

Module Code	EEEN30180
Model Name	Bioinstrumentation
Module Coordinator	Assoc. Prof. Stephen Redmond
Academic Years	23/24 onwards
Trimester	Spring
Teaching Weeks	<i>UCD Week 1-12</i>
Assessment Weeks	<i>e.g. UCD Week 13 - 15</i>
Lectures	<ul style="list-style-type: none"> Asynchronous: Pre-recorded video on YouTube with recommended viewing schedule
Tutorials / Practicals	<ul style="list-style-type: none"> 10 in-person on-campus tutorials with live online alternative for ADVANCE programme students. <ul style="list-style-type: none"> Typically 10 x 100-minute tutorial in Weeks 2-12 (except Week 8). We don't currently have an online tutorial option, but it can be implemented over Zoom. 4 x 3-hour practical laboratories on campus; <ul style="list-style-type: none"> if required, online LTspice-based simulation alternatives can be offered, but is really not as good an experience. [To be decided]
Assignments	<ul style="list-style-type: none"> 4 laboratory reports (20% of module grade)
Tests	<ul style="list-style-type: none"> 10x short in-class Brightspace quizzes during tutorials (10% of module grade) 1x mid-term quiz (20% of module grade)
Examination	<ul style="list-style-type: none"> 1x end-of-term open book written exam in UCD exam centre (50% of module grade)
Typical weekly workload	<ul style="list-style-type: none"> Lectures: 2.5 hours of online video content Tutorials: 10 x 100-minutes tutorial in Weeks 2-7, 9-12 (approx. 1.5 hours per week on average) Labs: 3 hours x 4 labs (approx. 40 mins per week on average) Self-study: 5 hours approx.. (revision of video content; lab prep and reporting writing; tutorial prep; study for quiz and exam) Total: 10 hours on average, approximately (equivalent to 5 ECTS credits over 12 week term)