title of the course Software Development and Documentation | irements, whilst ations to problems. Prerequisite-co-requisite 0114343 re problems and ses of the software eviewing, inspection Prerequisite-co-requisite 114252 pth the software Patterns, and Design Prerequisite-co-requisite 0114252 | | | | |
| 0114252 This course wexplaining the Course number 0114453 This emphasic high-risk issue development techniques, a Course number 114354 This course we Architecture Documenting Course number 0114455 This course | 3 vill provide e important Credit hours 3 s course o es early in lifecycle µ nd related Credit hours 3 vill introdu Design. The Credit hours 3 vill introdu January Introdu January January | e invaluable information on how to write and structure requi ce of Systems Engineering and the creation of effective solu Title of the course Software Testing n software testing techniques to identify and resolve software the software lifecycle. Applying software testing to all pha process that includes planning, reporting, testing, auditing, re- testing tools. Title of the course Software Architecture ce the software design in general. Then it will discuss in de ne course will include: Architecture Design Process, Design Title of the course Software Development and Documentation d to teach fundamental software development concepts an | Prerequisite-co- requisite 0114343 re problems and ses of the software eviewing, inspection Prerequisite-co- requisite 114252 pth the software Patterns, and Design Prerequisite-co- requisite 0114252 nd techniques for the | | | | |
| 0114252 This course v explaining th Course number 0114453 This emphasis high-risk issu development techniques, a Course number 114354 This course v Architecture Documenting Course number 0114455 This course construction | 3 vill provide e important Credit hours 3 s course o es early in lifecycle p nd related Credit hours 3 vill introdu Design. Th Credit hours 3 vill introdu Design. Th Credit hours 3 is intendee of softward | e invaluable information on how to write and structure requi ce of Systems Engineering and the creation of effective sole Title of the course Software Testing n software testing techniques to identify and resolve software the software lifecycle. Applying software testing to all pha process that includes planning, reporting, testing, auditing, re- testing tools. Title of the course Software Architecture ce the software design in general. Then it will discuss in de ne course will include: Architecture Design Process, Design Title of the course Software Development and Documentation d to teach fundamental software development concepts ar- re systems. The course focus is on software impleme | Prerequisite-co- requisite 0114343 re problems and ses of the software eviewing, inspection Prerequisite-co- requisite 114252 pth the software Patterns, and Design Prerequisite-co- requisite 0114252 nd techniques for the ntation, covering the | | | | |
| 0114252 This course v explaining th Course number 0114453 This emphasia high-risk issu development techniques, a Course number 114354 This course v Architecture Documenting Course number 0114455 This course construction following top | 3 vill provide e important Credit hours 3 s course o es early in lifecycle p nd related Credit hours 3 vill introdu Design. Th Credit hours 3 vill introdu Design. Th | e invaluable information on how to write and structure requi ce of Systems Engineering and the creation of effective solu Title of the course Software Testing n software testing techniques to identify and resolve software the software lifecycle. Applying software testing to all pha process that includes planning, reporting, testing, auditing, re- testing tools. Title of the course Software Architecture ce the software design in general. Then it will discuss in de ne course will include: Architecture Design Process, Design Title of the course Software Development and Documentation d to teach fundamental software development concepts an | Prerequisite-co- requisite 0114343 re problems and ses of the software eviewing, inspection Prerequisite-co- requisite 114252 pth the software Patterns, and Design Prerequisite-co- requisite 0114252 nd techniques for the ntation, covering the perceptions, mapping | | | | |



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Brief course description- Course Plan Development and Updating Procedures

