**KING SAUD UNIVERSITY**

**COLLAGE OF BUSINESS ADMINISTRATION**

**DEPARTMENT OF MANAGEMENT INFORMATION SYSTEMS**

**COURSE SYLLABUS**

First Semester 2015/16

**COURSE INFORMATION**

|  |  |
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| **Course title** | Web Based Application |
| **Course number** | MIS 366 |
| **Instructor** | Mrs. Tomader Almeshal, MSc. ([talmeshal@ksu.edu.sa](mailto:talmeshal@ksu.edu.sa))  Office# S 154 |
| **Lab timetable** | 2 hours practical session in the lab |
| **Lab demonstrator** | Mrs. Tomader Almeshal |

**Course description:**  

This course introduces the principles of designing and developing web applications for e-commerce.

**Course learning objectives:**

* Provides knowledge and skills needed for web-based application development process.
* Identifies the main requirements for an e-commerce application, along with identifying the issues involved in their design.
* Apply technical and theoretical knowledge in analyzing and designing a Web-based application.
* Contrast the roles of client-side and server-side programming techniques.
* Develop a web-based application.
* Evaluate the strength of design routes, components and tolls used in the developing of the Web-application.

**Learning outcomes:**

By the end of the course the student will have insight into the key modern server side system ASP.NET, with a focus on the VB.NET programming language for the development of e-commerce Web applications. In addition, the student will have an insight into key XML technologies. After completing the course, students will be expected to be able to:

1. Define and describe the main requirements for an e-commerce application, along with identifying the issues involved in their design.
2. Evaluate the strengths of design routes, components and tools used in the developing of the e-commerce application.
3. Understand the basic of web Applications; HTML Forms as user interfaces; and client side programming with VB.
4. Apply Cascading Style Sheets (CSS) for providing stylistic information to WebPages.
5. Understand the roles of client-side and server-side programming techniques.
6. Understand database access technologies and data controls.
7. Design and implement n-tier in ASP.NET.
8. Understand XML technologies and their use in applications.
9. Write schemas that identify XML document formats.
10. Process XML documents.

**Recommended Reading:**

* MacDonald, M., Beginning [ASP.NET](http://asp.net/) 4.0 in C# 2010: From Novice to Professional, Apress 2010.
* Moller, A. and Schwartzbach, M., An Introduction to XML and Web Technologies, Addison-Wesley, 2006.

**Web recourses:**

* [ASP.NET http://www.w3schools.com/aspnet/](http://www.w3schools.com/aspnet/)
* CSS <http://www.w3schools.com/css/>
* HTML <http://www.w3schools.com/html/>
* XML <http://www.w3schools.com/xml/>

**Supplementary materials**:  The materials required for MIS 366 course is available in an electronic version on the MIS 366 course website. It is highly recommended that students print the required material for each class and have them available.

**Grading:**

* Course work (60%)
  + Midterm exam - 15% (1 hour)
  + Midterm lab - 10% (2 hours)
  + Lab sessions -  10%
  + Quizzes – 5%
  + Project  - 20%
* Final exam (40%) (2 hours)

**Exams and project deadline**

Midterm exam: Thursday 02/01/1437 - 15/10/2015 (12:00 – 1:00pm)

Midterm lab: Monday 18/02/1437 - 30/11/2015 (8:00 – 10:00 pm)

Project deadline: Tuseday 26/02/1437 - 08/12/2015 (10 am)

Project presentation: Thursday 28/02/1437- 12/10/2015 Sunday 02/03/1437- 13/12/2015

**Course Policies:**

1. **Attendance:** Students are expected to attend each session AND be on time. Course grade depends on class participation. Therefore, regular attendance is critical for doing well in this course.
2. **Conduct & Responsibilities:** It is the student's responsibility to maintain professional standards of behavior and attire while on campus and classes. Failure to do so can result in the students being marked for absent for the class session. The dean will impose sanctions for unprofessional behavior. Any form of cheating, fraud, plagiarism, or unauthorized collaboration with result in failure of the course and referral to the dean for disciplinary sanctions.
3. **Emails:** Anonymous emails will be ignored. Students must send a professional emails using there KSU email in formal language (Arabic or English) with there full information (Name-course-section) any other form of emails will not replay to it.