Some prototypes for hybrid teaching

The following simplified models suggest some ways in which key teaching activities might be adapted for the three cohort groups (on-campus and co-present, online in the same time zone, online in different time zones). They are deliberately 'bare bones' starting points and are largely discipline agnostic. This means there would be many context-specific adaptations and additions driven by academic colleagues' preferences and teaching approaches.

The approaches outlined focus on using Learn and the other core supported services as hubs for activity. All assume students have access to a device for study and communication: lower bandwidth text and voice-only options will be important.

It is important to reiterate that the starting point for this is a **mapping and adaptation of current oncampus teaching activities**, not radical course re-design – we do not have enough time and capacity for the latter.

Preparation and induction

All activity is online.

	Students online,	Students online,	
Students on-campus	same time zone	different time zone	
Key readings in Learn via digital library resource lists			

Induction and introduction videos in Learn

Peer group connections to help students cohort-build enabled online: informal discussion boards in Learn; 'buddy' connections and small peer group connections organised if appropriate; social media connections if appropriate

Curriculum-appropriate online introductory exercises (automated or moderated)

Online versions of generic skills courses, e.g. English language support, Getting connected, Making the most of IT, Introduction to the Libraries, Study Skills, Academic writing, Studying from recorded lectures, Managing your data, Staying safe in a digital world (ISG, IAD, Library, COL)

Lectures

	Students online,	Students online,
Students on-campus	same time zone	different time zone
Physical attendance in lecture	Virtual attendance –	Students watch or listen to
if social distancing allows	students watch and engage	recording depending on
	with lecture livestream	bandwidth; some may choose
Students engage on lecture		to attend streamed lecture
chat live, or use Learn	Students engage on lecture	
discussion forums as	chat live, or use Learn	Students engage in discussion
appropriate		using Learn forums

	discussion forums as	
Lecture is recorded	appropriate	

There are creative ways of turning the time zone challenge into a positive, for example by asking students in a time zone ahead to curate questions in advance of a synchronous session, then asking the students in a later time zone to edit and summarise the discussion and responses.

Seminars and tutorials

Students on-campus	Students online, same time zone	Students online, different time zone
Physical attendance in class if social distancing allows	Students engage with the seminar recording and tutor- prepared task in asynchronous, small group Learn discussion forum	
Tutor-prepared task or discussion		
Seminar is 'captured' in whatever way is feasible and preferred, for example students in physical attendance create a shared digital note of the seminar, the seminar is recorded, or students create a video summary	Student leadership of these may be appropriate in some contexts (for example groups meet for further discussion in Collaborate and return to Learn with a summary and further questions)	
Students contribute to asynchronous, small group Learn discussion forum: forum is open for period both before and after the seminar		

As an alternative, some – or even all – seminars and tutorials could take place on a 'digital first' basis. Rather than try to record seminars run with students on-campus in some way which enables off-campus students to access them (e.g. via a video recording, or a written record), they could be run online for all students regardless of whether they are on-campus or remote. These could be either 'real time' in Collaborate, Teams or other preferred medium, or asynchronously in a Learn forum, open for a period of days. Where resource allows live seminars could be run twice (at different times) to allow for time zone issues.

Computing labs

Students on-campus	Students online, same time zone	Students online, different time zone
Physical attendance in lab if social distancing allows	Structured self-study using same activities	Structured self-study using same activities

Lab activities and resources	Responsive live	Responsive post-event
set by tutor	tutor/demonstrator support	tutor/demonstrator support
In-person, live	Teaching supported by	Teaching supported by
• •		S 11 <i>J</i>
tutor/demonstrator support	computational notebooks	computational notebooks
Teaching supported by		
computational notebooks		
computational notebooks		
	ng on-campus and off-campus stu	

Where there is a desire to bring on-campus and off-campus students together, a live chat channel could be set up to support students during the lab session (this would only work for remote students in the same time zone, but would create a record for others). Additional teaching staff in the lab would be needed to manage online interactions.

