

<b>Short Title:</b>	Practical Course <b>APPROVED</b>
<b>Full Title:</b>	Practical Course
<b>Module Code:</b>	PRAC H4001
<b>Credits:</b>	9
<b>Field of Study:</b>	Biology and biochemistry
<b>Module Delivered in</b>	<a href="#">1 programme(s)</a>
<b>Reviewed By:</b>	JOHN BEHAN
<b>Module Author:</b>	JOHN BEHAN
<b>Module Description:</b>	<p>It is intended that this practical module will be organized as a series of mini-projects with a duration of one or more weeks. A series of nine practicals will be organized for semester 7, and four for semester 8. In all practicals, students will be encouraged to develop their ability to integrate the use of various laboratory techniques in order to solve a prescribed scientific problem. The concept of team-work, good laboratory practice and the need for both validation and statistical evaluation of results will be emphasized throughout. An underlying theme will also be the development of students' oral and written presentation skills.</p>

<b>Learning Outcomes</b>	
<i>On successful completion of this module the learner will be able to:</i>	
LO1	Be able to work individually or as part of a team;
LO2	Be able to integrate laboratory techniques in order to solve prescribed problems
LO3	Have enhanced oral and written presentation skills;
LO4	Be able to critically evaluate analytical methods and use appropriate statistical methods of evaluation;
LO5	Be able to execute efficient time management
LO6	Be able to work within the boundaries of good laboratory practice

**Module Content & Assessment**

<b>Course Work</b>				
<i>Assessment Type</i>	<i>Assessment Description</i>	<i>Outcome addressed</i>	<i>% of total</i>	<i>Assessment Date</i>
Practical/Skills Evaluation	For a demonstration of technical competency and the completion of practical reports during the semester;		50.00	Sem 1 End
Continuous Assessment	Continuous assessment will be carried out through oral examination (viva voce) at the end of this module. It is intended that this form of assessment will test the students' ability to think laterally in relation to available techniques when solving specific problems. The students understanding of practicals along with the concept of controls, process of validation and safety considerations will also be assessed.		30.00	n/a
Practical/Skills Evaluation	For accurate and effective recording of experimental data		20.00	Sem 1 End

No End of Module Formal Examination

**TU Dublin – Tallaght Campus reserves the right to alter the nature and timings of assessment**

**Module Workload**

This module has no Full Time workload.

This module has no Part Time workload.

## Module Resources

*This module does not have any book resources*

*This module does not have any article/paper resources*

*This module does not have any other resources*

**Module Delivered in**

Programme Code	Programme	Semester	Delivery
TA_SBIOL_B (1 year add on)	<a href="#">Bachelor of Science (Honours) in Bioanalytical Science</a>	7	Mandatory