University of Anbar



جامعة الانبار

First Cycle — Bachelor's Degree (B.Sc.) - Information Technology

بكالوريوس - تكنولوجيا المعلومات



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Overview .\

This catalogue is about the courses (modules) given by the program of Information Systems to gain the Bachelor of Science degree. The program delivers (42) Modules with (6000) total student workload hours and 240 total ECTS. The module delivery is based on the Bologna Process.

نظرة عامة

يتناول هذا الدليل المواد الدراسية التي يقدمها برنامج نظم المعلومات للحصول على درجة بكالوريوس العلوم. يقدم البرنامج (٤٠) مادة دراسية، على سبيل المثال، مع (٢٠٠٠) إجمالي ساعات حمل الطالب و ٢٤٠ إجمالي وحدات أوروبية. يعتمد تقديم المواد الدراسية على عملية بولونيا.

| | Code | Course/Module Title | ECTS | Semester | Class (hr/w) | Lect/Lab./Prac./Tutor | SSWL (hr/sem) | USWL (hr/w) |
|-------------|---------|------------------------|------|----------|-----------------|-----------------------|------------------|----------------|
| Module 1 | ISSP101 | Structured programming | 8.00 | One | 3 | 2 | 108 | 92 |

Description

The "Structured Programming" course focuses on teaching students how to design and implement computer programs in a structured and systematic manner. This course aims to provide students with the fundamental concepts of computer programming and develop their skills in writing purposeful and

maintainable code.

Throughout the course, you will learn the basic principles of computer programming, such as sequencing, iteration, and conditional statements. You will become familiar with program design methodologies and its structure, as well as how to analyze problems and break them down into manageable components. You will practice using appropriate tools and techniques to design and implement robust and efficient programs.

By successfully completing this course, you will gain the necessary skills to deal with programming complexities and organize code in a systematic and structured way. You will be able to build maintainable and future-proof programs, and improve the efficiency of your computer code.

| Module 2 | ISFI 102 | Fundamental of Information Technology | 6.00 | One | 2 | 2 | 78 | 72 |
|-------------|----------|--|------|-----|---|---|----|----|
|-------------|----------|--|------|-----|---|---|----|----|

Description

This Course Specification provides a concise summary of the main features of the course and the learning outcomes that a typical student might reasonably be expected to achieve and demonstrate if he/she takes full advantage of the learning opportunities that are provided. It should be cross-referenced with the programme specification.

| Module 3 | ISLD103 | Logic Design I | 6.00 | One | 2 | 4 | 93 | 57 |
|-------------|---------|----------------|------|-----|---|---|----|----|
|-------------|---------|----------------|------|-----|---|---|----|----|

Description

This Course Specification provides a concise summary of the main features of the course and the learning outcomes that a typical student might reasonably be expected to achieve and demonstrate if he/she takes full advantage of the learning opportunities that are provided. It should be cross-referenced with the programme specification.

| Module 4 | CCIT060 | Mathematic I | 6.00 | One | 2 | 1 | 78 | 72 |
|-------------|---------|--------------|------|-----|---|---|----|----|
|-------------|---------|--------------|------|-----|---|---|----|----|

Description

Study of derivatives, their methods and applications, and their relationship to real problems. Teaching training students to deal with the rules and laws of derivatives and apply them in the future in a logical and correct manner

| Module 5 | English (1) | 2.00 | One | 2 | 0 | 17 | 50 |
|----------|-------------|------|-----|---|---|----|----|
|----------|-------------|------|-----|---|---|----|----|

Description

This Course Specification provides a concise summary of the main features of the course and the learning outcomes that a typical student might reasonably be expected to achieve and demonstrate if he/she takes full advantage of the learning opportunities that are provided. It should be cross-referenced with the programme specification.

