



Bethesda University

730 North Euclid Street, Anaheim, California 92801 Tel: (714)517-1945, Fax: (714)683-1440

IT 124 Implementation of Database using MySQL 5

Prof. Benjamin Rah			
Class Hour:	Wednesday 6:50 - 9:20 PM	Class Room:	Room 301: Computer Lab
Office:	Room 301 inside the Computer Lab	Phone:	714-517-1945 ext. 1301
Office Hours/ Consultation:	TBA	E-mail:	benjaminrah@buc.edu
TA:	none	Credit Unit:	3

A. Mission Statement

1. Bethesda University

Mission of the Bethesda University

Bethesda University is a Christ-centered community of higher education preparing Korean/English speaking men and women with professional competence, academic excellence, and spiritual integrity to be servant leaders in the Church, community, and global society.

B. Course's Academic Level and Place in Curriculum:

There is no pre-requisite to take this course. This course may be taken at any time.

C. Course Description

This course introduces MySQL Database Management System to students. Students will have hands-on experience on managing MySQL for Web Applications such as Moodle and PyroCMS.

D. Course Objectives & Student Outcomes

Expected Student Outcomes	
Spiritually	No particular spiritual outcome is expected.
Intellectually	Students will know about Linux OS and Open Source concept.
Socio-Emotively	No particular socio-emotional outcome is expected.
Vocationally	Students can apply their knowledge and experience that they have gained through this course on their future vocation.

E. Class Formation



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F. Required Textbook(s)

No.	Title	Author	Publisher	Year
1	MySQL Crash Course	Forte, Ben	Sams	2006
2	Sams Teach Yourself SQL in 10 Minutes	Forte, Ben	Sams	2013

G. Recommended Reading and Other Course Resources (All reserved for reading)

No.	Title	Author	Publisher	Year
1	Murach's SQL	Murach, Joel	Mike Murach & Associates	2012

H. Course Calendar/Schedule, include the following

N	Date	Theme	Reading	Assignments
1	2/25	Understand SQL Introducing MySQL Working with MySQL	Crash Course Ch. 1,2,3	
2	3/4	Retrieving Data Sorting Retrieved Data	Crash Course Ch. 4,5	
3	3/11	Filtering Data Advanced Filtering Data Using Wildcard Filtering	Crash Course Ch. 6,7,8	
4	3/18	Searching Using Regular Expression Creating Calculated Fields	Crash Course Ch. 9,10	
5	3/25	Using Data Manipulation Functions Summarizing Data	Crash Course Ch. 11,12	
6	4/1	Grouping Data Working with Subqueries	Crash Course Ch. 13,14	
7	4/8	Joining Tables Creating Advanced Joins	Crash Course Ch. 15,16	
8	4/15	Easter Reading Week		
9	4/22	Combining Queries Full-Text Searching	Crash Course Ch. 17,18	
10	4/29	Inserting Data Updating and Deleting Data	Crash Course Ch. 19,20	
11	5/6	Using Microsoft Access as a Front-End tool Part 1		
12	5/13	Using Microsoft Access as a Front-End tool Part 2		



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13	5/20	MySQL Project 1	Crash Course Ch.	
14	5/27	MySQL Project 2	Crash Course Ch.	
15	6/3	Final Review	Crash Course Ch.	
	6/10	Final Exam		

I. Assignments

Will be announced on the first day of the class.

J. Evaluation/Assessment Rationale for Grade Determination

1. Grade Assessment

Will be announced on the first day of the class.

2. Grade definition

- A Excellent
- B Good
- C Satisfactory
- D Poor
- F Failure

3. Grade scale

Letter Grade	Numeric Grade	Grade Points
A	95-100	4.0
A-	90-94	3.7
B+	87-89	3.3
B	84-86	3.0
B-	80-83	2.7
C+	77-79	2.3
C	74-76	2.0
C-	70-73	1.7
D+	67-69	1.3
D	64-66	1.0
D-	60-63	0.7
F	59 or below	0



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K. Course Policies

1. Attendance, Preparation, and Participation:

Attendance, preparation, and participation in the class, its discussions, exercises, and assessments are a crucial part of the learning process. Students who incur two unexcused absences from scheduled classes will suffer a drop in their grade. Students who incur three or more unexcused absences from scheduled classes shall receive a grade of F for the course.

2. Deadlines:

All Assignments are due at the end of class, unless otherwise noted by the instructor.

3. Advance Assistance:

Discuss with your professor.

4. Assignment Options:

If you have an option that fits your situation and fulfills the course requirements please discuss your idea with the professor to determine whether it will be approved.

5. Make up work:

Students who miss deadlines due to excused absences are permitted to turn in late assignments or projects without penalty. The professor does not accept late assignments after Dec 12, 2014.

6. Extra-credit work:

None.

7. Emergency procedures:

Check with Student Handbook for emergency procedures.

8. Other policies on Withdrawal and Grade Permanence, Academic Integrity, and Appeals and Grievance procedures refer to the Student Handbooks and Catalog.

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L. Support Services

1. **Cheating** - Intentionally using or attempting to use unauthorized materials, information, or study aids in any academic exercise.
 - Students completing any examination should assume that external assistance (e.g., books, notes, calculators, and conversations with others) is prohibited unless specifically authorized by the instructor.
 - Students may not allow others to conduct research or prepare work for them without advance authorization from the instructor.
 - Substantial portions of the same academic work may not be submitted for credit in more than one course without authorization.
2. **Fabrication** - Intentional falsification or invention of any information or citation in an academic exercise.
3. **Facilitating academic dishonesty** - Intentionally or knowingly helping or attempting to help another commit an act of academic dishonesty.
4. **Plagiarism** - Intentionally or knowingly representing the words, ideas, or work of another as one's own in any academic exercise.

M. Bibliography

Forta, Ben. MySQL Crash Course. Indianapolis: Sams, 2006.

—. Sams Teach Yourself SQL in 10 Minutes. Indianapolis: Sams, 2013.

Murach, Joel. Murach's SQL. Mike Murach & Associates, 2012.