<div class="printBefore">
<h1 class="pageTitle">COMP2007J Principles of Computer Organiz</h1>
<h2>Academic Year 2019/2020</h2>

This module provides an introduction to computer organisation in order to allow students to understand what is happing at a low level within a computer. After examining the development history and evolution of the digital computer, the module primarily focuses on the fundamental components of a modern computer system. This includes processor, memory (both internal and external), I/O, and the organisation and interconnection of these components. Emphasis is placed on the performance benefits that can be gained from various organisational decisions, along with tradeoffs that are often required in designing a computer system.
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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 completing this module, students will be have gained an understanding of the fundamental components of a computer system (processor, memory, I/O), what their respective functions are and how they are interrelated. They will also demonstrate an understanding of how the overall performance of a computer is dependent on the organisation and interconnection of these fundamental components.</p>

How will I learn?

Student Effort Hours:

Student Effort Type	Hours
Lectures	32
Tutorial	16
Autonomous Student Learning	77
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?

Assessment Strategy

Description	Timing	Open Book Exam	Component Scale	Must Pass Component	% of Final Grade
Continuous Assessment: Tutorial Assignments	Varies over the Trimester	n/a	Graded	No	100

<div class="row">
<div class="col-sm-6">Carry forward of passed components
Yes</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
</p>
<div class="subHeadCB">How will my Feedback be Delivered?</div>
<p>Not yet recorded.</p>

Reading List

Associated Staff

Name	Role
Dr Seán Russell	Lecturer / Co-Lecturer

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<h1 class="printOnly"><img src="https://www.ucd.ie/t4cms/ucdcollegesandschools_logo.png"> UCD Course Search
Principles of Computer Organiz (COMP2007J) </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">Principles of Computer Organiz (COMP2007J)</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 Shen Wang</dd>
   <dt>Mode of Delivery:</dt>
   <dd>Face-to-Face</dd>
<dt>Internship Module:</dt><dd>No</dd>

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

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(Google Chrome is recommended when printing this page)</div>

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