

Tentative Planning

Tentative schedule, Updated weekly; 25 April 2022		
Material	Date	Day
Week 1 Introductions to the course		
No Lab	21 Feb	M
	22	T
	24	Th
Introduction to Course, Purpose and Characteristics,		
Week 2 Introductions to the course		
Lab	28	M
	1 March	T
	3	Th
Simple Databases and SQL Structure of Relational Databases Relational Operations		
Week 3 Introductions to the course		
Lab	7	M
	8	T
	10	Th
Queries, integrity constraints, primary keys Advanced queries and aggregates		
Week 4 Introductions to the course		
Lab	14	M
	15	T
	17	Th
Structural Queries Foreign keys, Query Structure Advanced queries, joins and aggregates Short Review		
Week 5		
Spring Break!!!	21	M
Spring Break!!!	22	T
Spring Break!!!	24	Th
Week 6		
No Lab	28	M
	29	T
	31	Th
Working with keys and joins DBBrowser, Discussion of Exam 1		
Week 7		
Exam 1	4 April	M
Lab 04 assignment	5	T
	7	Th
Python DB automation		

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Python DB automation		
Week 8		
	11	M
	12	W
	14	F
Python DB automation		
Python DB automation		
Week 9		
Lab	18	M
	19	T
	21	Th
Django and its Database		
Streamlit and SQL		
Week 10		
Lab	25	M
	26	T
	28	Th
Project Assignments		
MongoDB		
Week 11		
Exam 2 : Project DB and update	2 May	M
	3	T
	5	Th
MongoDB		
PyMongo: automating databases		
Week 12		
Lab	9	M
	10	T
	12	Th
Neo4J		
Visual Searches and Queries		
Week 13		
No Lab	16	M
Projects are due	18	Wed
No extensions possible		