CENG315 Information Management (Fall 2022 – 2023)

Week	Who?	Date	Subject	Book Chapter	Term Project
1	B.E.B (F2F)	3/10	Course Introduction Introduction, Relational Model, Querying	Book 2, Ch. 1, 2	
2	B.E.B (F2F)	10/10	Relational Design	Book 3, Ch. 6	
3	B.E.B.(Online)	17/10	Relational Algebra	Book 2, Ch. 4	
4	B.E.B.(Online)	24/10	Relational Algebra	Book 2, Ch. 4	Step 1: Project Group & Title
5	Assistants (F2F)	31/10	SQL	Lecture Notes	
6	Assistants (F2F)	7/11	SQL	Lecture Notes	Step 2: Project Design Report
7	B.E.B (Online)	14/11	Integrity, Security	Book 2, Ch. 5	
8	B.E.B. & Asisstants (F2F)	**21/11**	**Midterm**		*Feedback on Project Design Reports*
9	B.E.B (F2F)	28/11	Functional Dependencies	Book 4, Ch. 3	
10	B.E.B ((Online)	5/12	Views, Indexes	Book 2, Ch. 6	
11	B.E.B.(Online)	12/12	Transactions, Recovery	Book 1, Ch. 15	
12	B.E.B (Online)	19/12	Concurrency Control	Book 1, Ch. 16 Book 3, Ch. 18	
13	B.E.B.((Online)	26/12	Query Optimization	Book 2, Ch. 24	Step 3 & 4: Final Project Design Report & Implementation of the Project
14	B.E.B. & Assistants (F2F)	**02/01**	**Project Presentations**		Step 5: Presentation
15	B.E.B. & Asistants (F2F)	**09/01**	**Final**		

Books:

Book 1: C.J. Date, An Introduction to Database Systems, 8th Ed., 2003.

Book 2: Edward Sciore, Database Design and Implementation, Wiley, 2020.

Book 3: A. Silberschatz, HF. Korth, S. Sudarshan, Database System Concepts, 7th Ed., McGraw-Hill, 2019.

Book 4: Jeffrey D. Ullman and Jennifer Widom, A First Course in Database Systems, 3rd Ed., 2008.

Grading: Midterm: 35%, Project: 25%, Final 40%

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