Department of Software Engineering



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QF01/0409-3.0E

using Java API Documentation Generator. Course Credit Title of the course Prerequisite-conumber hours requisite 0114456 3 0114453 Software project management Software project management is concerned with the knowledge of planning, organization, and monitoring of all software life-cycle phases. Software management ensures software development to an organization in software versions and configurations. Project work is divided appropriately, communication is facilitated, and progress is accurately charted. Course Credit Title of the course Prerequisite-conumber hours requisite 0114252 01114357 3 Software Economics This course will cover the following topics Introduction to software engineering, Life Cycle software and economics, Risk and Uncertainty, Economic Analysis Methods and Practical Considerations Course Credit Title of the course Prerequisite-conumber hours requisite 0114458 3 Software Quality Management 0114453 This course defines the quality of the software, the foundations of quality measurement system, quality management, assurance of quality, planning, quality of product and process quality, software product

metrics, management of the quality factors of the software and its effectiveness, global scale ISO 9001, check the software and plans and techniques for quality

| Course | Credit | Title of the course | Prerequisite-co- |
|---------|--------|----------------------------|------------------|
| number | hours | | requisite |
| 0104381 | 3 | Human Computer Interaction | 0104241 |
| | | | |

The Human Computer Interaction (HCI) aims at improving the interactions between users and computers by making computers more usable and receptive to the user's needs. This course is concerned with methodologies and processes for designing interfaces even if they are Software or Hardware Interfaces (i.e., design the best possible interface within given constraints, optimizing for a desired property such as learning ability or efficiency of use), techniques for evaluating and comparing interfaces, developing new interfaces and interaction techniques, and developing descriptive & predictive models & theories of interaction. In addition to the measurements functional and nonfunctional requirements of interactivity in HCI quality for standardization such as flexibility, learnability)

| Course | Credit | Title of the course | Prerequisite-co- | | |
|---|--------|-----------------------------------|------------------|--|--|
| number | hours | | requisite | | |
| 0114471 | 1 | Software Documentation Techniques | 0114455 | | |
| This course will focus on The main objective of this course is to provide students with a broad | | | | | |
| perspective on software Documentation, and explain the task orientation process and how you break the | | | | | |
| project to small tasks, and how to construct a task list from a project | | | | | |
| Course | Credit | Title of the course | Prerequisite-co- | | |
| number | hours | | requisite | | |



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| Reality'' Brief co | ourse descr | iption- Course Plan Development and Updating Procedures | QF01/0409-3.0E | | | |
|--|--|--|-------------------|--|--|--|
| | | Department of Software Engineering | Q101/0407-5.0E | | | |
| 0114459 | 3 | Software Modeling and Analysis | 0114354 | | | |
| This course co | This course covers software modeling, architecture, design, and implementation using diagramming, | | | | | |
| analysis tools, | and com | mon-sense engineering methods to analyze performance of con | current, message- | | | |
| driven systems | 3 | | | | | |
| Course | Credit | Title of the course | Prerequisite-co- | | | |
| number | hours | | requisite | | | |
| 0114482 | 3 | Selected Topics in S.E. (1) | Database | | | |
| Tarana da Jaran | I | for Andreid derive Teters interderer to And | | | | |
| | | own apps for your Android device. Let us introduce you to And you a solid foundation so you can imagine, design, create and | | | | |
| | | over the major Android topics such as Views, Activities, Intents | | | | |
| •• | | Providers. It will also cover Location-based services, Sensors | | | | |
| Deployment. | . Content | Trovacis. It will also cover Location based services, Sensors | | | | |
| Course | Credit | Title of the course | Prerequisite-co- | | | |
| number | hours | | requisite | | | |
| 0114483 | 3 | Selected Topics in S.E.2 | Database | | | |
| Brief descripti | on | · · · · · | | | | |
| This course is | aimed at | developers who want to build Java EE applications using Orac | cle ADF. Learn to | | | |
| use Oracle J | Developer | 11g Release 1 Patch Set 1 to build, test and deploy an | end-to-end web | | | |
| | | pplication development in your organization to increase pro | • | | | |
| | | ing Java EE applications using Oracle ADF (innovative yet | mature Java EE | | | |
| | | () and deploy an end-to-end web application | | | | |
| Course | Credit | Title of the course | Prerequisite-co- | | | |
| number | hours | | requisite | | | |
| 0114484 3 Mobile Application Programming Database | | | | | | |
| | | own apps for your Android device. Let us introduce you to And you a solid foundation so you can imagine, design, create and | | | | |
| | 200 | over the major Android topics such as Views, Activities, Intents, | | | | |
| | | Providers. It will also cover Location-based services, Sensors | | | | |
| Deployment. | | Trovicers. It will also cover Location based services, Sensors | and App | | | |
| Course | Credit | Title of the course | Prerequisite-co- | | | |
| number | hours | | requisite | | | |
| 0114485 | 3 | Enterprise resource planning (ERP) | 0114343 | | | |
| This course is | This course is about enterprise resource planning (ERP) systems. It is also about how a business works | | | | | |
| and how information systems fit into business operations. It explains basic concepts of ERP systems, | | | | | | |
| ERP systems' implementation, ERP systems in Action, the business modules, and market of ERP | | | | | | |
| systems. | | | | | | |
| Course | Credit | Title of the course | Prerequisite-co- | | | |
| number | hours | | requisite | | | |
| 0114486 | 3 | Software Configuration Management | 0114343 | | | |
| | • 3 | Management (SCM) is required to control evolving and | ., ., | | | |
| systems. This course will introduces the basic concepts of software configuration management, the | | | | | | |
| importance of SCM in software development, the different SCM phases and activities, branching, | | | | | | |
| release management, configuration management roles, CASE tools used in SCM industry | | | | | | |



