<h1 class="pageTitle">OSH40040 Chemical Safety and Toxicology</h1>
<h2>Academic Year 2019/2020</h2>

This module focuses on chemical actions and interactions in the human body and the potential effects of major classes of toxicants to human health. The principles of chemical hazard risk assessment are addressed, and the appropriate control and preventive strategies for hazardous chemicals are introduced. The interaction between OSH practices and environmental licensing and public health impact assessment is introduced.

Curricular information is subject to change

What will I learn?

Learning Outcomes:
At the end of this module students will be able to:

Apply the principles of toxicology to the identification, assessment, control and management of chemical hazards in the workplace and as appropriate to the larger environment.

Devise appropriate evidence-based control and management strategies to ensure chemical safety in the workplace.

Demonstrate a high level of knowledge of relevant legislation, literature and global and European initiatives aimed at reducing risks in this context.

Indicative Module Content:
Introduction to toxicology
Dose Response
Toxic Chemicals
Blood Toxicology
Chemical Risk Assessment
Chemical Transportation and Management
Environmental Licensing
Public health impact assessment

How will I learn?

Student Effort Hours:

Student Effort Type	**Hours**
Lectures	36
Specified Learning Activities	20
Autonomous Student Learning	40
Online Learning	4
Total	**100**

Am I eligible to take this module?

Requirements, Exclusions and Recommendations

Not applicable to this module.

Module Requisites and Incompatibles

Equivalents:

Chemical Safety and Toxicology (SHWW40040)

How will I be assessed?

Assessment Strategy

Description	Timing	Open Book Exam	Component Scale	Must Pass Component	% of Final Grade
Project: Essay Part 2	Coursework (End of Trimester)	n/a	Graded	No	50
Project: Essay Part 1	Week 6	n/a	Graded	No	50

Carry forward of passed components
No

What happens if I fail?

Resit In	Terminal Exam
Summer	Yes - 2 Hour

Assessment feedback

Feedback Strategy/Strategies
* Feedback individually to students, post-assessment

How will my Feedback be Delivered?
Individual feedback will provided alongside provisional grades within 20 working days of submission on Brightspace.

Reading List

Associated Staff

Name	Role
Ms Derval Cumiskey	Lecturer / Co-Lecturer
Professor Anne Drummond	Lecturer / Co-Lecturer
Dr Craig Slattery	Lecturer / Co-Lecturer
Dr Penpatra Sripaiboonkij	Lecturer / Co-Lecturer

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<h1 class="printOnly"><img src="https://www.ucd.ie/t4cms/ucdcollegesandschools_logo.png"> UCD Course Search
Chemical Safety and Toxicology (OSH40040) </h1><h3 class="printOnly">Academic Year 2019/2020</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">Chemical Safety and Toxicology (OSH40040)</h4>
<dl>
<dt>Subject:</dt>
<dd>Occupational Safety&Health</dd>
<dt>College:</dt>
<dd>Health & Agricultural Sciences</dd>
<dt>School:</dt>
<dd>Public Hlth, Phys & Sports Sci</dd>
<dt>Level:</dt>
<dd>4 (Masters)</dd>
<dt>Credits:</dt>
<dd>5.0</dd>

<dt>Trimester:</dt>
<dd>Spring</dd>
<dt>Module Coordinator:</dt>
<dd>Assoc Professor Conor Buggy</dd>
<dt>Mode of Delivery:</dt>
<dd>Blended</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)

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