

James McCune Smith Learning Hub

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**WORLD
CHANGING
GLASGOW**

- Our **£1b+** programme of expansion and development is one of the most significant of a UK university city campus for over a century.

1

1: James McCune Smith Learning and Teaching Hub

2: Clarice Pears Institute of Health and Wellbeing

3: Advanced Research Centre

4: Postgraduate Teaching Hub and Adam Smith Business School

2

3

4

Artists impression of the new West



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The Future Campus

Physical Estate

- Accessible, flexible, multi-use facilities
- Blurring of boundaries of space use i.e. fewer specialist spaces
- Virtually enabled – tech light but capability heavy
- Energy Efficient

Digital Estate

- Robust underpinning infrastructure, connectivity and scalable capacity
- Systems and applications architecture to enable business data
- Focus on user experience (understanding and enablement)
- Use of digital to transform the physical





Educational Vision

The development of our **physical estate** must support our educational vision to provide..

“...a learning culture that places teaching at the centre of what we do. Our learning and teaching shapes and is shaped by our research rich environment. Our motivated, vibrant, diverse community of learners and teachers to work in partnership to develop independent, skilled and highly valued graduates with the confidence to make positive change in society..”



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An opportunity....

...not only to reshape our physical campus.....

....but to rethink the way we support learning, developing new teaching spaces and retro-fitting existing (sometimes very old) rooms to support new forms of learning and teaching.....

...and to re-develop student study spaces to support blended and online learning on campus.





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The classroom of today





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The classroom of the
14th century



Changing Student Cohorts

- More diverse group than ever before with more varied support needs
- Typically in larger classes than in the past
- Often with other work and family commitments
- Some have a more consumerist view of education
- They are not all "digital natives". They have less understanding of how technology works than students of twenty years ago. Basically, they are technology users.



Image source:

<https://www.timeshighereducation.com/blog/keeping-doors-open-international-students>



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Communication and information provision has transformed....



TED Ideas worth spreading



iTunes U



(Source: <https://pxhere.com/en/photo/1063277>)



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Fundamental questions...

- How should teaching practices be evolving in light of evidence of effectiveness, student needs and expectations, practices at peer institutions and our own ambitions?
- What opportunity does designing a new building offer in relation to learning and teaching spaces?
- How do we prepare for and support substantial changes in practice?
- How would we want to evolve the teaching model in terms of staffing?



No architects allowed...initially

Developing Shared Languages and Understanding – to Address those Fundamental Questions

I know what a BIM diagram is; Estates team know what pedagogy¹ is!

Challenge to, and from, the architects, HLM

Engagement then partnering with the manufacturer, Steelcase



Student & staff involvement in design & delivery board and ongoing workshops

Evidence and practice globally

Shared learning from pilot spaces

¹In case you didn't want to ask – it's the theory and practice of education









- 1. Evidence for transmission
- 2. Spellings and sounds
- 3. An outline history of English spelling
- 4. Phonemicisation (and its implications)
- 5. On sound-change