| Module 6 | ISSP201 | Structured programming II | 8.00 | Two | 3 | 2 | 108 | 92 | |
|-------------|--|--|--|---|---|--|--|------------|--|
| | | Desc | cription | | | | | | |
| | outcomes th | Specification provides a concise summa nat a typical student might reasonably b ntage of the learning opportunities that programme | e expect are prov | ed to achi ided. It sh | eve an | d demonstra | ate if he/she t | akes | |
| Module 7 | CCIT061 | Discrete Structures | 6.00 | Two | 2 | 1 | 78 | 72 | |
| | | Desc | cription | | | | | | |
| | students to The course playing the gr | uctures is a fundamental course within t mathematical concepts and structures e provides a bridge between discrete math roundwork for algorithm design, logic, a | ssential nematics | for solving and its ap | g comp oplicati | lex computa ons in comp | itional proble uter science, | ms. | |
| Module 8 | ISLD202 | Logic Design II | 6.00 | Two | 2 | 2 | 93 | 57 | |
| | Description | | | | | | | | |
| | | Desc | cription | | | | | | |
| | outcomes th | Description provides a concise summand a typical student might reasonably but age of the learning opportunities that programme | ary of the e expect are prov | ed to achi ided. It sh | eve an | d demonstra | ate if he/she t | akes | |
| Module 9 | outcomes th | Specification provides a concise summanat a typical student might reasonably batage of the learning opportunities that | ary of the e expect are prov | ed to achi ided. It sh | eve an | d demonstra | ate if he/she t | akes | |
| | outcomes th full advar | Specification provides a concise summanat a typical student might reasonably be named to the learning opportunities that programme Discrete Mathematics | ary of the e expect are prove e specific | ed to achi rided. It sh cation. | eve an ould be | d demonstra e cross-refer | ate if he/she tenced with the | akes ne | |
| | outcomes th full advar | Specification provides a concise summanat a typical student might reasonably be named to the learning opportunities that programme Discrete Mathematics | ary of the expect are proves specific 6.00 | red to achi rided. It sh cation. Two | eve an ould be | d demonstra e cross-refer | ate if he/she tenced with the | akes ne | |
| | outcomes the full advar | Specification provides a concise summanat a typical student might reasonably be nage of the learning opportunities that programme Discrete Mathematics Description | e expect are prove specific 6.00 Cription Mathematiter scient | tics cal foundance studen | eve an ould be a tion ests. This ndersta | d demonstrate cross-refered to the cross-refered to | 78 Mathematics | 72 | |
| | outcomes the full advar | Poscification provides a concise summand a typical student might reasonably be nage of the learning opportunities that programme Discrete Mathematics Discrete Mathematics Discrete uter Science is a continuation of the maspecifically to meet the needs of computatical concepts and techniques that are secondarial to the secondarial concepts and techniques that are secondarial to the secondar | e expect are prove specific 6.00 Cription Mathematiter scient | tics cal foundance studen | eve an ould be a tion ests. This ndersta | d demonstrate cross-refered to the cross-refered to | 78 Mathematics | 72 | |
| 9 Module | outcomes the full advar | Positive Specification provides a concise summand a typical student might reasonably be nationally a student might reasonably be nationally of the learning opportunities that programmed programmed. Discrete Mathematics Description Discrete uter Science is a continuation of the mass specifically to meet the needs of computational concepts and techniques that are a problems in computer scie. Arabic Language 1 | e expect are prove specific 6.00 Cription Mathematiter scient fundamence and | tics cal foundance studen software of | eve an ould be a tion ests. This nderstaenginee | tablished in course explanding and sering. | 78 Mathematics ores advance olving comple | 72 | |