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| Brief course description- Course Plan Development and Updating Procedu Department of Software Engineering | | | QF01/0409-3.0E | | | |
|--|--|---|-----------------------|--|--|--|
| Course | Course Credit Title of the course Prerequisite-co- | | | | | |
| number hours | | requisite | | | | |
| 0114487 | 3 | Artificial Intelligence | 0114343 | | | |
| | e | | | | | |
| | | the basic principles in artificial intelligence. It covers simple r | | | | |
| | | ng paradigms, constraint propagation, and search strategies. A | | | | |
| | | esentation, natural language processing, expert systems, vision | and robotics are | | | |
| | | G programming language is also introduced. | Due un anticita de la | | | |
| Course | Credit | Title of the course | Prerequisite-co- | | | |
| number | hours | | requisite | | | |
| 0114488 | 3 | E-Business development | 0114222 | | | |
| - | This course provides an overview of e-business from both technological and managerial perspectives. It | | | | | |
| | introduces e-commerce frameworks, and technological foundations; and examines basic concepts such | | | | | |
| as strategic formulation for e-commerce enterprises, management of their capital structures and public | | | | | | |
| policy. This course is designed to familiarize students with current and emerging electronic commerce | | | | | | |
| | | Internet. Topics include Internet technology for business a | | | | |
| | | unds transfer, reinventing the future of business through el | | | | |
| business opportunities in electronic commerce, electronic commerce Web site design, social, and | | | | | | |
| political. It is particularly important that the student place a great deal of emphasis in understanding the | | | | | | |
| ASP.NET for | - | | | | | |
| Course | Credit | Title of the course | Prerequisite-co- | | | |
| number | hours | | requisite | | | |
| 0114489 | 3 | Software Reengineering & Maintenance | 0114455 | | | |
| This course in | This course introduces the concepts of software re-engineering and its phases, includes legacy systems | | | | | |
| re-engineering to enhance the maintenance process, and presents the different cost-effective methods to | | | | | | |
| maintain software products. This course covers the concepts of the software reversal engineering, and | | | | | | |
| how to use the CASE tools during the maintenance process | | | | | | |
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| Approved by | Dr.Ahmad Abdallah Althunibat | Date of approval | 21/11/2017 |
|--------------------|------------------------------|------------------|------------|
| department council | | | |