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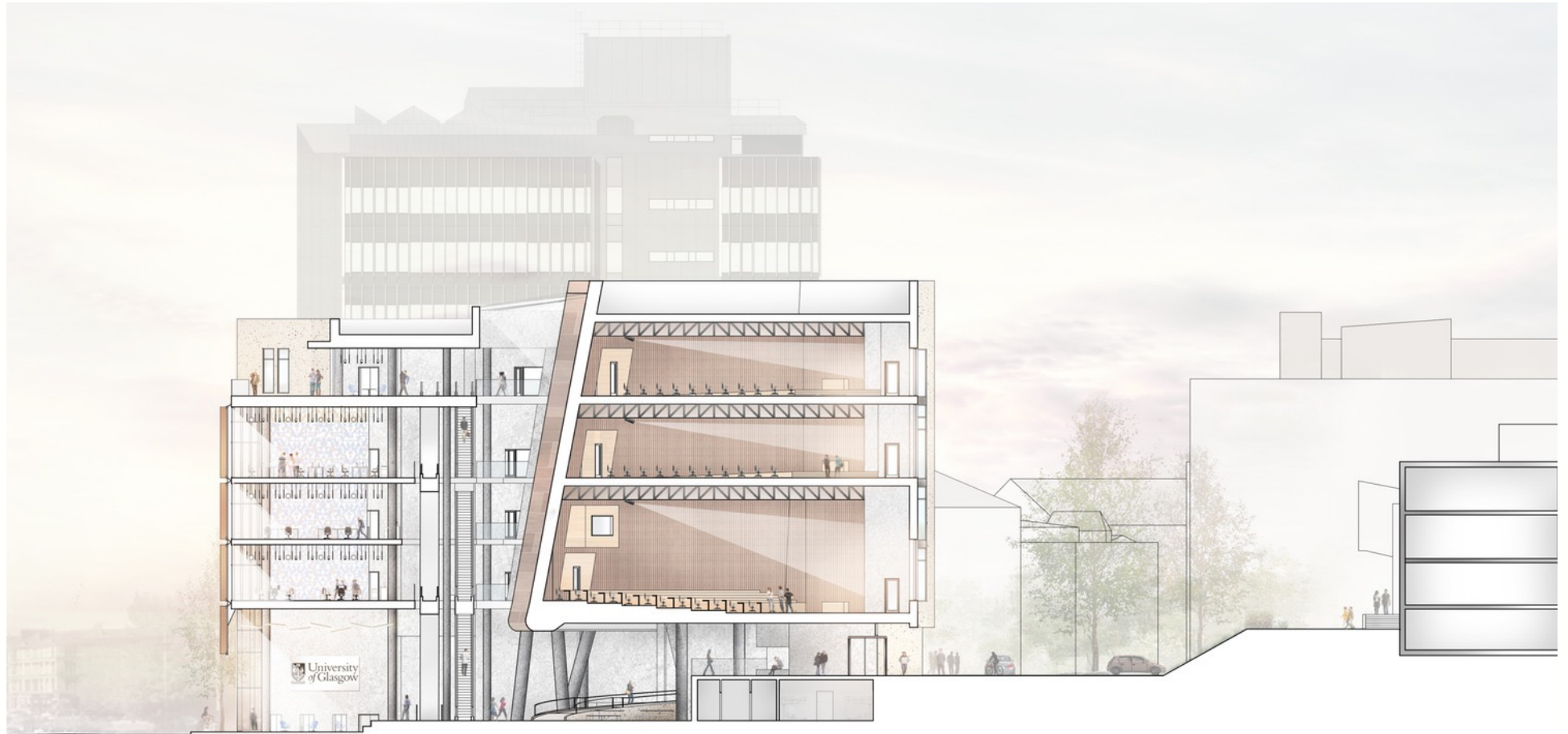
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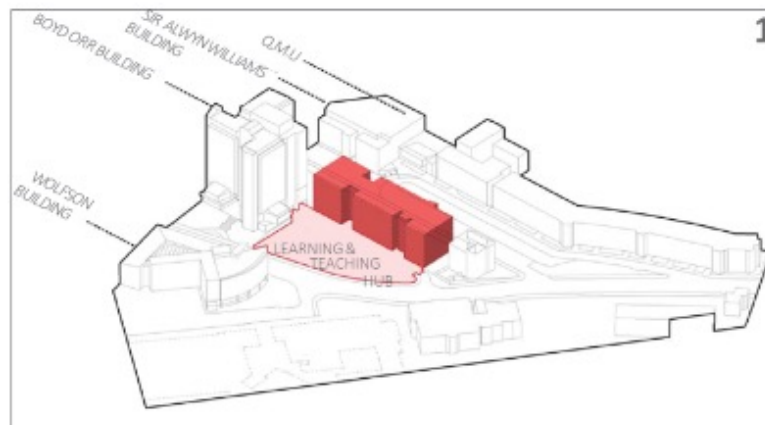
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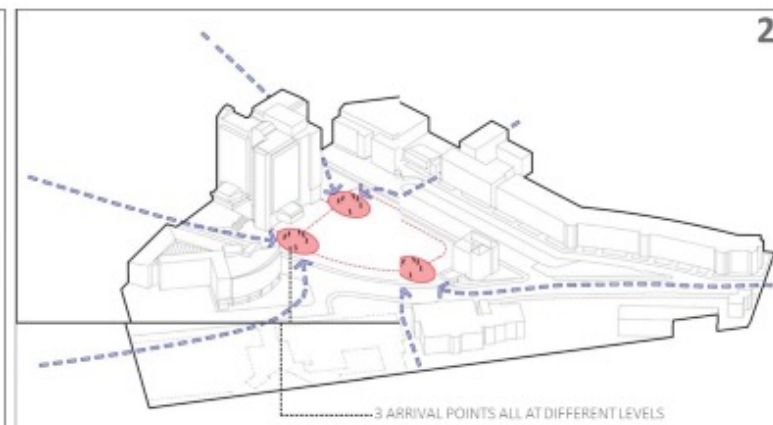
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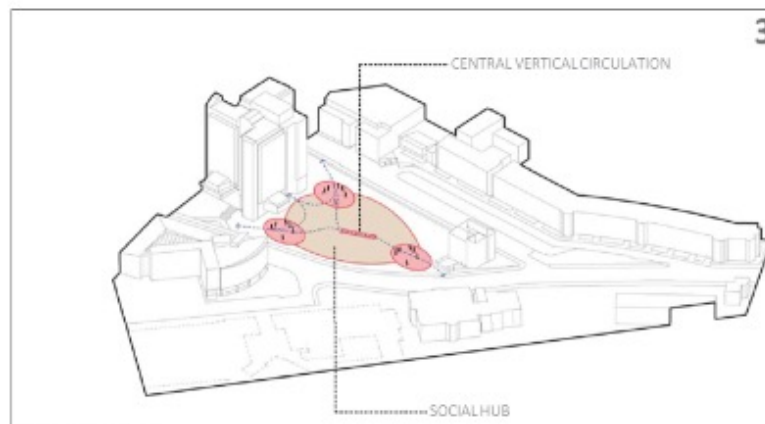




