Planning a HyFlex Teaching session

Is your subject conducive to being taught 'HyFlex'?

What you might consider	Technology considerations	Suggested 'good practice'	Further reading/delve deeper
Are you teaching a subject that may require extensive use of multiple whiteboards?	Whiteboards will likely not be adequately captured by available cameras in SU teaching rooms.		
,	Technology will unlikely be a suitable effective replacement for these activities.		

Consider the quality of the student experience

What you might consider	Technology considerations	Suggested 'good practice'	Further reading/delve deeper
Be inclusive of both f-f and online learners – their technology, accessibility of materials and opportunities for	Keep the technology simple to start with. You may need to adjust what can be undertaken depending on available technology	· ·	What platforms are best at Swansea? See: <u>Remote Lecturing</u> <u>Technology - Swansea University</u>
engagement.	Bandwidth – may limit participation in f-f situations.	that all can access e.g.	Comparison of 'Audience Responses Systems' to enable engagement - see <u>Polling</u> <u>Technology (aka Clickers) –</u>

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What you might consider	Technology considerations	Suggested 'good practice'	Further reading/delve deeper
	Device variations – may not enable full engagement, e.g. in writing for group activities. User stats at	(using Zoom Chat or Mentimeter, students online can see questions from	Swansea Academy of Learning and Teaching (NOTE: these are not core institutional tools which may have a charge and limits of participants. Staff should check accessibility) See guidance from: Columbia University. Heriot Watt University —how to combine online and in-person teaching simultaneously Are you scheduled to teach in a room that has cameras? See this webpage: centrally bookable lecture theatres.
How will students see any	Most rooms will not have cameras on attendees. Panopto will not enable online participants to be visible to those 'broadcasting' the session. Use Zoom sessions rather than Panopto (ALL f-f attendees to be connected to the session, but consider device availability/alternatives, bandwidth	You may need to attach a webcam/ use a device with inbuilt camera and 'swivel' the camera around to show f-f attendees You may have to repeat questions/contributions and/or ask f-f students to summarise in chat for online participants.	

Wł	nat you might consider	Technology considerations	Suggested 'good practice'	Further reading/delve deeper
•	How will students hear one another's contributions/questions? Will technology enable online students to e.g. share screens for presentations?	and power supply limitations noted above)		

Maintain a teaching presence

What you might consider	Technology considerations	Suggested 'good practice'	Further reading/delve deeper
What support do you need to	Do you need to capture the	Having a view of you the	Contact AV Services - Swansea
prepare? What is your back up	whiteboard output? Most room	lecturer as well as the learning	University for advice, email:
plan in the event of technical	cameras will not and most 'mobile'	materials is best. Note: Some	AVsupport@swansea.ac.uk
issues?	camera will not capture at high	teaching rooms will only have	
	enough resolution.	one output – usually your	Are you scheduled to teach in a
When recording the session, you		shared screen.	room that has cameras? See this
may need to stand in a specific	Do you know how to use the		webpage for details: centrally
place, wear a microphone.	document cameras?	Follow-up message via Canvas	bookable lecture theatres.
		to the remote students if	
Is it necessary for online learners	Will a camera attached to your	technology fails. Plan alternate	
to see the instructor?	device be sufficient to promote	activities to be undertaken	Book equipment at least 2 days in
	belonging with online students?	online asynchronously.	advance via Media Resources'
Communicating what to do in			online booking system: Swansea
case of tech failure at start of	Is there a microphone? (Note: if you		University - connect2. However
each session/on VLE	use your own device, you will also		cameras available via AV Services
	be relying on your device		are currently not capable of

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	microphone. Audio output will not be connected to the university systems to capture this on a recording)		capturing output at a sufficiently high resolution.
What technology does your teaching space have to support HyFlex? If possible, know the space and familiarize yourself with the technology beforehand		Enlist a student/colleague to help test what it is like to be an in-person and online participant	
Allow yourself more time for set up/close down			

Select appropriate learning activities

What you might consider	Technology considerations	Suggested 'good practice'	Further reading/delve deeper
Consider the learning activity	How will you distribute the shared	Sharing materials via Canvas –	See <u>How to Prepare for the Next</u>
types - why you are doing these,		Word format is recommended	
where they occur (environment),	,	for screen readers etc.	teachonline.ca
what tools are needed to			
support it and any alternatives.		Zoom is the preferred	Slides: https://teachonline.ca/sites/
		platform over Panopto for	default/files/webinar-
Use activities that will both face		interactivity and/or groupwork	series/slides/how to prepare for
to face and online students will		purposes.	the next phase of hybrid teachin
be able to do/engage with.			g.pdf
		Most teaching rooms	
		have document cameras	

