

APPENDIX 8. MIXED COHORT LEARNING

Mixed Cohort Learning (MCL) has been created in response to the pandemic; the need to adapt modes of teaching to support students regardless of their physical location.

It aligns with our strategic commitment to increasing the flexibility of our education delivery as part of our Education Pillar Plan under *Future Making* and is informed by the LTSTV. The MCL Steering Group, chaired by the PVC Student Learning, includes the Director Learning Enhancement and Innovation (LEI), academics, ITDS and Infrastructure staff.

MCL enables delivery of classes in which some students attend face-to-face, and others online, simultaneously. The intention is to enable the on-line students to be integral to the class and actively engage with the educator and students in the physical classroom. A student-centred and ‘pedagogy first’ approach was applied to the creation of MCL teaching and spaces.

Two types of MCL space have been established at the University.

Mixed Cohort Learning version 1 (MCL v1)

In an MCL v1 class, teaching staff engage with students in a tutorial format with active discussion, with either the tutor or individual students taking turns as the primary speaker in the class. Students in both the physical and online environments can see the primary physical presentation space, and hear one another during the class discussion through ceiling-mounted microphones and speakers.

Owing to the single presenter format the class capacity can be scaled up to relatively large class sizes and initially has been applied to flat floor teaching spaces with class sizes that vary from 30 – 120 capacity. Example spaces include Nexus10 704 and Engineering Maths G06.

During 2021 the planned digital refresh to classrooms has included additional audio enhancements to enable MCL. By semester 1, 2022, 30 classrooms at North Terrace campus and 4 classrooms at each of the Waite and Roseworthy campuses will enable MCL v1 activities. Refer *Table 2+3*.

Infrastructure will continue to coordinate the digital uplift with ITDS and LEI to create more MCL v1 rooms into the future.

Mixed Cohort Learning version 2 (MCL v2)

During 2021 a Mixed Cohort Learning v2 pilot was established to facilitate active learning in

CAMPUS BUILDING ROOM SPACE DEPT CONTROL ROOM CAPACITY FLOOR AREA

Existing MCL v1 rooms (August 2021)

NT	Badger	LG17	flat floor	CTA	48	70
NT	Braggs	425	collab class	CTA	20	28
NT	Braggs	427	collab class	CTA	16	21
NT	Eng Maths	G06	collab class	CTA	42	65
NT	Eng Maths	G07	collab class	CTA	42	65
NT	Hughes	322	collab class	CTA	25	98
NT	Hughes	323	collab class	CTA	25	104
NT	Ligertwood	504	collab class	Prof	36	81
NT	Ligertwood	505	collab class	Prof	33	80
NT	Ligertwood	515	collab class	Prof	18	53
NT	Marjoribanks	126	collab theatre	CTA	60	154
NT	Marjoribanks	128	collab class	CTA	35	73
NT	Napier	LG23	collab class	CTA	32	62
NT	Napier	LG24	collab class	CTA	50	82
NT	Nexus10	704	collab class	Prof	24	68
NT	Nexus11	705	collab class	Prof	24	67
NT	Nexus12	706	collab class	Prof	36	93
NT	Schulz	308	collab class	CTA	25	64
RW	Williams	G31a	flat floor	CTA	27	64
RW	Williams	G31b	flat floor	CTA	27	74
RW	Williams	G31a & b	flat floor	CTA	54	138

Table 2. Mixed Cohort Learning version 1 (MCL v1)

mixed-cohorts of face-to-face and online learners, using group-based and collaborative approaches. A tailored digital uplift was applied to two existing collaborative classrooms, Hughes 322³ and 323⁴, for up to 30 students. The pilot will allow us to apply lessons learned to the design of future learning spaces at the University.

³ <https://www.youtube.com/watch?v=w8mhc6YLOc8>

⁴ <https://www.youtube.com/watch?v=zhrv7mbLVE>

The MCL v2 classrooms have been set up in pods (group of 5 at each pod), so that remote students are effectively sitting at the table with face-to-face peers; their faces displayed as normal size on the screen at the end of the pod. Technology includes primary room camera and microphones; plus multiple group 'pods' with separate cameras and microphones.

Training, support and guidance is being provided during the pilot by the LEI team for teaching staff to become comfortable in engaging the remote students in the normal tutorial and for tutors to become skilled in these processes, so they can be embedded into normal practice.

The pilot went live for semester 2, 2021 and the evaluation is due in January 2022, to inform future potential MCL v2 spaces. Subject to evaluation, the current rooms may require technology or furniture adjustments and be reassessed. Demand for this specialist space will also be tested to inform the development of further MCL v2 spaces.

CAMPUS	BUILDING	ROOM	SPACE TYPE	DEPT CONTROL	ROOM CAPACITY	FLOOR AREA
--------	----------	------	------------	--------------	---------------	------------

MCL v1 Rooms committed to complete by Dec 2021

NT	Eng maths	205	collab class	CTA	150	278
NT	Eng maths	212	collab class	CTA	20	56
NT	Eng maths	213	collab class	CTA	20	53
NT	Eng maths	218	collab class	CTA	30	63
NT	Nexus10	102	collab class	CTA	36	62
NT	Nexus10	601	collab class	Prof	24	60
NT	Nexus10	701	collab class	Prof	30	81
NT	Nexus10	703	collab class	Prof	30	82

MCL v1 Committed for delivery S1, 2022

NT	Helen Mayo South	SG20	collab class	CTA	120	360
WT	Charles Hawker	G22	collab class	CTA	60	135
WT	Charles Hawker	101	collab class	CTA	60	122
WT	Charles Hawker	102	collab class	CTA	30	68
WT	Charles Hawker	109	collab class	CTA	18	41
WT	Charles Hawker	101/102	collab class	CTA	90	190
RW	Callaghan	G18a	collab class	CTA	50	90
RW	Callaghan	G18b	collab class	CTA	50	90
RW	Callaghan	G18a/b	collab class	CTA	100	180

Table 3. Spaces committed for Mixed Cohort Learning spaces

CAMPUS	BUILDING	ROOM	SPACE TYPE	DEPT CONTROL	MCL ROOM CAPACITY*	CURRENT CAPACITY	FLOOR AREA
--------	----------	------	------------	--------------	--------------------	------------------	------------

Existing MCL v2 rooms (August 2021)

NT	Hughes	322	collab class	CTA	25		98
NT	Hughes	323	collab class	CTA	25		104

Potential future MCL v2:

existing high quality collaborative class with group based monitors. Demand to be confirmed. *Note MCLC mode capacity to be reviewed (min 25 in class).

NT	Barr Smith South	2052	collab class	CTA	25	42	96
NT	Barr Smith South	2051	collab class	CTA	25	56	144
NT	Barr Smith South	1062	collab class	CTA	25	70	168
NT	Barr Smith South	1063	collab class	CTA	25	70	187
NT	Ingkarni Wardli	B17	collab class	CTA	25	56	136
NT	Nexus10	UB36	collab class	CTA	25	48	92
NT	Nexus10	UB40	collab class	CTA	25	48	86
NT	Nexus10	UB34	collab class	CTA	25	54	105
NT	Nexus10	UB35	collab class	CTA	25	54	103

Table 4. Mixed Cohort Learning version 2 (MCL v2)