



College of Business

BBA in Management Information Systems

COURSE DESCRIPTIONS

Course ID	Course Name	Brief Course Description
0506200	Principles of MIS	This course is designed for business students who will soon become professionals in a fast, dynamic, demanding business environment. It concentrates on using and managing information technologies to enable organizations to gain a competitive advantage in the ever-demanding global market. Also, the course emphasizes the essential role of Internet technologies in providing a platform for business and collaborations between all stakeholders. The course will introduce IS Strategy, security and protection, end-user interaction and services, internet and intranet use, legal and ethical issues, and new trends.
0506210	Introduction to Programming Languages	The primary purpose of this course is to provide a comprehensive understanding of programming concepts and techniques, to develop the ability to plan and develop programs logically, to learn to write, test, and finally, debug programs. Further, the course includes topics such as IO, expressions, Selection, repetition, Functions, user-defined simple Data types, and Arrays. Finally, this course allows students to apply their knowledge through hands-on programs, exercises, and case study assignments.
0506320	Database Management Principles and Applications	This course provides a theoretical and practical background in database techniques. It covers database concepts, data models, data dictionaries, entity-relationship diagrams, and relational data models, converting E-R models to the relational model, relational algebra, SQL language, and finally, normalization. Through this course, students will gain practical experience in planning, evaluating, and using database management system technology. In addition, the course will further help develop competence in database design at both logical and physical levels, emphasizing the relational model. Finally, the Oracle software will be used in the Lab.
0506330	Business System Analysis and Applications	The course aims to provide a foundation in traditional structured analysis and design techniques, with an introduction to object-oriented and UML-based analysis and design techniques that are increasingly used today. The basic topics to be covered in this course are: requirements determination, use-case analysis, process modeling, data modeling, and various aspects of system design, including design strategies, architecture design, user interface design, data storage design, and finally, program design. Other concepts examined in this course are UML and object orientation concerning these essential topics.
0506370	Decision Support Systems	This course focuses on information technology for supporting a scientific approach to decision-making and uses perspectives from decision processes and decision modeling as a foundation. It discusses a) decision processes from cognitive, behavioral, and organizational perspectives, b) decision analysis and modeling techniques (for multi-criteria decision problems and reasoning under uncertainty) for supporting a structured decision process, and c) the development and, finally, the use of information and modeling technologies to support this analytical approach.

0506400	Knowledge Management	This course focuses on the aspects and issues of knowledge management (KM) and Information systems used for knowledge management. This course includes a good number of topics such as knowledge management principles; new organizations and intellectual capital; integration of human resources, training and development, information systems, and business units to implement knowledge management strategies; and new roles and responsibilities for knowledge workers. The course is appropriate for undergraduate students at a third-year level after taking the Principles of MIS course.
0506420	Data Analytics	This course provides skills students need as data scientists span many areas, such as statistics, databases, systems, programming, machine learning, artificial intelligence, business intelligence, and visualization. This course aims to simplify and present the most relevant material that students would otherwise have to learn in traditional disciplines and to point out the commonalities between these disciplines. This course is, however, not designed to teach students the formal details of statistical procedures used in data analysis or to make an expert practitioner of the specific analysis tools. The thrust of this course is to develop broad critical abilities to approach the collection, storage, and analysis of very large data sets. The course aims to improve the ability to think about data and information and to choose ways to extract information and knowledge from data. The course covers the breadth of activities, methods, and tools students will use. The content of this course focuses on concepts, principles, and practical applications that apply to any industry and technology environment, and the learning is supported and explained with examples that students can replicate using open-source software.
0506440	Website Design and Development	This course presents an introduction to basic Web Page Design. This course teaches students how to use HTML to design their web pages. Further topics covered in this course are basic HTML tags for formatting text and more advanced tags allowing the creation of image maps, tables, frames, forms, and multimedia elements.
0506450	Project Management	This course develops the basic principles of project management, including concepts from initiating, planning, executing, monitoring & controlling, and closing process groups. Further, the course introduces fundamentals from the ten project management knowledge areas: integration, scope, time, cost, quality, human resources, communications, risk, stakeholders, and finally, procurement management.
0506460	Business Data Communications	This course provides a comprehensive introduction to the principles and techniques of business data communications, from the fundamentals of telecommunications systems to the strategic use of telecommunications. This course is directed toward business students who desire a technical overview of data transmission concepts and methodologies employed in designing and managing communication networks.
0506461	Information Security	This course provides the foundation for understanding the key issues associated with protecting information assets, determining the levels of protection and response to security incidents, and designing a consistent, reasonable information security system with appropriate intrusion detection and reporting features. The purpose of the course is to provide an overview of the information security and assurance field. Through this course, students will be exposed to the spectrum of security activities, methods, methodologies, and procedures. Further coverage included in this course is inspection and protection of information assets, detection of and reaction to threats to information assets, examination of pre- and post-incident procedures, technical and managerial responses, and an overview of the information security planning and staffing functions.

0506462	Enterprise Resource Planning	The course provides an overview of Enterprise Resource Planning (ERP) software systems and their role within an organization. It introduces key concepts of integrated information systems and explains why such systems are valuable to businesses. In addition to the lecture, students will be guided through several hands-on activities of various business processes in ERP through this course. The course will also discuss various business cases in which ERP concepts can be applied. Finally, the course overviews Business Intelligence (BI) and analytics in the ERP context.
0506470	E-Business	This course highlights the notion that electronic business and commerce are the most demanding disciplines nowadays in information technology. This course, therefore, provides a firm grounding in the technologies, strategies, and impact of e-commerce. It covers the core ideas for Electronic business infrastructure, the Role of the Intranet and Extranet in E-Commerce Transactions, security issues, electronic payment mechanisms, e-marketing communications, retailing, and business-to-business electronic commerce.
0506481	Business Intelligence	This course aims to provide a comprehensive introduction to Business Intelligence (BI) as an umbrella category that includes the applications and technologies used to gather, store, analyze, share and provide access to data to help enterprise users make fact-based decisions. The course explores how business problems can be solved effectively by using operational data to create data warehouses and then applying data mining tools and analytics to gain new insights into organizational operations.
0506490	Internship (MIS)	The Internship program is a planned academic-work experience in workplaces directly related to the student's area of college study. It is an excellent opportunity for students to attach their field of study to a practical experience of their career interest in MIS in the short term. The internship program help students integrate what is taught in the college with those required in the workplace under the guidance and supervision of an academic advisor and field supervisor. Students take internship programs to develop knowledge and skills valued by employers. This course is designed to provide a good opportunity for students to acquaint themselves with various business issues and management challenges in MIS with hands-on practice before graduation.