



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 business professionals in the fast dynamic and demanding business environment. It concentrates on how to use and manage information technologies to enable organizations to gain competitive advantage in the ever-demanding global market. Also, it places a major emphasis on the essential role of Internet technologies in providing a platform for business and collaborations between all stakeholders. Students will be introduced to IS Strategy, IS security and protection, end-user interaction and services, the use of internet and intranet, legal and ethical issues, and new trends.
0506210	Introduction to Programming Languages	The main purpose of this course is to provide students with a comprehensive understanding of programming concepts and techniques, to develop the ability to plan and develop programs logically, to learn to write, test, and debug programs. Topics will include IO, expressions, Selection, repetition, Functions, user-defined simple Data types and Arrays. Students will have an opportunity to apply their knowledge through hands-on programs and exercises and case study assignments.
0506320	Database Management Principles and Applications	This course is designed to give a theoretical and practical background in database techniques. It covers database concepts, data models, data dictionary, entity-relationship diagrams, and relational data model, converting E-R models to relational model, relational algebra, SQL language, and normalization. Students will gain practical experience in planning, evaluating, and using database management system technology. The course will help to develop competence in database design at both logical and physical levels, with an emphasis on the relational model. The Oracle software will be used in the Lab.
0506330	Business System Analysis and Applications	The course aims at providing a foundation in traditional structured analysis and design techniques, together with an introduction to object-oriented and UML based analysis and design techniques that are increasingly in use today. The basic topics that will be discussed 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 program design. Concepts in UML and object-orientation will also be examined in relation to these basic 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 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. Topics include 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. This course syllabus is for 15-week and all sessions are taught as 90-minute sessions per week for a total of 45 hours during the semester. The course is appropriate for undergraduate students at a third-year level after taking Principles of MIS course.
0506420	Data Analytics	The skills that students will need as data scientists span over a large number of areas, such as statistics, databases, systems, programming, machine learning, artificial intelligence, business intelligence, and visualization. The goal of this course is 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. The course is not designed to teach students the formal details of statistical procedures used in data analysis or to make you an expert practitioner of the specific analysis tools. The point of this course is to develop broad critical abilities to approach collection, storage, and analysis of very large data sets. The course aims at improving your ability to think about data and information and to choose ways of extracting information and knowledge from data. The course covers the breadth of activities, methods, and tools that you will use. The content focuses on concepts, principles and practical applications that are applicable to any industry and technology environment, and the learning is supported and explained with examples that you can replicate using open-source software.
0506440	Website Design and Development	This course presents an introduction to basic Web Page Design. Students will learn how to use HTML to design their own web pages. Basic HTML tags for formatting text will be covered as well as 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 the initiating, planning, executing, monitoring & controlling, and closing process groups. Introduces fundamentals from the ten project management knowledge areas: integration, scope, time, cost, quality, human resources, communications, risk, stakeholders, and 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 towards the business students who desire a technical overview of the concepts of data transmission 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 the student with an overview of the field of information security and assurance. Students will be exposed to the spectrum of security activities, methods, methodologies, and procedures. Coverage will include inspection and protection of information assets, detection of and reaction to threats to information assets, and 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 lecture, students will be guided through several hands-on activities of various business processes in ERP. The course will also provide a discussion on various business cases in which ERP concepts can be applied. An overview of Business Intelligence (BI) and analytics in the ERP context will also be addressed.
0506470	E-Business	Electronic business and electronic commerce are the most demanding disciplines nowadays in the area of information technology. This course provides students with a firm grounding in the technologies, strategies and impact of e-commerce. This course covers the core ideas for Electronic business infrastructure, Role of Intranet and Extranet in E-Commerce Transactions, security issues, electronic payment mechanism, 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 applications and technologies used to gather, store, analyze, share and provide access to data to help enterprise users make fact-based decisions. It 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)	An Internship 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 short term. Internships help students integrate what is taught in the college with what is required in the workplace. Students take internships 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 and management systems that are being utilized in the fields of application and the opportunity to have practice before graduation.