Labs, workshops and studios

Social distancing reduces lab throughput. Many in-person lab facilities are over-stretched already. PPE provision to be considered to maximise capacity of facilities that offer core proximal laboratories. Claw-back capacity for those labs which *must* be done in person by developing remote, virtual and simulated experiments to support online teaching wherever possible (steady growth in capacity over time). Home experiment kits strongly discouraged on the grounds of student equality, safety, cost (delivery, return, repair, and warehousing) and sustainability.

Student group work

Groups would be engineered for cohort spirit by including a mix of on-campus and online students. Most activity would be 'digital first'.

Students on-campus	Students online, same time zone	Students online, different time zone
Main focus of activity in small group spaces created on Learn: groups designed to mix on- campus and online students		
Small group meetings take place on Collaborate, Teams or students' preferred medium, and asynchronously in Learn discussion forums		
A record of group meetings and group work is created in a shared online space (for example using the university Academic Blogging Service on WordPress)		
Peer assessment through We	bPA or PeerMark	

Skills and professional practice

	Students online,	Students online,
Students on-campus	same time zone	different time zone
Placement experiences	Access to skills and methods tea	ching in hybrid mode where
and professional	possible.	
supervision meetings		
where possible.	Supported review and discussion	n of video-recorded practice of
	professionals, including in situ p	ractice (e.g. in a clinical
Skills and methods	environment) where possible.	
teaching on-campus		
(hybrid where possible).	Student peer-led practice on Teams or Collaborate, including	
	observation of, and engagement with, on-campus learners	
Curated access to open,	where possible. Opportunity to submit recordings of their own	
on-demand skills and	skills practice for asynchronous feedback using Media Hopper.	
methods provision (e.g.		
MOOCs and online	Support to source appropriate V	'R, AR, phone apps and
courseware, online	homemade craft solutions to pra	
demonstrations and video	(e.g. for simulation or deliberate	
tutorials).	tech contexts and low resource	settings.

Supported analysis and discussion of complex practice environments using video recordings, case studies, designed scenarios, and dialogue with field experts.
Curated access to open, on-demand skills and methods provision (e.g. MOOCs and online courseware, online demonstrations and video tutorials).

Field trips

	Students online,	Students online,
Students on-campus	same time zone	different time zone
In-person attendance where social distancing and travel restrictions allow.	Students engage with social broadcasts from on-campus students and/or tutors in the field.	Students engage asynchronously with social broadcasts from on-campus students and/or tutors in the field. Tutors in Edinburgh who
Local trips not involving overnight stays might be possible.	Tutor supported peer learning and student led alternatives in their local context or online are supported and broadcast	have been in the field during recording could support at set times in the morning or evening.
Students create video blogs in the field and	where feasible.	Peer to peer learning via
upload on return. Potential for peer learning with individuals or small groups following blog instructions.	Distant (from Edinburgh) trips delivered as live broadcasts 'remote field experiences', mediated by partners and/or tutors.	asynchronous student led alternatives in their local context or online, supported and broadcast where feasible.
If live broadcast is possible - remote tutoring with students in the field linked to tutors on campus.		
Distant trips could be delivered as 'remote field experiences', mediated by partners and/or tutors.		

Project work and supervision

	Students online,	Students online,
Students on-campus	same time zone	different time zone
Supervision meetings on- campus where possible; otherwise taking place in	Scheduled supervision meetings the phone	in Teams, Collaborate or on
Collaborate, Teams, phone or other as	Student peer-led meet-ups on Teams or Collaborate	
preferred.	Email and shared documents for	dratting

Email and shared documents for drafting.	Access to research skills and methods teaching in hybrid mode where possible
Research skills and methods teaching on- campus (hybrid where possible)	Curated access to open, on-demand skills and methods resources, for example relevant MOOCs and online courseware, Sage Research Methods, LinkedIn Learning
Open, on-demand skills and methods provision (e.g. MOOCs and online courseware)	
Curated resources (e.g. Sage Research Methods, LinkedIn Learning)	

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