UNITED INTERNATIONAL UNIVERSITY
COURSE SYLLABUS

1	**School**	School of Science & Engineering
2	**Department**	Department of CSE
3	**Programme**	BSCSE [BSc in Computer Science & Engineering]
4	**Name of Course**	Database Management Systems Laboratory
5	**Course Code**	CSI 222
6	**Trimester and Year**	Spring, 2021
7	**Pre-requisites**	
8	**Status**	Core Course
9	**Credit Hours**	1.00
10	**Section**	A
11	**Class Hours**	Sun : 08:30 AM - 11:00 AM
12	**Class Location**	Room: Computer Lab 6 (0524)[-Permanent Campus]
13	**Course website**	http://lms.uiu.ac.bd/
14	**Name (s) of Academic staff / Instructor(s)**	Mohammad Imam Hossain
15	**Contact**	Email: imam@cse.uiu.ac.bd, Phone: 01922181860
16	**Office**	Room # 319-A
17	**Counselling Hours**	Saturday 12:05 PM - 03:05 AM Sunday 11:30 AM - 02:30 PM Tuesday 12:05 PM - 03:05 AM Wednesday 11:30 AM - 02:30 PM
18	**Text Book**	1. Database System Concepts by Abraham Silberschatz, Henry F. Korth and S.Sudarshan 2. Database Systems: The Complete Book, by Garcia-Molina, Ullman and Widom
19	**Reference**	1. https://dev.mysql.com/doc/refman/8.0/en/ 2. http://www.mysqltutorial.org/ 3. https://www.w3resource.com/sql-exercises/ 4. https://www.coffeendcode.com/MYSQL/introduction.htm
20	**Equipment & Aids**	Bring your own device, pen and notebook to participate effectively in classroom activities. You are not allowed to borrow from others inside the classroom during class activities.

21	**Course Rationale**	Database Designing and Manipulation Project based work for interacting with database systems
22	**Course Description**	Laboratory work based on CSI 221.
23	**Course Objectives**	The course is designed to provide the background of the following topics 1. Provide a managerial understanding and approach to the technical subject of database management. 2. Illustrate the important role that database systems play in an organization 3. Provide you with a background to understand the subject, and a foundation upon which to build your management decisions. 4. Investigate how database management system techniques are used to design, develop, implement and maintain modern database applications in organizations.
24	**Learning Outcomes**	After the end of this course, the students will be able to: 1. Implement relational database models and capable to manage correlated data based on software requirements. () 2. Extrapolate the theories and techniques in developing database applications, management and security. () 3. Engage in effective communication through presentation of the project work, database modeling and project reports. () 4. Contribute to the DBMS project development using enterprise DBMS products such as SQL server and lead the team. ()
25	**Teaching Methods**	Lecture (L), Case Study (CS), Q/A, Assignment (A), Online (O), Quizzes, Project
26	**Topic Outline**	

	Class	Topics Or Assignments	CLOs	Reading Reference	Activities
	1	Introduction to relational databases. Environment to work with relational databases.	2	Text Book and Web Resources	L, Q/A
	2	Implementation of relational database based on case study.	2	Text Book and Web Resources	L, Q/A, A, O, Q
	3	Manipulation of implemented relational databases.	1	Text Book and Web Resources	L, Q/A, A, O, Q
	4	Introduction to the development of database project using database server and web server.	4	Text Book and Web Resources	L, Q/A, A, Q
	5	Basic database queries implementation using sql	1	Text Book and Web Resources	L, Q/A, O, Q

	6	Intermediate database queries implementation using sql	1	Text Book and Web Resources	L, Q/A, O, Q
	7	Advanced database querier implementation using sql	1	Text Book and Web Resources	L, Q/A, O, Q
	8	Partial project presentation and group work evaluation	3, 4		P
	9	Develop the initiated project with database theories and techniques	4	Text Book and Web Resources	P
	10	Project presentation and group work evaluation	3, 4		P
	11	Final Presentation of the developed projects using database and web server in team	3,4	Text Book and Web Resources	L, Q/A, O, Q, P
	12	Lab Final Exam	2		P

27	**Assessment Methods**	**Assessment Type**	**Mark**
		Attendance	5%
		Assignment	10%
		Class Assessment	30%
		Project Proposal Presentation(ERD)	10%
		Project Weekly Update	15%
		Final Project Presentation, Viva	25%
		Final Report on Project	5%

28 **Grading Policy**

Letter Grade	**Marks %**	**Grade Point**	**Letter Grade**	**Marks%**	**Grade Point**
A (Plain)	90-100	4.00	C+ (Plus)	70-73	2.33
A- (Minus)	86-89	3.67	C (Plain)	66-69	2.00
B+ (Plus)	82-85	3.33	C- (Minus)	62-65	1.67
B (Plain)	78-81	3.00	D+ (Plus)	58-61	1.33
B- (Minus)	74-77	2.67	D (Plain)	55-57	1.00
			F (Fail)	<55	0.00

29	**Additional Course Policies**	1. Class Attendance and Participation: Class attendance is mandatory to qualify for grading as per university policy. But I will grade you on the basis of your in time presence. So after taking attendance of the class, there will be no provision for recording attendance. 2. Examination: There is NO provision for make-up of missed classes and quizzes. Expect quiz on completion of each topic. 3. Assignment: You are expected to submit assignments on due date. No provision for late submissions 4. Counseling: You are expected to follow the counseling time-table as set out in this course.
30	**Additional Info**	1. Academic Calendar Summer 2018: http://www.uiu.ac.bd/academic/calendar/ 2. Academic Information and Policies: http://www.uiu.ac.bd/academic/academic-information-policies/ 3. Grading and Performance Evaluation: http://www.uiu.ac.bd/academic/grading-performance-evaluation/ 4. Proctorial Rules http://www.uiu.ac.bd/academics/proctorial-committee/proctorial-rules/