IST 466 Database Programming Course Syllabus – Fall 2013¹ (TR 9:30 am – 10:45 am PH 200)

Instructor:	Dr. SeungJin Lim	Office:	Prichard Hall 217
Telephone:	(304)696-3436 (W)	E-mail:	lims@marshall.edu
Office hours:	12:30 – 3:30 pm TR by	y appointment.	

Course Description: This course teaches students technical database programming with relational database systems. Students will work with fourth generation languages to analyze, design and develop, and execute programs in a database environment. (3 hrs. PR: IST 365 Database Information Management)

Required Text, Additional Reading, and Other Materials: Oracle9i: SQL with an Introduction to PL/SQL, Lannes L. Morris-Murphy, ISBN: 0-619-21284-5.

Recommended Materials: Oracle9i Release 2 has a compatibility issue with Windows Vista. Alternatively, use Oracle Database 10g Release 2 Express Edition for MS Windows.

Course Student Learning Outcomes and Assessment Measures:

Course student learning outcomes:	How practiced in this	How assessed in this	
Students will	course	course	
Create and manage tables.	discussion, hands-on	up to 2 assignments and	
	SQL programming	1 exam	
Manipulate table data.	discussion, hands-on	up to 3 assignments and	
	SQL programming	2 exams	
Demonstrate programming skills with	discussion, hands-on	up to 6 assignments and	
SQL.	SQL programming	3 exams	
Create and use indexes and views.	discussion, hands-on	up to 1 assignment and	
	SQL programming	1 exam	
Manage user's privileges and roles for	discussion, hands-on	up to 1 assignment and	
databases.	SQL programming	1 exam	
Be familiar with a procedural extension	discussion, hands-on	up to 1 assignment and	
to SQL.	SQL programming	1 exam	

Course Requirements and Grading:

Homework assignments	60%
Exams	40%

Grades from assignments and exams are posted to Blackboard. Final letter grades are determined based on the following grading scale (Do not rely on what is automatically calculated by the Blackboard):

Late assignments will be penalized at the rate of 10% per day, up to two days (including weekends) after the due date.

There will be no make-up chances for missed exams unless a proper action has been taken for

¹Last modified: Tuesday 13th January, 2015 12:27

an Excused Absence². It is the student's responsibility to make up the missing exam within a week.

The instructor reserves the right to change these values depending on the overall class performance and/or extenuating circumstances.

Attendance Policy: Attendance is strongly encouraged. If necessary, quizzes will be given to ensure your interest in attending. Students generally perform much better if their attendance is consistent. Low attendance is often a strong indication to a failing grade. Exams may cover the subjects which are discussed only in class (not in textbook). If you are absent, it is your responsibility to find out what you missed, e.g. announcements, assignments, etc.

Week of Topics		Topics to be covered	Assignment due
1	1/12	Ch 1 Overview	
2	1/19	Ch 2 Basic SQL SELECT	
		Ch 3 Restricting Rows and Sorting Data	
3	1/26	Ch 4 Joining Multiple Tables	HW 1
4	2/2	Ch 5 Selected Single-Row Functions;	
5	2/9	Ch 6 Group Functions; Exam (Thursday) Chapters 1–5	HW 2
6	2/16	Ch 7 Subqueries	
7	2/23		HW 3
8	3/2	Ch 8 Table Creation and Management; Ch 9 Constraints	
9	3/9	Ch 10 Data Manipulation; Exam (Thursday) Chapters 6–10	HW 4
10	3/16	Spring Break	
11	3/23	Ch 11 Views	
12	3/30	Ch 12 Additional Database Objects	
13	4/6	Ch 13 User Creation/Management	HW 5
14	4/13	Ch 15 Introduction to PL/SQL	
15	4/20	Ch 16 Cursors and Exceptions;	
		Exam (Thursday) Chapters 8–13, 15–16	
15	4/27	Ch 14 Formatting Readable Output	HW 6

Course Outline: (subject to changes)

Class preparation: Preparation is necessary for learning. For this class, reading the textbook chapters before coming to class is an absolute necessity. If necessary, quizzes will be given to ensure your interest in reading the textbook. Keep in mind that this course is not about programming but about how programming languages work. Students need to gain understanding first before putting things in practice. It is a fair assumption that all the suggested readings will be covered by exams.

Contact: Students are encouraged to visit with me. Most problems can be resolved more efficiently and effectively by personal visit. In particular, it may not be the best way to send an e-mail on the due day of an assignment asking a help for the assignment.

Should e-mails are preferred, students should use the e-mail address of the instructor at the beginning of this syllabus. Only the e-mails sent to this account will be responded.

The subject line of any e-mails sent to the instructor should start with "[IST261]". Otherwise, the e-mails may not be responded properly in a timely manner. Emails sent after hours or weekend

²Defined in the Undergraduate Catalog.

will be replied the next school day.

A useful information on how students can forward their Marshall emails to an address of their choosing can be found at http://www.marshall.edu/muonline/e-mail/.

University policies: By enrolling in this course, you agree to the University Policies listed below. Please read the full text of each policy be going to http://www.marshall.edu/academic-affairs and clicking on "Marshall University Policies." Or, you can access the policies directly by going to http://www.marshall.edu/academic-affairs/?page_id=802.

Academic Dishonesty/ Excused Absence Policy for Undergraduates/ Computing Services Acceptable Use/ Inclement Weather/ Dead Week/ Students with Disabilities/ Academic Forgiveness/ Academic Probation and Suspension/ Academic Rights and Responsibilities of Students/ Affirmative Action/ Sexual Harassment