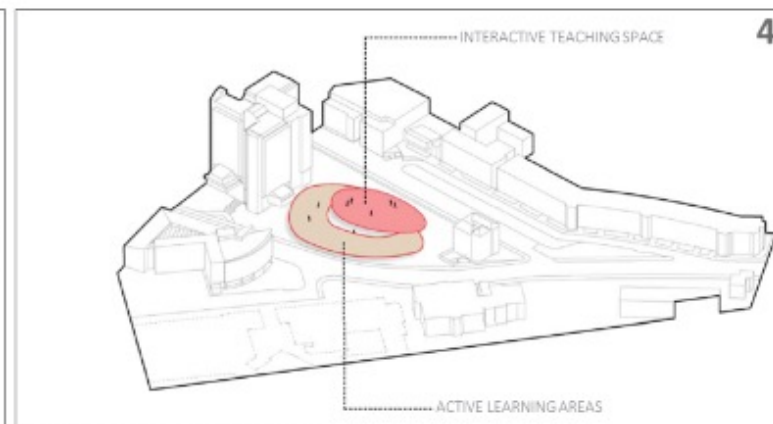
Site Location



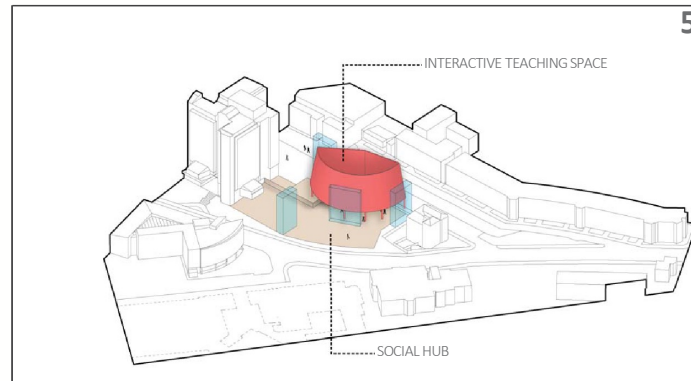
Arrival Points



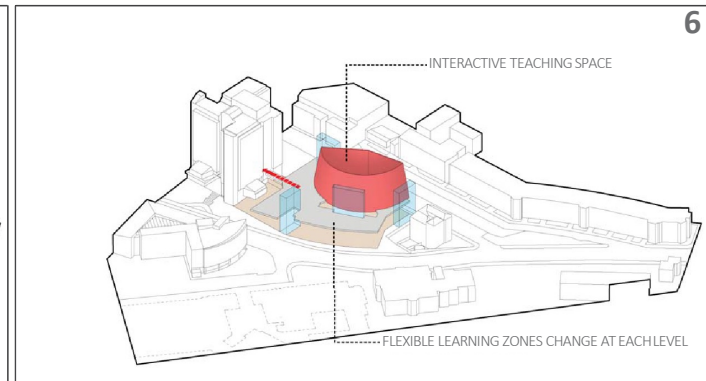
Vertical Circulation



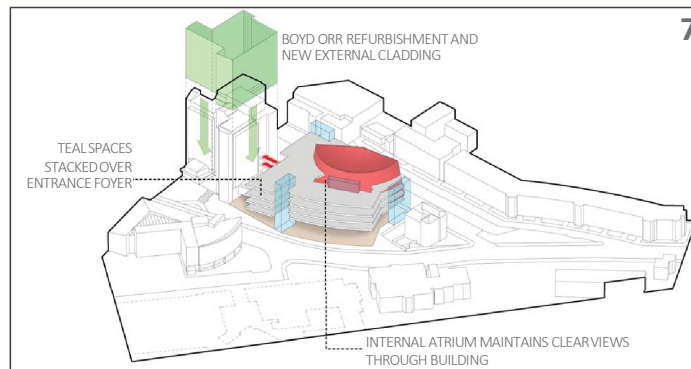
Concept of Learning and Teaching Spaces



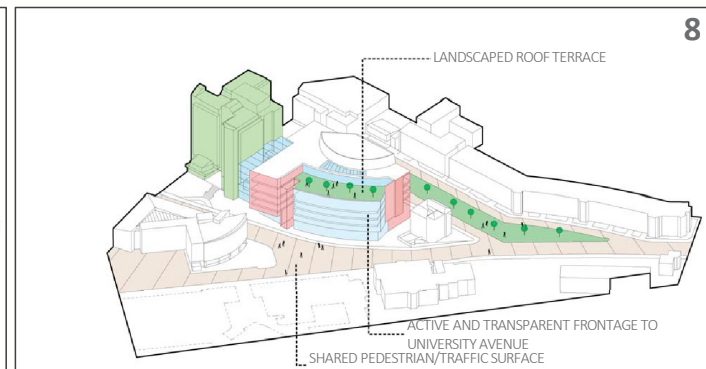
Location of Interactive Teaching Space



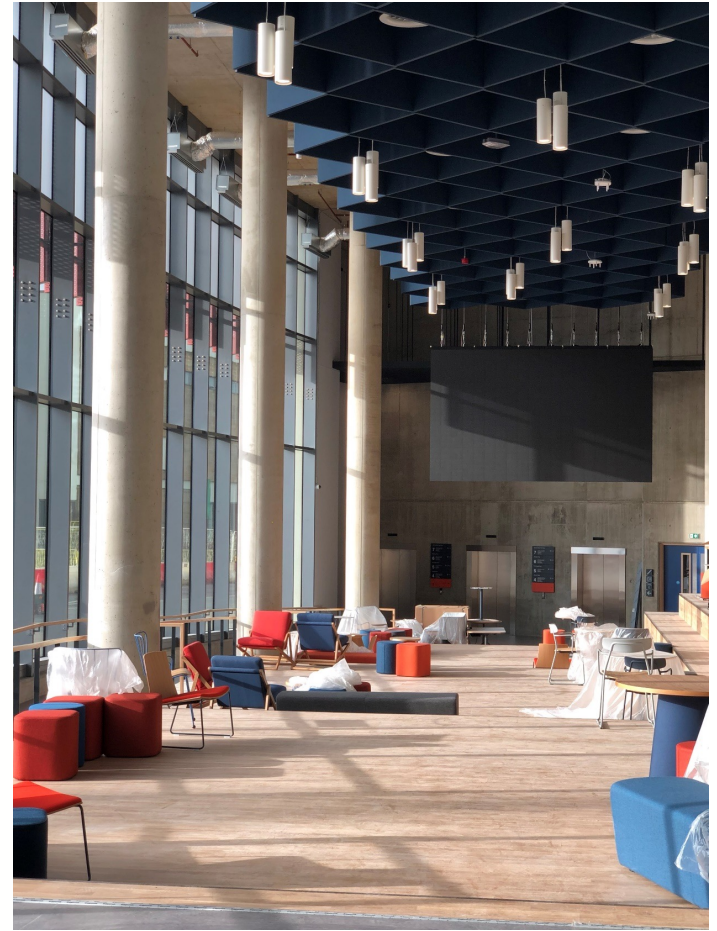
Location of Flexible Learning Spaces



