BLOOMSBURG UNIVERSITY OF PA
College of Business

COURSE SYLLABUS

DATE PREPARED: January, 2017

INSTRUCTOR: Evren Eryilmaz
                                    Office: Sutliff Hall, Room 339
                                    Hours: Tuesday, Thursday 11:50 AM – 1:50 PM
                                                  Wednesday 9:00 AM – 10:00 AM
                                    Phone: 570.389.5448
                                    Email: eeryilma@bloomu.edu

DEPARTMENT: Department of Innovation, Technology, and Supply Chain
                                    Management

COURSE NUMBER: ITM375-01

COURSE TITLE: Data-Driven Web Development

CREDIT HOURS: 3

PREREQUISITES: ITM175 or permission of the instructor

COURSE MEETING DAY & TIME: Tuesday and Thursday 3:30PM to 4:45PM

COURSE LOCATION: SH 105

CATALOG DESCRIPTION:
This course emphasizes the interface between websites and databases in business applications. It provides an understanding of database design and maintenance, and of how websites are connected to databases to provide real time online information for businesses and their customers.

GOALS AND/OR OBJECTIVES:

Upon the completion of this course, each successful student should be prepared to:

1) Understand and describe the terminology, characteristics, concepts, and organizational techniques used in a modern database implementation.

2) Understand and describe modeling real world phenomena with database technologies

3) Demonstrate a detailed working knowledge of server-based database technologies to create data-driven websites

COURSE CONTENT:

- The characteristics of databases
- Introduction to structured query language
- Database design and normalization
- Database management
- The web server environment
- Visual basic, controls, and events
- Variables, input, and output
- Relational and logic operators
- General procedures
- Connecting websites to OLAP and OLTP
- Database processing with XML
- Connecting websites to XML

METHODS:
Discussion, videos, case studies, computer lab exercises, independent research, and active learning activities are the principal methods of teaching. In addition, students are encouraged to read quality publications on technology and business on a regular basis.

EVALUATION PROCEDURES:
Hands on Computer Assignments: (40%) A variety of hands on computer assignments will be completed during the semester. The assignments will include application of course material and written reports. Details about each assignment will be posted on BOLT.

Quizzes: (35%) A number of quizzes focusing on reading assignments will be completed during the semester. Details about each quiz will be posted on BOLT.

Final Exam: (25%) A comprehensive final exam will be given on the day specified on the university final exam schedule. The exam will cover all assigned readings and any other material discussed in class.

COMPUTER LABORATORY:

There will be computer laboratory sessions that will focus on the assignments. Details about the computer laboratory sessions will be announced in class and posted on BOLT.

GRADING SCALE:

Grade	Points			Percentage
A	100	-	93	93
A-	92	-	90	90
B+	89	-	87	87
B	86	-	83	83

B-	82	-	80	80
C+	79	-	77	77
C	76	-	73	73
C-	72	-	70	70
D	69	-	60	60
E	less than 60			

Please note: This course adheres to the *Bloomsburg University Academic Integrity Policy*.

RELIGIOUS OBSERVENCE:
Students must notify the instructor in writing at least one week prior to a class absence because of religious observance.

SUPPORTING PROCEDURES:
Research references are part of the Andruss Library collection.

BOLT, a course management application, will be used for posting the assignment schedule, submission of assignments, and posting of course documents. The application is available online at the following Web address: http://bolt.bloomu.edu.

REQUIRED TEXT:
Title: An Introduction to Programming Using Visual Basic 2012 with Visual Studio 2012 Express Edition DVD
Author: David l. Schneider
Publisher, Year: Pearson, 2012
ISBN: 978-0-13-337850-4

OPTIONAL TEXT:
Title: Database Processing Fundamentals, Design, and Implementation12th Edition
Authors: David M. Kroenke and David J. Auer
Publisher, Year: Pearson, 2012
ISBN: 978-0-13-214537-4

OPTIONAL TEXT:
Title: Web Applications Development with Microsoft .NET Framework 4 Self-Paced Training Kit
Authors: Tony Northrup and Mike Snell
Publisher, Year: Microsoft Press, 2010
 ISBN 978-0-7356-2740-6

DUE DATES:
Assignments are due on the due date and time. If you have an extreme emergency of some kind, please let me know about it before an assignment is due. Late work is not accepted. Upload whatever you have finished.

IMPORTANT CLASS POLICIES:

This course adheres to the *Bloomsburg University Academic Integrity Policy* and the policies described in the student handbook, *The Pilot*.

It is the responsibility of the student to know and observe the policies and regulations of the University. This includes the *Policies and Procedures* described on the URL: bloomu.edu/polices_procedures; specifically:

> PRP 3506 – Class Attendance
> PRP 3512 – Academic Integrity
> PRP 3381 – Student Disruptive Behavior
> PRP 3516 – Academic Exam Policy

As a professional courtesy to all, please turn off all electronic devices (cell phone, pager, I-Pod) during class.

Grades will be posted in BOLT. Questions regarding a graded assessment **must be raised within one week** of the assessment return and posting on BOLT.

Class correspondence will be sent to student "huskies.bloomu.edu" email address.

Assignments and correspondence may NOT be placed in instructor's College of Business mail box. Each assignment will include submission instructions.

All assignments and correspondence must include the student's full name and the course name.

It is the student's responsibility to confirm the integrity of files submitted to BOLT Dropbox. Do not forward the BOLT Email confirmation to the instructor since this is NOT evidence of a submission to the Dropbox of an assignment that follows the appropriate directions. The process for confirming the integrity of files submitted to BOLT Dropbox will be demonstrated in class.

A student may not submit an assignment completed in another course for credit in this course.

All written assignments may be subject to submission for textual similarity review to Turnitin.com for the detection of plagiarism. All submitted assignments will be included as source documents in the Turnitin.com reference database solely for the purpose of detecting plagiarism of such papers. Use of the Turnitin service is subject to the *Terms and Conditions of Use* posted on Turnitin's website.

The Bloomsburg University Writing Center (BUWC) offers free support for graduate and undergraduate writers at any point in the writing process. They will not write any part of a student's paper, but will help students get started and then keep going; they can read what has been written and ask questions to help a student think about what a reader might need; they can work with students on grammar, mechanics, or format; and they help develop strategies for proofreading and editing.

The University Tutorial Services (UTS) offers peer tutoring at no charge to Bloomsburg University students. The UTS office is located in Warren Student Services Center, Room 13.