

## ADM 2010/11 Revision Notes

### Week 1

Examinable:

Sections 1-4 (inclusive) of the notes on *Principles of Database Systems*.  
Homework exercises 1 and 2.

For interest only:

Sections 5-10 of the notes.

### Week 2

Examinable:

Sections 1-4 of the notes on *Principles of Database Systems 2*.  
Homework exercises 1, 2 and 3 of those notes (similar exam questions may be set).

### Week 3

*Oracle Database Programming, Tutorials 1 and 2* are examinable.

You may be asked in the exam to write similar procedures, functions and triggers as were set in Lab Coursework 1.

### Week 4

Examinable:

Sections 1-4 (inclusive) of the notes on *Transaction Management*.  
The Homework reading that was set in those notes.

For interest only:

The Appendix of those notes.

Examinable:

Sections 1-4 (inclusive) of the notes on *Active and Deductive Databases*.

For interest only:

The homework exercises from those notes were optional, and this kind of exam question will not be set.

### Weeks 5 and 8

Examinable:

Sections 1-3 (inclusive) of the notes on *Query Processing and Query Optimisation*.  
Homework 3, Exercise 1 from those notes (similar exam questions may be set).  
The reading that was set in Homework 3, Exercise 3 of those notes.

For interest only:

The Appendix of those notes.  
Homework 3, Exercise 2 of those notes.

#### Week 6 and 7

Please refer to Dr Sven Helmer

#### Week 9

Examinable:

Sections 1- 4 (inclusive) of the notes on *Distributed and Heterogeneous Databases* (but you will not be asked to undertake a schema translation or schema integration exercise in the exam).

The handout “*A Tutorial on the IQL Query Language*” (you may be asked in the exam to write similar IQL queries to those that were set in Lab Coursework 3).

For interest only:

The handout “The AutoMed Data Integration Toolkit”.

The handout on Oracle’s distributed database functionality.

The Appendices of the notes on Distributed and Heterogeneous Databases.

#### Week 10

*AutoMed Data Integration Tutorial 1* is examinable, but Tutorial 2 is optional.

You may be asked to write similar IQL queries to those that were set in Lab Coursework 3 in the exam.

You will not be expected to know the details of the AutoMed toolkit in the exam. You will not be asked to undertake a schema integration exercise.

#### Week 11

Examinable:

Sections 1, 2 and 3.1 of the notes on *Distributed and Heterogeneous Databases 2* (but you will not be ask to undertake questions such as in Examples 1 and 2).

For interest only:

Section 3.2 of those notes.

The reading set in the Homework those notes.

Examinable:

Sections 1-4 of the notes on *Web Data Management*.

Reading the first paper in the Homework part of those notes, by Naz et al.

For interest only:

The other papers referenced in the Homework part of those notes.