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Consider if you will do group		which could be used in place	Be 'space Agnostic' – see University
work. Do you want f-f and online		of a whiteboard– and capture	of Sydney blogpost.
learners as separate groups, or if		writing/annotations 'live'	
you want to 'mix' attendees?		which can be saved and	Some sample session plans: from
		uploaded to your Canvas	Kevin Kelly at San Francisco State
When is it most effective to		course	University
teach the whole cohort online			https://docs.google.com/document
rather than offer HyFlex?			/d/1gokdIjWbfERADiswlUBL4hE81h
			EnNiEYmBzRUeDfUdk/edit#heading
			=h.uemmrqypk4zd
			Depending on your discipline,
			consider paired work e.g.
			programming: <u>Alex et al. 2021</u> .
			Other suggested activities via Kings'
			College London and also via UWE:
			https://fetliu.net/blog/an-
			introduction-to-hybrid-teaching/
Is it possible to teach the topic	If available, using the document		
using a HyFlex approach?	camera in the teaching rooms is		
	advised to broadcast (and capture)		
(It may be less effective for	your 'live' writing.		
traditional laboratory sessions or			
those that require	You might be able to use		
demonstration of hands-on	simulations for specific topics, but		
activities for remote learners.)	the nature of your subject may		
	require actual handling of objects		
	etc which simulations will not		
	achieve.		

Do less in your sessions – prioritise

What you might consider	Technology considerations	Suggested 'good practice'	Further reading/delve deeper
Consider the intended learning outcome - what are the high value items that may impact assessments?			See webinar recording from Cohn (2021)
Know your content well (it is harder to teach in HyFlex mode with new material/courses as there are more things to think about and consider).			

Know your classroom and set-up early

What you might consider	Technology considerations	Suggested 'good practice'	Further reading/delve deeper
What technology does your teaching space have to support HyFlex?		Enlist a student/colleague to help test what it is like to be an in-person and online participant	
If possible, know the space and familiarize yourself with the technology beforehand		participant	
Allow yourself more time for set up/close down			

Communicating what to do in case of tech failure at start of each session/on VLE	Follow-up message via Canvas to the remote students
	Recording of any key instructions and posting afterwards to VLE
	Alternate activities to be undertaken online

Arrange support for your delivery

What you might consider	Technology considerations	Suggested 'good practice'	Further reading/delve deeper
What are your options? More		You might appoint students as	See blogpost from Martin Compton
staff? PhD student, Tutor, TA, or		champions of monitoring the	on the potential role and
appoint students to monitor		chat/summarising questions?	responsibilities of a co-pilot in this
chat, for example?		(Providing	scenario.
		guidelines/expectations may	
Decide roles beforehand-who is		be helpful beforehand)	
testing the set-up, supporting			
the learning (e.g. monitoring		Set expectations of how chat	
online chat and question		will operate beforehand, with	
responses, launching and		ability to 'stop' chat if	
monitoring breakout rooms (if		necessary.	
used), technical difficulties etc.			
How will you communicate with			
each other?)			

Delivering a HyFlex Teaching session

Have a balance of students engaging across methods

What you might consider	Technology considerations	Suggested 'good practice'	Further reading/delving more deeply
Encourage student attendance face to face as a priority.		If not all students can attend, then having a good proportion of the expected class numbers online as well as face to face maximises the benefits of the technology. (Ideally roughly equal numbers of in-person attendees as online).	

Be positive about the approach

What you might consider	Technology considerations	Suggested 'good practice'	Further reading/delving more deeply
You may be anxious but be open with students and try to be positive - students will be more inclined to 'join' with you on this			See blogpost by <u>Laura Patricia</u> <u>Zepeda Orantes</u>
journey.			