| | _ | Iltural awareness, and preparing studen rabic-speaking communities. This cours knowledge of the | e is suita | able for stu | udents | | | |
|--------------|---|---|-----------------------------------|--|---------------------------------|-------------------------------|---------------------------------|---------|
| Module 11 | ISOO301 | Object Oriented Programming I | 8.00 | Three | 3 | 2 | 95 | 105 |
| | | Desc | cription | | | | | |
| | The study of structured programming, entity programming and what is known as object-oriented programming, knowledge of injunctions and functions to prepare the student to know how to write a set of commands, knowing what are injunctions, how to build classes and objects, what the class has of properties and functions, how to build several classes and several objects, and how properties are inherited between them. | | | | | | | |
| Module 12 | ISDS302 | Data Structures | 6.00 | Three | 2 | 2 | 70 | 80 |
| | | Desc | cription | | | | | |
| | an in-c computatio design, a | ructures and Algorithms course is a corr depth exploration of fundamental conce nal problems efficiently. This course equ nalyze, and implement data structures a science and sof | epts and uips stud and algo | technique lents with rithms, wh | es esser the kno nich are | ntial for solv owledge and | ing complex I skills require | ed to |
| Module 13 | ISCT303 | Computational Theory | 4.00 | Three | 2 | 0 | 34 | 66 |
| | | Des | cription | | | | | |
| | explore: computat | stational Theory course is a fundamenta is the theoretical underpinnings of comp tion, formal languages, and the limits of foundations necessary to analyze and ur and al | utation. algorith | This cours mic solvab d the capa | se delv | es into abstr provides stu | act models o udents with tl | f he |
| Module 14 | ISEI304 | Introduction to Elecrtonic information system | 3.00 | Three | 2 | 0 | 45 | 75 |
| | | Desc | cription | | | | | |
| | The Introduction to Electronic Information Systems course is designed to provide students with a foundational understanding of electronic information systems and their role in modern computing and information management. This course explores the principles, technologies, and applications of electronic information systems, equipping students with essential knowledge and skills for managing and processing digital information. | | | | | | | |
| Module 15 | ISDA305 | Design and Analysis of Information Systems | 5.00 | Three | 2 | 0 | 45 | 75 |
| | | Desc | cription | | | | | |
| | The Design | and Analysis of Information Systems co | ourse is a | a pivotal co | ompon | ent of the Co | omputer Scie | nce |

| | curriculum that focuses on the principles, methodologies, and best practices for designing, developing, and analyzing complex information systems. This course empowers students with the knowledge and skills necessary to create robust, efficient, and scalable information systems that meet real-world business and technology requirements. | | | | | | | |
|--------------|--|---|--------------------------------------|--|-------------------|-------------------------------|---------------------------------|-------------|
| Module 16 | UOA135 | Democracy and Human Rights | 2.00 | Three | 1 | 0 | 25 | 25 |
| | | Desc | cription | | | | | |
| | The Democracy and Human Rights course in the first stage is designed to provide students with a fundamental understanding of the concepts, theories, and historical development of democracy and human rights. This introductory course aims to foster critical thinking and awareness of the importance of these principles in contemporary global society. | | | | | | | |
| Module 17 | ISAM307 | Advanced Mathematics | 4.00 | Three | 2 | 1 | 63 | 37 |
| | | Desc | cription | | | | | |
| | outcomes the full advar | Specification provides a concise summanat a typical student might reasonably butage of the learning opportunities that programme | e expect are prov | ed to achi rided. It sh | eve an | d demonstra | ate if he/she t | takes |
| Module 18 | ISOO401 | Object Oriented Programming II | 8.00 | Four | 3 | 2 | 108 | 92 |
| | | Desc | cription | | | | | |
| | programmi of comm | dy of structured programming, entity programming, entity programming, entity programming, entity programming, entity programming, knowledge of injunctions, how to build several continuations, how to build several continuations, how to build several continuations. | ons to pr w to buil classes ar | repare the ld classes a nd several | studer and obj | nt to know h jects, what t | ow to write a he class has o | a set of |
| Module 19 | ISDC205 | Design and Analysis of Databases | 6.00 | Four | 2 | 2 | 65 | 85 |
| | | Desc | cription | | | | | |
| | This Course Specification provides a concise summary of the main features of the course and the learning outcomes that a typical student might reasonably be expected to achieve and demonstrate if he/she takes full advantage of the learning opportunities that are provided. It should be cross-referenced with the programme specification. | | | | | | | |
| Module 20 | ISDE190 | Web Technologies | 6.00 | Four | 2 | 2 | 65 | 85 |
| | | Desc | cription | | | | | |
| | The Web Te | chnologies course is designed to provid | e studen | nts with a c | compre | hensive und | derstanding o | f the |

