

# **Minor in Electronic Business (EBM12)**

## **Course Description**

### **ACCT100 PRINCIPLES OF FINANCIAL ACCOUNTING**

This course is an introductory course to Financial Accounting. It covers issues related transaction analysis and the accounting cycle. It also provides specific coverage of Balance Sheet and Income Statement accounts and the accounting choices and issues concerning those accounts. Finally, it does provide an introduction to the preparation of the Statement of Cash Flows.

Pre-requisite: None

### **ACIS220 BUSINESS PROGRAMMING**

This is an introductory course on basic programming techniques and applications to deal with real business situations. A powerful computer programming language C++ will be adopted as the principal tool for the learning process. A wide variety of topics starting with the introduction to programming and the basic concepts of data types, extend to cover the different structures and build-in functions of the programming language. This elementary programming course is meant for students to get acquainted with the key programming and design techniques supported by C++, allowing them to understand, analysis and solve business problems through programme writing. Tutorial sessions will be offered to train students for the logical thinking and practical skills. At the completion of this course, students are expected to have a solid foundation in the basic concepts of programming, data abstraction, object-oriented programming and the technical skills required for problem-solving and business applications.

Pre-requisite: Any course from GE information technology and knowledge society or Any course from GE science and technology area

### **ACIS310 DATABASE MANAGEMENT**

Database management is the foundation of any accounting information systems. During this course students will have ample opportunity to master the theoretical basis of relational database design in the context of accounting systems. Database management systems must effectively store, access and manipulate data as well as provide data security, data sharing and data integrity. This course emphasizes on both theories and hands-on experiences and most of the concepts will be explained through practical examples. The course work includes a term project in which students are required to design and implement a relational database for a part of the accounting system for a small business. The Microsoft ACCESS will be used as the main software package for

students to gain hands-on experience. In-depth tutorials on commercial-grade Database Management Systems including Oracle and SQL Server will be given as well.

Pre-requisite: Any course from GE information technology and knowledge society or Any course from GE science and technology area

### **ACIS321 ANALYSIS AND DESIGN OF INFORMATION SYSTEMS**

The objective of this course is to provide students a theoretic foundation and technique of system analysis and design. To understand the importance of system analysis, information system concepts and techniques for data collection will be introduced prior to covering analysis and modelling tools. Discussion of process specifications and structured decisions, cost/benefits analysis and preparation of system proposal will be covered. Lastly, a variety of development tools will be introduced. Upon completion, students should be able to analyse and design different real systems.

Pre-requisite: Any course from GE information technology and knowledge society or Any course from GE science and technology area

### **ACIS421 WEB-BASED DEVELOPMENT OF INFORMATION SYSTEMS**

This course is designed to provide students with the practical skills of developing information systems. The students are required to design and implement accounting applications such as accounts receivable or payable system, inventory costing system and financial statements reporting system, etc. During the course, the students will learn how to use web-based languages and database systems to design and develop information systems.

Pre-requisite: ACIS220 Business Programming, ACIS310 Database Management AND ACIS321 Analysis and Design of Information Systems

### **BECO100 PRINCIPLES OF MICROECONOMICS**

The course enables students to understand the behavior of different economic agents in the economy and their interactions in the market. It introduces to students the patterns of different market structures and their associated impacts, enabling students to understand the role of the government and the degree of efficiency in different market structures. The course also enables students to apply basic economic theories and models to explain real world economic phenomena. The course covers the concepts of the demand, supply, their elasticity and market equilibrium. Consumer choices, production process, the costs of production and different market structures and their patterns will also be discussed in the classes.

Pre-requisite: None

## **EBIS200 INFORMATION SYSTEMS AND ORGANIZATIONS**

This is an introductory course for students to develop a broad-based understanding of Information Systems (IS) from a business and management perspective. Topics to be covered include: the technological foundations of IS; tools that help managers make better decisions such as Decision Support Systems, Executive Support Systems, and Knowledge Management Systems; approaches for building an IS; ethical and societal issues related to the use of IS.

Pre-requisite: EBIS112 Contemporary Information Systems for Organizations

## **EBIS300 BASIC BUSINESS PROGRAMMING**

BBA students are not taught programming in the first year of the programme. This course provides an introduction on business programming. Depending on the computer language chosen, the course will teach the syntax and its accompanying features. The aim is to develop skills to do simple business programming.

Pre-requisite: None

## **EBIS302 DESIGNING IT SOLUTIONS**

This course involves students understanding and analyzing problems, and then developing feasible IT solutions. It covers structured (traditional) analysis and design, as well the latest approaches to develop IT solutions. This is a required course in all Business IS major programs.

Pre-requisite: None

## **EBIS303 BUSINESS DATA MANAGEMENT**

In this course, students not only get to learn the concepts and principles of database systems, they also learn how businesses use data to gain competitive advantage. Particular emphasis is given to web application databases, which are the foundation for electronic business.

Pre-requisite: None

## **EBIS306 WEB SITE DESIGN AND INTERNET BUSINESS APPLICATIONS**

This course provides students with the knowledge and skills needed to build and design web applications. Students will be exposed to best practices for analyzing, designing, developing, testing, and deploying web applications. Students will also be taught the skills required for developing seamless and integrated service for businesses in the internet.

Pre-requisite: EBIS300 Basic Business Programming

## **MGMT110 PRINCIPLES OF BUSINESS MANAGEMENT**

This is an introductory course regarding the nature and environment of business and its role in the society. It also provides an overview of the concepts related to basic functions of management

Pre-requisite: None