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Communicate and Manage Student Expectations

What you might consider	Technology considerations	Suggested 'good practice'	Further reading/delving more deeply
personal accounts to connect to the session	Set up the session to record - you may need to stand in a specific place in the teaching space, wear a microphone	Follow-up message via Canvas to the remote students Recording of any key instructions and posting	Immediate action, e.g. equipment breakdown – phone 01792 604000 or Ext 4000. Non-urgent enquiries and fault-
 set expectations, explain what your approach will be, the structure of the session, 		afterwards to VLE Alternate activities to be undertaken online	reporting, email: <u>AVsupport@swansea.ac.uk</u> See blog from Newcastle
 keeping to the timing of group activities how to communicate and 			University: https://blogs.ncl.ac.uk/fmstel/2021/09/07/the-hyflex-teaching-model/
engage, tech requirements – including bringing and using their own devices and muting mics within the	Allow time to mute mics during main teaching.		Also reflections by Alex B et al 'Ten things we Learning about Fusion Teaching'
teaching space; Communicating what to do in case of tech failure at star of each session/on VLE	Use of Chat/nonverbal approaches to communicate.	Set expectations of how chat will operate beforehand, with ability to 'stop' chat if	
 what your back up plan is in the event of technical issues requests made in class for amendments to e.g. assignment deadlines - this 		necessary.	

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What you might consider	Technology considerations	Suggested 'good practice'	Further reading/delving more deeply
may not be technically possible in the Canvas VLE for online learners.			See blogpost by <u>Laura Patricia</u> <u>Zepeda Orantes</u> - she calls this 'the butterfly effect'

Promote interaction, community and belonging

What you might consider	Technology considerations	Suggested 'good practice'	Further reading/delving more deeply
Don't deliver a class where remote or on in-person students are simply just observing you teach the other group.	See Planning a HyFlex Teaching session regarding appropriate learning activities and quality of student experience for things to consider		See blog from Newcastle University:https://blogs.ncl.ac.uk/fmstel/2021/09/07/the-hyflex-teaching-model/
Use simple engagement approaches regularly through the teaching session		Engagement approaches -e.g. Kahoot/Mentimeter/Zoom chat/reactions. Looking at the camera will have the effect of giving eye contact to remote students as well as in –person students	
All students, remote and in- person, are recommended to	There may be bandwidth issue for in-person students.		

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What you might consider	Technology considerations	Suggested 'good practice'	Further reading/delving more deeply
'connect' e.g. via Zoom to engage			
Connect by using names (all students if possible), and remote students having video on.	Face to face students should mute microphones to prevent feedback. If verbal interaction is needed with remote attendees, inperson students may need headsets/headphones.		
	Do rooms have enough power points?		
Connect the in-person and remote students in activities if possible, especially in smaller class sizes			Be 'space Agnostic' – see University of Sydney blogpost.
Try to stick to group work timings so they all know what to expect			
Involve students in monitoring chat, answering questions, feeding back, paraphrasing, etc.		Set expectations of how chat will operate beforehand, with ability to 'stop' chat if necessary.	See some possible solutions from Martin Compton at UCL.

Do less in your sessions – prioritize content and learning

What you might consider	Technology considerations	Suggested 'good practice'	Further reading/delving more deeply
Consider the intended learning outcome -what are the high value items that may impact assessments?			See webinar recording from Cohn (2021)
Know your content well (it is harder to teach in HyFlex mode with new material/courses as there are more things to think about and consider).			
Allow yourself more time for set up/close the devices used.			
Reinforce key points		Repeat and summarise more often	
		Check for understanding and how the students are doing (e.g. use of polls/quizzes - note accessible to all learners)	
Don't be afraid to pause and give yourself some breathing time.			See webinar recording from Cohn (2021) for a practical example of specific Chat breaks

Create Connection in your session

What you might consider	Technology considerations	Suggested 'good practice'	Further reading/delving more deeply
How will students be able to hear (and see) you and other students? Some may not have webcams. Ideally remote students should be able to see on campus students - helps build community and develop equity of experienc How will students see any visual presentations (by you or each other)?		You may wish to turn your camera round periodically to 'show' the "in person" students If session set up as Zoom, enable screen sharing for students needing to present — in person or teleconference	Thomas Groll at Columbia University gives useful tips VOICES Thomas Groll on Hybrid/HyFlex Teaching Voices of Online Teaching and Learning See also tips from UCLshttps://www.ucl.ac.uk/teaching Learning/publications/2021/sep/basic-hybrid-teaching Centre for Teaching and Learning at Oxford: https://www.ctl.ox.ac.uk/hybrid-teaching#/
Include virtual office hours for in-person and remote students			

Ongoing Reflection

What you might consider	Technology considerations	Suggested 'good practice'	Further reading/delving more deeply
Use this as a learning opportunity for yourself and students, be open about the experience		You can use polls and other tools, e.g. Mentimeter or AnswerGarden to gather feedback from all students	
Gather feedback throughout the session, your course and at the end			