| | role in com | ies and principles that underlie the Wornmunication, commerce, and informatio wledge and skills necessary to design, de | n dissen | nination, t | his cou | rse equips s | tudents with | | |
|--------------|---|---|----------------------|----------------------------|---------|--------------|-----------------|-------|--|
| Module 21 | ISDI404 | Design Internet Pages | 5.00 | Four | 2 | 2 | 78 | 47 | |
| | | Desc | cription | | | | | | |
| | The Design Internet Pages course is designed to provide students with the knowledge and skills needed to create attractive, functional, and user-friendly web pages. In today's digital age, effective web design is crucial for businesses, organizations, and individuals. This course equips students with the tools and techniques required to design visually appealing and responsive web pages that meet modern web standards. | | | | | | | | |
| Module 22 | CCIT062 | Numerical Analysis | 4.00 | Four | 2 | 2 | 63 | 37 | |
| | | Desc | cription | | | | | | |
| Module 23 | | e numerical analysis, methods, application the students to deal with the numerice English (2) | | | - | | - | each | |
| 20 | | Desc | cription | | | | | | |
| | outcomes th full advar | Specification provides a concise summa nat a typical student might reasonably b ntage of the learning opportunities that programme | e expect are prov | ed to achi rided. It sh | eve an | d demonstra | ate if he/she t | takes | |
| Module 24 | UOA006 | AlBaath Party Crimes | 2.00 | 0 | 1 | 0 | 33 | 17 | |
| | | Desc | cription | | | | | | |
| | NOT YET | | | | | | | | |
| Module 24 | ISDC308 | Visual Programming I | 8.00 | Five | 3 | 2 | 80 | 120 | |
| | | Desc | cription | | | | | | |

| | outcomes th | e Specification provides a concise summa nat a typical student might reasonably b ntage of the learning opportunities that programme | e expect are prov | ed to achi ided. It sh | eve an | d demonstra | ate if he/she t | takes |
|--------------|--|--|-------------------------------------|--|-------------------------------|---|---|--------------|
| Module 25 | ISDC305 | Principles Of Computer Network | 6.00 | Five | 2 | 2 | 65 | 85 |
| 20 | | Desi | cription | | | | | |
| | Principles of Computer Communications and Networks Detailed Syllabus for B.Tech third year First semester is covered here. This gives the details about credits, number of hours and other details along with reference books for the course. Course objectives: To understand the concept of computer communication, To learn about the networking concept, layered protocols, To understand various communications concepts, and To get the knowledge of various networking equipment. | | | | | | | |
| Module 26 | ISDC306 | Distributed Database Management systems | 6.00 | Five | 2 | 2 | 65 | 85 |
| | | Desc | cription | | | | | |
| | science, foc and int consumed | outed Database Management Systems or using on the principles, technologies, an erconnected environments. In today's in d across various locations and platforms, tills required to design, deploy, and man | id strate nterconn , this cou | gies for ma ected wor urse equip | anaging Id, who s stude | g databases ere data is gonts onts with the | across distrib enerated and knowledge a | outed I |
| Module 27 | ISDE389 | Natural Lagnauge Processing | 6.00 | Five | 2 | 2 | 65 | 85 |
| | | Desc | cription | | | | | |
| | field that co between | al Language Processing (NLP) course is dombines computer science, artificial inte computers and human language, enabli anguage text. This course provides stude appli | lligence, ng mach | and lingui | istics. N idersta | NLP focuses on nd, interpre | on the interact, and genera | ction ite |
| Module 28 | ISDE324 | Compiler | 6.00 | Five | 2 | 2 | 65 | 85 |
| | | Desc | cription | | | | | |
| | This Course Specification provides a concise summary of the main features of the course and the learning outcomes that a typical student might reasonably be expected to achieve and demonstrate if he/she takes full advantage of the learning opportunities that are provided. It should be cross-referenced with the programme specification. | | | | | | | |
| Module 29 | ISDC307 | Project Management Systems | 4.00 | Five | 2 | 0 | 35 | 65 |
| | | Desc | cription | | | | | |
| | This Course | Specification provides a concise summa | ary of the | e main fea | tures c | of the course | and the lear | ning |

