<div class="printBefore">
<h1 class="pageTitle">COMP2013J Databases and Info Sys (S/E)</h1>
<h2>Academic Year 2019/2020</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	30
Laboratories	26
Autonomous Student Learning	69
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>

Not applicable to this module.

How will I be assessed?

Description	Timing	Open Book Exam	Component Scale	Must Pass Component	% of Final Grade
Continuous Assessment: Large Assignment covering course materials.	Unspecified	n/a	Alternative linear conversion grade scale 40%	No	70
Continuous Assessment: Continuous Assessment	Varies over the Trimester	n/a	Alternative linear conversion grade scale 40%	No	30

<div class="row">
<div class="col-sm-6">Carry forward of passed components
No</div>
</div>

What happens if I fail?

Resit In	Terminal Exam
Summer	Yes - 2 Hour

Assessment feedback

<div class="subHeadCB">Feedback Strategy/Strategies</div>
<p>* Group/class feedback, post-assessment
* Self-assessment activities
</p>
<div class="subHeadCB">How will my Feedback be Delivered?</div>
<p>Not yet recorded.</p>

Reading List

<div class="pageBreak"><nav class="white-box no-left-arrow zero-top-margin">
<h1 class="printOnly"><img src="https://www.ucd.ie/t4cms/ucdcollegesandschools_logo.png"> UCD Course Search
Databases and Info Sys (S/E) (COMP2013J) </h1><h3 class="printOnly">Academic Year 2019/2020</h3><p class="printOnly">The information contained in this document is, to the best of our knowledge, true and accurate at the time of publication, and is solely for informational purposes. University College Dublin accepts no liability for any loss or damage howsoever arising as a result of use or reliance on this information.</p>
  <h4 class="noPrint">Databases and Info Sys (S/E) (COMP2013J)</h4>
  <dl>
   <dt>Subject:</dt>
   <dd>Computer Science</dd>
   <dt>College:</dt>
   <dd>Science</dd>
   <dt>School:</dt>
   <dd>Computer Science</dd>
   <dt>Level:</dt>
   <dd>2 (Intermediate)</dd>
   <dt>Credits:</dt>
   <dd>5.0</dd>

   <dt>Trimester:</dt>
   <dd>Spring</dd>
   <dt>Module Coordinator:</dt>
   <dd>Dr Seán Russell</dd>
   <dt>Mode of Delivery:</dt>
   <dd>Face-to-Face</dd>
<dt>Internship Module:</dt><dd>No</dd>

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<dt>How will I be graded?</dt>
 <dd>Letter grades </dd>

  </dl>
<div class="noPrint" style="text-align:center; margin-top:10px;"><button class="menubutton" onclick="window.print()"><i class="fa fa-print fa-fw"> Print Page</button>
<span style="font-size:0.8em"><em>(<a href="https://www.google.com/chrome/" target="_blank">Google Chrome</a> is recommended when printing this page)</em></span></div>


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