Tentative Course Outline
(will be adjusted to meet student needs and interests):

Date	Notes	Class topic	DuBois Chapter	Pratt & Last Chapter
Jan 7		Introduction & Pretest		
Jan 11	**Last day to drop/add**			
Jan 12		Installing and Configuring MySQL	Appendix A (Pages 777-796)	Handout
Jan 14		Installing and Configuring MySQL		
Jan 19		Sample Databases	1-33	Chapter 1
Jan 21		Database Design	187-193, 201-238	Chapter 2
Jan 26		Database Design	239-286	Chapter 2
Jan 28		Creating Tables	34-56	Chapter 3
Feb 2		Altering and Dropping Tables	114-143	Chapter 3
Feb 4		Simple Queries	58-74	Chapter 4
Feb 9		Aggregation	75-84	Chapter 4
Feb 11		Joins	84-91	Chapter 5
Feb 16		Multi Table Queries	150-173	Chapter 5
Feb 18		**Exam 1**		**Handout, Chapters 1-5**
Feb 23		Updating Data	91-100,175-186	Chapter 6
Feb 25		Updating Data		Chapter 6
Feb 27-Mar 7	**Break**			
Mar 9		Database Project		
Mar 11		Database Project		
Mar 16		Stored procedures	298-302	
Mar 18	**Last day to withdraw**	Query Optimization	303-340	Chapter 8
Mar 23		MySQL Programming	341-358	
Mar 25		Java & MySQL	359-422	
Mar 30		*PHP & MySQL*	527-578	
Apr 1		**Exam 2**		
Apr 6		Database Administration	579-584	Chapter 7
Apr 8		MySQL Data Directory	585-608	
Apr 13		User Accounts	609-644	
Apr 15		Configuration Issues	645-698	
Apr 20		Access Control	699-736	Chapter 7
Apr 22		Backups & Replication	737-773	
Apr 27	Reading Day			
Apr 30 9:00 AM		Exam is Friday.		**Comprehensive Exam, but with more emphasis on material covered since last exam**

Computer Science 302
Database Management Systems
Course Syllabus

Instructor Information

Instructor: Kent Palmer
Campus Box: 3089
Office: Burris 022D
Office Hour: Monday, Wednesday 1:00-4:00 PM (Some office hours may be held in the lab)
Tuesday, Thursday 3:00-5:00 PM
Office Phone: (704) 233-8162
Home Phone: (704) 681-5318
E-mail: epalmer@wingate.edu

Course Information

Web Site:
Credit hours: 3
Semester: Spring 2010
Day & Time: Tuesday, Thursday 8AM
Room: Burris 02B

Catalog Course Description:

Computer Science 302. Database Management Systems. This course examines the design and management of database systems. Management of data resources to support information systems in organizations will also be considered. Prerequisite: Computer Science 220

Course Overview

This course provides students with the skills necessary to design and implement multi-user database systems. The course helps students master various database modeling methods. Students will then convert the models into data definition language (DDL) statements to create a database.

The course will also cover data retrieval using data manipulation language statements (DML). The course will use MySQL throughout. Although all examples in the course will be from MySQL, the concepts learned can easily be applied to any relational database product.

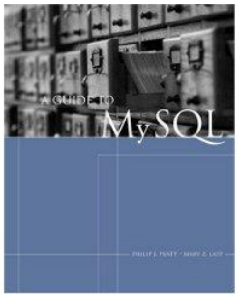
Learning Outcomes:

Students who complete successfully CSC 302, should be able to: ·

- Apply normalization techniques
- Create tables using SQL
- Create database queries using SQL
- Specify data integrity constraints
- Implement database security controls

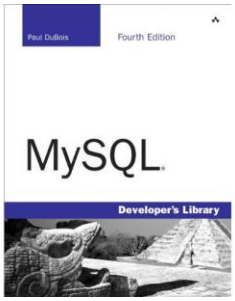
Required:

You must have a moodle account.



Philip J. Pratt, Mary Z. Last (2006) *A Guide to MySQL*. Boston: Course Technology. ISBN: 9781418836351

Paul DuBois (2008). MySql®, Fourth Edition. Upper Saddle River, NJ: Addison Wesley. ISBN: 0-13-32938-7



Additional Material for Course: Software, USB drives, recordable CDs—Be sure to write name on these if you turn them in!

Additional Software: MySQL, PHP, Apache, Java

E-mail Requirements for Course :

For e-mails with questions or comments use this address: epalmer@wingate.edu -- Include in the subject line: Course number-A brief description of topic-your name For Example: CS 302-Boyce-Codd Normal Form?- Joe Smith

Class Participation:

Class participation consists of attending class, active listening, participating in discussions, asking & answering questions, following along with in-class exercises, etc.

Class Attendance:

Wingate University policy indicates that *"Students representing the University who make necessary plans for class absence before the absence will receive no grade penalty other than having missed the content of that particular class. However these absences do count toward the total allowed in the course without penalty.*"

In this class, students may miss up to four times without any grade penalty whether an absence is excused or unexcused. Beginning with the fifth absence a student's grade will be reduced by 3% for each unexcused absence. If an absence is excused there is no grade penalty. Students should notify the instructor in advance of an excused absence.

If you do have to miss a class for any reason, be sure to turn in any assignments in advance and check what was covered in class and whether any additional assignments were given.

Special Needs:

I would like all students to be successful in this course. Students with special needs are encouraged to register with Disability Support Service Office, which is located in the Academic Resource Center in the Library. This office will issue you a statement to give to me that will help me understand your special needs and how we can best accommodate them.

Academic Honesty:

You must turn in your own work and not a copy of someone else's work.

Academic honesty is expected in this course. Wingate University has an honor code. This must be adhered to in this course. The honor code is explained in the student handbook. Students will be asked to sign the following pledge on quizzes and exams:

I pledge on my honor I have neither given nor received unauthorized aid on this work, and I am unaware of any violation of the Honor Code by others.

On assignments, students can use an abbreviated pledge (for example: ***Honor code adhered to -- signature***).

Any violation of Wingate's honor code will result in a grade of 0 on the assignment, quiz, or exam. In addition, university policy requires the reporting of violations of the honor code to the assistant vice president of academic affairs as per university policy.

Assignments:

In general, late assignments will not be accepted in this course. If you cannot make a class please turn in your assignment in advance. If you cannot turn in the assignment in advance for some reason please e-mail it or send it with another student.

If you make arrangements in advance and get permission to turn in an assignment late, credit will still be reduced by 5% for each day an assignment is late. **But that is still better than a zero, which you will receive if you do not obtain advance permission**

Quizzes:

There may or may not be quizzes in this course. Quizzes may be announced in advance and or not. I sometimes give them at the beginning of the hour, some at the end of the hour, and some will be completed out of class. In general quizzes cannot be made up. Each quiz given will count as 1% of the course grade. The amount the participation grade counts will be reduced by the same %. For instance, if there are 6 quizzes, quizzes will count as 6 % of the total grade and participation as 4%

Grade Distribution:

Component	Percentage
Exam 1	15 %
Exam 2	15 %
Final Exam	20 %
Assignments	35 %
Participation & quizzes	10 %
Project	5 %

Grading Scale:

Grade	Percentage
A	93 – 100%
A-	90 – 92.99%
B+	87 – 89.99%
B	83 – 86.99%
B-	80 – 82.99%
C+	77 – 77.99%
C	73 – 76.99%
D+	67 – 69.99%
D	60 – 66.99%
F	0 – 59.99%