

<div class="printBefore">
<h1 class="pageTitle">COMP2004J Databases and Info Systems</h1>
<h2>Academic Year 2018/2019</h2>

The Collection, organisation and storage of data are major tasks in many human activities and in every modern computing system. Computer-based information systems ensure that this data is permanently maintained, quickly updated and made accessible to users. Databases are essential components of computerised information systems. This is a module for all students interested in understanding how to design, develop and query databases. In this module students will learn the fundamentals of database models, database designing methodologies, database querying and database normalisation theory. They will learn details about the relational database model, relational query languages, the entity-relationship model for database design, and database normalisation. From a more practical point of view they will gain experience in building a relational database using a relational database management system (such as MySQL). Students will find these skills very useful in the development of any application requiring the storage and manipulation of data.

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<div style="text-align:center;"><p>Curricular information is subject to change</p></div>

What will I learn?

Learning Outcomes:

<p>On completion of this module students should be able to formulate, explain and compare the fundamental database concepts; design a relational database (conceptual and logical design using entity-relationship and relational models); analyse a relational database table to verify that it is in normal form; implement and query a relational database.</p>

How will I learn?

Student Effort Hours:

Student Effort Type	Hours
Lectures	32
Laboratories	26
Autonomous Student Learning	67
Total	125

Am I eligible to take this module?

<div class="subHeadCB">Requirements, Exclusions and Recommendations</div>

<p>Not applicable to this module.</p>

<div class="subHeadCB">Module Requisites and Incompatibles</div>

How will I be assessed?

Description	% of Final Grade	Timing
Examination: < Description >	70	2 hour End of Trimester Exam
Continuous Assessment: < Description >	30	Varies over the Trimester

What happens if I fail?

<p><u>Compensation</u></p>
<p>This module is not passable by compensation</p>
<p><u>Resit Opportunities</u></p>
<p>End of Semester Exam</p>


Remediation

If you fail this module you may repeat, resit or substitute where permissible.

Reading List

Associated Staff

Name	Role
Dr Seán Russell	Lecturer / Co-Lecturer

 UCD Course Search

Databases and Info Systems (COMP2004J)

Academic Year 2018/2019

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Databases and Info Systems (COMP2004J)

Subject:

Computer Science

College:

Science

School:

Computer Science

Level:

2 (Intermediate)

Credits:

5.0

Semester:

Semester Two

Module Coordinator:

Dr Ruihai Dong

Mode of Delivery:

N/A

How will I be graded?

40%

Print Page

Google Chrome is recommended when printing this page