

Faculty of Science

Augmented Remote Teaching, Learning, and Assessment (ARTLA)

First Semester 2022

The Faculty of Science will be offering **Augmented Remote Teaching, Learning, and Assessment (ARTLA)** using venues to the maximum allowed capacity (as determined by the Department of Higher Education regulations) during the first semester of 2022. All students will have the benefit of **in-person teaching and learning activities** on SU campus, **at least on a rotational basis**.

All **teaching and learning activities will be offered synchronously (real-time)** which means that students will need to participate during a scheduled timetable slot in a face-to-face (f2f) session or a live session via Teams. No teaching and learning activity will be online only. There is no expectation that any teaching and learning activity offered synchronously will be recorded and available asynchronously, in accordance with POPIA 2021. Pre-recorded videos on core concepts and skills may be available.

Depending on the venue capacity limit for a teaching and learning activity, the activity will be either

- **Face-to-face (f2f)** meaning the activity will be in a physical venue with lecturers/facilitators and all students present in person.

or

- **Augmented** meaning the activity will be in a physical venue with lecturers/facilitators and a limited number of students present in person. There will be synchronous (real-time) streaming and/or a dedicate online facilitator if there are also students participating via Teams.

There is flexibility and differentiation in the synchronous teaching and learning approaches. This is to accommodate the disciplinary differences, concerns about health and safety of staff and students, and the availability of COVID-compliant venues and labs with suitable access and technology. Together we will strive for an enriching teaching and learning experience while promoting our health and safety.

All the main (summative) assessments written during the A1, A2, and A3 assessment periods and all class tests, first and second examination opportunities will be offered as **invigilated on-campus assessments**. In addition, regular (formative) assessments written during lectures or tutorial slots may be offered as **online assessments**.

If the Department of Higher Education regulations regarding the venue capacity limit are lifted during the semester, teaching and learning activities will be offered f2f for most modules.

Specific details will be available in the module frameworks on SUNLearn.

First-year modules:

	Lectures	Tutorials	Practicals
Science in Context	Augmented	Augmented	n/a
Biology 124	Augmented	n/a	Augmented
Chemistry 124	Augmented (until venue capacity changes allow for fully f2f)	f2f	f2f
Computer Science 113, 114	Augmented	Augmented	Augmented
Computer Skills 171	Augmented	n/a	n/a
Mathematics 114	Augmented	Augmented	n/a
Mathematics (bio) 124	Augmented	Augmented	n/a
Physics 114	Augmented (until venue capacity changes allow for fully f2f)	f2f	Augmented
Physics (bio) 134	Augmented	Augmented	Augmented
Physiology 114	Augmented	Augmented	n/a
Probability Theory and Statistics 114	Augmented	Augmented	n/a

Second-year modules:

	Lectures	Tutorials	Practicals
Applied Mathematics 214	Augmented	Augmented	n/a
Biochemistry 214	Augmented	Augmented	Practicals 1 & 3: Compulsory f2f experiments in the laboratory Practicals 2 & 4: Fully online
BDE 212	F2f (majority) (for SCT and CM lecturers) AND Augmented for MIC	n/a	f2f
BDE 214	Augmented	n/a	f2f
BDE 224	f2f	n/a	f2f
Chemistry 214	Augmented (until vanue capacity changes allow for fully f2f)	f2f	f2f
Chemistry 234	Augmented (until vanue capacity changes allow for fully f2f)	f2f	f2f
Computer Science 214	Augmented	Augmented	Augmented
Computer Skills 272	Augmented	Augmented	Augmented
Environmental Geochemistry 214	f2f	f2f	f2f
Geology 224	f2f	f2f	f2f
Mathematics 214	Augmented	f2f	n/a
Mathematics 278	Augmented	Augmented	n/a
Microbiology 214	Augmented	Augmented	f2f
Physics 224	f2f	f2f	f2f
Physiology 214	Augmented	Augmented	Augmented
Scientific Computing 372	Augmented	Augmented	Augmented

Third-year modules:

	Lectures	Tutorials	Practicals / Field work
Applied Chemistry 324	f2f	f2f	f2f
Applied Chemistry 334	f2f	f2f	f2f
Applied Chemistry 315	f2f	f2f	f2f
Applied Mathematics 314, 324	Augmented	Augmented	n/a
Biochemistry 315 Section A	Augmented	Augmented	n/a
Biochemistry 315 Section B	Augmented	Augmented	n/a
Biochemistry 315 Section C	Augmented	Augmented	n/a
Biochemistry 323	Augmented	Augmented	n/a
Bioinformatics 312	Augmented	n/a	Augmented
Biomathematics 374	f2f	f2f	f2f
BDE 315	f2f	n/a	f2f
BDE 324	f2f	n/a	f2f
BDE 334	f2f	n/a	f2f
Chemistry 314, 324	f2f	f2f	f2f
Computer Science 314, 334, 315	Augmented	Augmented	Augmented
Computer Skills 372	Augmented	n/a	n/a
Environmental Geochemistry 314	f2f	f2f	f2f
Financial Mathematics 378	Augmented	Augmented	n/a
Geology 314, 324	f2f	f2f	f2f
Mathematics 314, 324	f2f	f2f	n/a
Mathematics 325	Augmented	Augmented	n/a
Mathematics 378	Augmented	Augmented	n/a
Microbiology 314, 324	Augmented	Augmented	f2f
Physics 314, 334	f2f	f2f	n/a

Physics 384	f2f	n/a	f2f
Physiology 314, 334	Augmented	Augmented	Augmented Some online; some f2f
Scientific Computing 372	Augmented	n/a	n/a

Modules for the Faculty of Engineering and Faculty of Medicine and Health Sciences

	Lectures	Tutorials	Practicals
Applied Mathematics B124	Augmented	Augmented	n/a
Applied Mathematics B224	Augmented	Augmented	n/a
Chemistry for Health Sciences 112	Augmented	Augmented	Augmented
Industrial Chemistry C224	Augmented	Augmented	f2f
Computer Science E214	Augmented	Augmented	Augmented
Engineering Geology 214	Augmented	Augmented	Augmented
Engineering Mathematics 115	Augmented	Augmented	n/a
Engineering Mathematics 214	Augmented	Augmented	n/a
Engineering Physics 113	Augmented	Augmented	Online (do at home pracs)

EDP Modules: First Semester 2022

	Lectures	Tutorials	Practicals / Field work
Mathematics 176	Augmented	f2f	n/a
Mathematics 186	Augmented	f2f	n/a
Chemistry 176	f2f	f2f	Augmented Plan A: 2x online pracs in first and second semester via learning Science UK resource centre. Total 4 online pracs Plan B: 2x Pracs - one in first semester and one in second semester, with 50% lab occupancy.
Physics 176	Augmented	Augmented	f2f (1 practical spread over whole semester for small sections of the class at any time)
University Practice 176	Augmented	n/a	f2f
Computer Skills 176	Augmented	Augmented	Augmented
Scientific Communication Skills 116 (second semester)	Augmented	Augmented	n/a