<h1 class="pageTitle">COMP2007J Principles of Computer Organiz</h1>
<h2>Academic Year 2018/2019</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.

Curricular information is subject to change

What will I learn?

Learning Outcomes:
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.

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?

Requirements, Exclusions and Recommendations

Not applicable to this module.

Module Requisites and Incompatibles

How will I be assessed?

Description	% of Final Grade	Timing
Examination: < Description >	60	2 hour End of Trimester Exam
Continuous Assessment: < Description >	40	Varies over the Trimester

What happens if I fail?

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

<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
Principles of Computer Organiz (COMP2007J) </h1><h3 class="printOnly">Academic Year 2018/2019</h3> 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.
<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>Semester:</dt>
<dd>Semester Two</dd>
<dt>Module Coordinator:</dt>
<dd>Dr Shen Wang</dd>
<dt>Mode of Delivery:</dt>
<dd>N/A</dd>

<dt>How will I be graded?</dt>
<dd>40% </dd>

</dl>
<button class="menubutton" onclick="window.print()"><i class="fa fa-print fa-fw"> Print Page</button>
(Google Chrome is recommended when printing this page)

</nav>