A. Mandatory courses:

The course will be assessed in lectures and tutorials.

The course grade will be determined by:

- Final Exam: 50%
- Home Projects: 25%
- Written Assignments: 25%

- Assignment 1: Submission date – Before and including Wednesday, 27.4.18
- Assignment 2: Submission date – Before and including Wednesday, 25.5.18
- Assignment 3: Submission date – Before and including Wednesday, 15.6.18
- Assignment 4: Submission date – Before and including Wednesday, 27.4.18

Due to the Jewish holiday of Passover 2018:
- Assignment 4: Submission date – Before and including Wednesday, 5.5.18.
- Assignment 5: Submission date – Before and including Wednesday, 25.5.18.

Due to the Jewish holiday of Rosh Hashanah 2018:
- Assignment 5: Submission date – Before and including Wednesday, 4.9.18.
- Assignment 6: Submission date – Before and including Wednesday, 10.9.18.

B. The course will cover transactional information systems and concurrency control.

1. Transactional Information Systems: Theory, Algorithms, and the Practice of Concurrency Control and Recovery
   
   by Gerhard Weikum, Gottfried Vossen
   
   [Link to book](https://books.google.co.il/books?id=wV5Ran71zNoC&printsec=frontcover#v=onepage&q&f=false)

   [Link to web](http://dbis-group.uni-muenster.de/dbms/templates/researchAndPublications/publicationBookDetail.php?id=13)


   Available online at [Link](http://research.microsoft.com/pubs/econtrol/)

   [Link](http://research.microsoft.com/en-us/people/philbe/econtrol.aspx)

7. ORACLE Literature, available online:

   Oracle® Database Concepts
   12c Release 1 (12.1) E41396-13
   [Link](https://docs.oracle.com/database/121/CNCPT/E41396-13.pdf)
1. Jim Gray and Andreas Reuter. 

   Principles of Distributed Database Systems.

3. V. Kumar and M. Hsu. 
   Recovery Mechanisms in Database Systems.

4. J.D. Ullman. 
   Principles of Database and Knowledge-Base Systems.

5. P.A. Bernstein and E. Newcomer. 
   Transaction Processing.

   Database System Implementation.

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