| | outcomes that a typical student might reasonably be expected to achieve and demonstrate if he/she takes full advantage of the learning opportunities that are provided. It should be cross-referenced with the programme specification. | | | | | | | |
|----------------|---|--|-----------------------|-----------------------|-------------------|--|----------------------------------|------|
| Module 30 | ISDE325 | Artificial Intelligent I | 30.00 | Five | 11 | 8 | 310 | 440 |
| | | Desc | ription | | | | | |
| | Artificial Intelligence I is an introductory course that explores the fundamental principles and techniques underlying the field of artificial intelligence (AI). This course provides students with a comprehensive introduction to AI concepts, algorithms, and applications, equipping them with the knowledge and skills needed to understand, design, and implement AI systems. | | | | | | | |
| Module 31 | ISDE323 | Visual Programming II | 8.00 | Six | 3 | 2 | 80 | 120 |
| | Description | | | | | | | |
| | This Course Specification provides a concise summary of the main features of the course and the learning outcomes that a typical student might reasonably be expected to achieve and demonstrate if he/she takes full advantage of the learning opportunities that are provided. It should be cross-referenced with the programme specification. | | | | | | | |
| Module 32 | ISDE325 | Artificial Intelligent II | 7.00 | Six | 2 | 2 | 65 | 110 |
| | | Desc | ription | | | | | |
| | Artificial Int focusing o | ntelligence II is an advanced course that elligence I. This course delves deeper in n advanced topics, cutting-edge researc th the opportunity to explore and apply | to the th h, and p | neory and ractical Al | applica develc | itions of artions of artions of artions of articles. | ficial intellige ovides stude | nce, |
| Module 33 | ISDC323 | Data Storage Engineering | 5.00 | Six | 2 | 0 | 35 | 90 |
| | | Desc | ription | | | | | |
| | The Data Storage Engineering course is designed to provide students with an in-depth understanding of the principles, technologies, and best practices related to data storage and management in modern computing systems. In today's data-driven world, the effective storage and retrieval of data are critical for businesses and organizations. This course equips students with the knowledge and skills needed to design, implement, and optimize data storage solutions. | | | | | | | |
| Module 34 | ISDC309 | Software Engineering | 5.00 | Six | 2 | 0 | 35 | 90 |
| U 4 | | Desc | cription | | | | | |
| | This Course | Specification provides a concise summa | ry of the | e main fea | itures c | of the course | and the lear | ning |

