Lecture #1:	21 June 1994
Scribe:	from your T.A.

Course facts

This BTVI course is being taught using tapes from the course CS245, "Database System Implementation", taught last Winter (1993-94) by Prof. Hector Garcia Molina (*email: hector@cs.stanford.edu*). The lectures are on Tuesdays and Thursdays at 9:15 to 10:45pm in Skilling 193.

Your BTVI T.A.

- **G. Ramkumar**

office:	CS-TAC 31
tel.:	723-6059
e-mail:	ram@cs.stanford.edu
office hours:	Tue/Thu, 4:00–5:30 pm in CS-TAC 31

Secretary

- **Marianne Siroker**

office:	MJH 436
tel.:	723-0872
e-mail:	siroker@cs.stanford.edu

Important: If you haven't signed up on the in-class signup sheet, please send your email address to *ram@cs.stanford.edu* for inclusion in the class mailing list. This list will be an important medium of communication.

TextBook

The textbook for the course is "Database System Concepts," Second Edition, by Korth and Silberschatz. The book was published by McGraw Hill in 1991.

Communication

There is a newsgroup `su.class.cs245` meant for discussion pertinent to the class. There will also be a mailing list of the students taking the class. It will be called `cs245@flamingo.stanford.edu` (this should be used with discretion).

Grading

There will be 7 written homework assignments and no programming. The homeworks will acount for 20% of the grade, midterm for 30% and the final for 70%.

Tentative Schedule

Date	Chapter	Topic	Homework (tentative)
Tue, Jun 21		Introduction	
Thu, Jun 23	Ch. 7	Hardware	Homework 1 in.
Tue, Jun 28	Ch. 7	File and System Structure	
Thu, Jun 30	Ch. 7	File and System Structure	Homeworks 1 due, 2 in.
Tue, Jul 5	Ch. 8	Indexing and Hashing	
Thu, Jul 7	Ch. 8	Indexing and Hashing	Homeworks 2 due, 3 in.
Tue, Jul 12	Ch. 8	Indexing and Hashing	
Thu, Jul 14	Ch. 9	Query Processing	Homeworks 3 due, 4 in.
Tue, Jul 19	Ch. 9	Query Processing	
Thu, Jul 21	Ch. 9	Query Processing	Homework 4 due.
Tue, Jul 26		Midterm	
Thu, Jul 28	Ch. 10	Crash Recovery	Homework 5 in.
Tue, Aug 2	Ch. 10	Crash Recovery	
Thu, Aug 4	Ch. 11	Concurrency Control	
Tue, Aug 9	Ch. 11	Concurrency Control	Homeworks 5 due, 6 in.
Thu, Aug 11	Ch. 11	Concurrency Control	
Tue, Aug 16	Ch. 11	Transaction Processing	Homeworks 6 due, 7 in.
Thu, Aug 18	Ch. 12	Distributed Databases	
Tue, Aug 23	Ch. 15	Security and Integrity	Homework 7 due.
Thu, Aug 25	Ch. 16	Review	

Text book sections not covered: 10.7, 11.4, 15.7.2, 15.7.3, 15.10, 15.11
Note: The homework due-dates are tentative (correct due-date will be on homework).

Final exam

The final exam will be held on Friday, Aug. 26, at 12:15pm–3:15pm. Please let me know (by email) if you have a conflict. The date and time are tentative. Please watch out for an announcement in class or over email.