| | | nat a typical student might reasonably be ntage of the learning opportunities that programme | are prov | ided. It sh | | | | |
|--------------|---|--|----------------------------------|--|--|---|---|----------------------|
| Module 35 | ISDC327 | Data Management Systems | 5.00 | Six | 2 | 0 | 35 | 90 |
| | | Desc | ription | | | | | |
| | This Course Specification provides a concise summary of the main features of the course and the learning outcomes that a typical student might reasonably be expected to achieve and demonstrate if he/she takes full advantage of the learning opportunities that are provided. It should be cross-referenced with the programme specification. | | | | | | | |
| Module 36 | ISDC328 | Decision Support Systems | 5.00 | Six | 2 | 0 | 35 | 90 |
| | | Desc | ription | | | | | |
| | about your support s next. It pro | support system is an interactive compute organization. Each student will get "han ystem/expert system. When used, it offe jects revenue figures based on assumpti u understand the expenses involved in a alter | ds-on" e ers comp ons rela | experience parative fig ted to pro | with the sures but the duct sale with the sures wit | he developn etween one lles. A DSS is | nent of a deci period and t smart enoug | ision he sh to |
| Module 37 | ISDE323 | Information Security I | 5.00 | Seven | 2 | 0 | 35 | 90 |
| | | Desc | ription | | | | | |
| | outcomes th | Specification provides a concise summa nat a typical student might reasonably bo ntage of the learning opportunities that programme | e expect are prov | ed to achi rided. It sh | eve an | d demonstra | ate if he/she t | takes |
| Module 38 | ISDE322 | Internet of Things | 6.00 | Seven | 2 | 2 | 65 | 85 |
| | | | ription | | | | | |
| | This course is to cover the concepts, structure, and functions of Multimedia Computing To give students a broad grounding in issue surrounding multimedia, including the role of and design of multimedia Systems which incorporate digital audio, graphics and video, underlying concepts and representations of sound, pictures and video, data compression and transmission, integration of media, multimedia authoring, and delivery of multimedia. | | | | | | | |
| Module 39 | ISDE324 | Cloud Computing | 6.00 | Seven | 2 | 2 | 65 | 85 |
| | | Desc | ription | | | | | |
| | | omputing course is designed to provide blogies, their architecture, and their app | | | - | | | ud |

| | computing has revolutionized the way businesses and organizations manage and deliver IT services. This | | | | | | | | | | |
|--------------|--|-----------------------------|----------|-------|---|---|----|-----|--|--|--|
| | course equips students with the knowledge and skills necessary to design, deploy, and manage cloud-based solutions effectively. | | | | | | | | | | |
| Module 40 | ISDE325 | Machine learning | 6.00 | Seven | 2 | 2 | 65 | 85 | | | |
| | Description | | | | | | | | | | |
| | This Course Specification provides a concise summary of the main features of the course and the learning outcomes that a typical student might reasonably be expected to achieve and demonstrate if he/she takes full advantage of the learning opportunities that are provided. It should be cross-referenced with the programme specification. | | | | | | | | | | |
| Module 41 | ISDC375 | Operating Systems I | 5.00 | Seven | 2 | 0 | 35 | 90 | | | |
| | Description | | | | | | | | | | |
| | Operating Systems I is a foundational course in computer science that provides students with a comprehensive introduction to the principles, design, and functioning of operating systems. Operating systems are the core software that manages computer hardware and facilitates application execution. This course equips students with the knowledge and skills needed to understand, design, and implement basic operating system components. | | | | | | | | | | |
| Module 42 | ISDC327 | Web Application Programming | 6.00 | Seven | 2 | 2 | 65 | 85 | | | |
| | Description | | | | | | | | | | |
| | Programming of Web Applications Detailed Syllabus for B.Tech fourth year First semester is covered here. This gives the details about credits, number of hours and other details along with reference books for the course. The course covers construction and design of dynamic web pages. The emphasis lies on standardised HTML and CSS to create structure and appearance. The course also covers basic JavaScript to create a dynamic behaviour on web sites. Other parts that are covered are availability, responsive design and validation of web pages. | | | | | | | | | | |
| Module 43 | CSDE423 | Research Methodology | 2.00 | Seven | 2 | 0 | 35 | 15 | | | |
| | | Desc | cription | | | | | | | | |
| | The Research Methodology in Computer Science course is designed to provide students with the knowledge and skills necessary to conduct effective and rigorous research in the field of computer science. This course emphasizes the research process, methodologies, techniques, and ethical considerations, enabling students to plan, execute, and report on their research effectively. | | | | | | | | | | |
| Module 44 | ISDC406 | Cyber-Security Principles | 4.00 | Eight | 2 | 0 | 35 | 100 | | | |
| | | | cription | | | | | | | | |
| | This Course Specification provides a concise summary of the main features of the course and the learning outcomes that a typical student might reasonably be expected to achieve and demonstrate if he/she take full advantage of the learning opportunities that are provided. It should be cross-referenced with the programme specification. | | | | | | | | | | |

| Module 45 | ISDC405 | Deep Learning | 5.00 | Eight | 2 | 2 | 65 | 85 | | | |
|--------------|---|-----------------------------------|---------|-------|---|---|----|----|--|--|--|
| | Description | | | | | | | | | | |
| | This Course Specification provides a concise summary of the main features of the course and the learning outcomes that a typical student might reasonably be expected to achieve and demonstrate if he/she takes full advantage of the learning opportunities that are provided. It should be cross-referenced with the programme specification. | | | | | | | | | | |
| Module 46 | ISDE333 | Information Technology Governance | 4.00 | Eight | 2 | 0 | 35 | 65 | | | |
| | | Desc | ription | | | | | | | | |
| | The Information Technology Governance course is designed to provide students with a comprehensive understanding of the principles, frameworks, and practices related to the governance of information technology within organizations. In today's digital age, effective IT governance is crucial for ensuring that IT resources are aligned with business goals, risks are managed, and compliance requirements are met. This course equips students with the knowledge and skills needed to establish and maintain effective IT governance practices. | | | | | | | | | | |
| Module 47 | ISDE414 | E- Commerce | 4.00 | Eight | 2 | 0 | 35 | 65 | | | |
| | | Desc | ription | | | | | | | | |
| | This Course Specification provides a concise summary of the main features of the course and the learning outcomes that a typical student might reasonably be expected to achieve and demonstrate if he/she takes full advantage of the learning opportunities that are provided. It should be cross-referenced with the programme specification. | | | | | | | | | | |
| Module 48 | ISDC309 | Data Warehouse and Data Minining | 4.00 | Eight | 2 | 0 | 35 | 65 | | | |
| | | Desc | ription | | | | | | | | |
| | The Data Warehouse and Data Mining course is designed to provide students with a deep understanding of the concepts, technologies, and techniques related to data warehousing and data mining. In today's data-driven world, organizations rely on these disciplines to extract valuable insights from vast amounts of data. This course equips students with the knowledge and skills required to design, implement, and leverage data warehouses and data mining tools effectively. | | | | | | | | | | |
| Module 49 | ISDC422 | Operating Systems II | 5.00 | Eight | 2 | 2 | 65 | 85 | | | |
| | Description | | | | | | | | | | |
| | Operating Systems II is an advanced course that continues to explore the principles, design, and functioning of operating systems, building upon the knowledge acquired in Operating Systems I. This course delves deeper into operating system concepts, advanced topics, and hands-on implementation, providing students with a comprehensive understanding of modern operating systems and their components. | | | | | | | | | | |

Module 50

| ISDC407 | Project | 8.00 | Eight | 3 | 3 | 95 | 105 | | |
|--|---------|------|-------|---|---|----|-----|--|--|
| Description | | | | | | | | | |
| The Project in Computer Science course is a capstone experience designed to integrate and apply the knowledge and skills acquired throughout the computer science program. It offers students the opportunity to work on a substantial project that addresses real-world challenges or explores advanced | | | | | | | | | |

topics in computer science. This course serves as a culmination of their academic journey, allowing them to demonstrate their expertise in planning, designing, developing, and presenting a significant computing project.

| | · | | | | | | | | | |
|------------|---|------|---|---|---|-------------------|---|--|--|--|
| Laboratory | 0 | 0.00 | 0 | С | 0 | Structured SWL | 0 | | | |

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