Location of TEAL Spaces



Landscaping and Integration with Campus



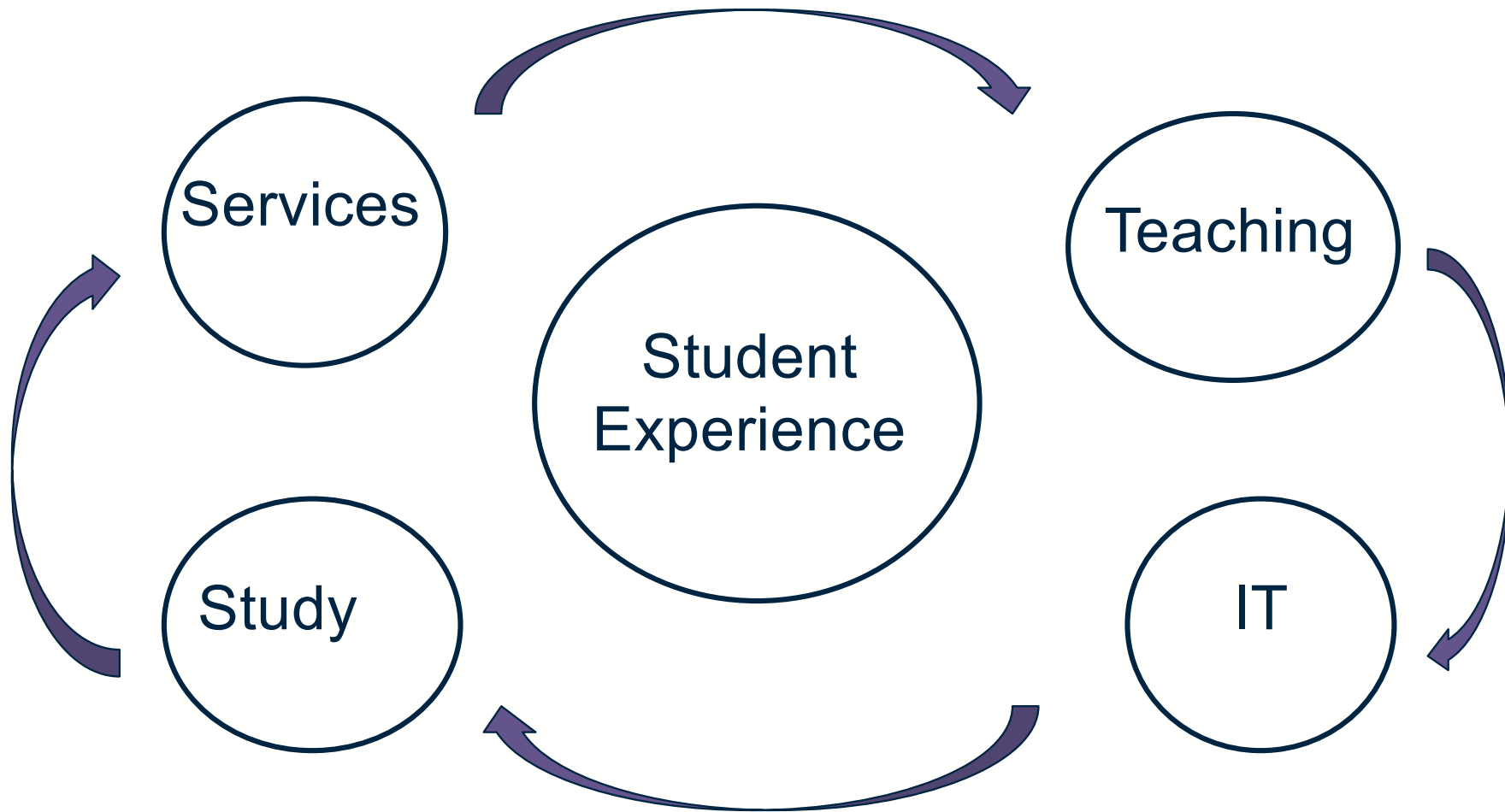


Principles for Designing Teaching & Learning Spaces

- Academic challenge: Facilitate active learning and staff student interactions.
- Learning with peers: Learning spaces should provide features that support students to work individually and in collaboration with one another moving easily from one mode of interaction to another.
- Accessibility and inclusivity: The learning, teaching and study environment must be accessible and inclusive in all respects.
- Campus environment: Ensure consistency and coherence of experience and interaction across all campus spaces

These principles have been inspired by those adopted at McGill, and adapted to the University of Glasgow.

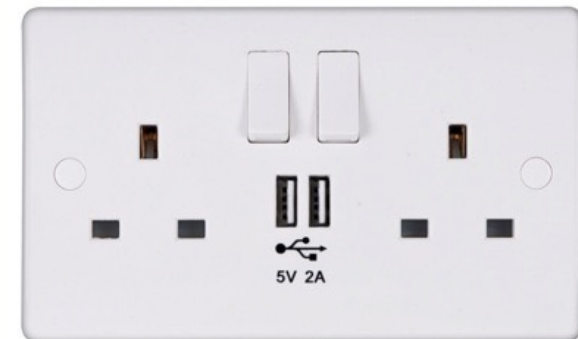
What we learnt – we're creating an ecosystem.

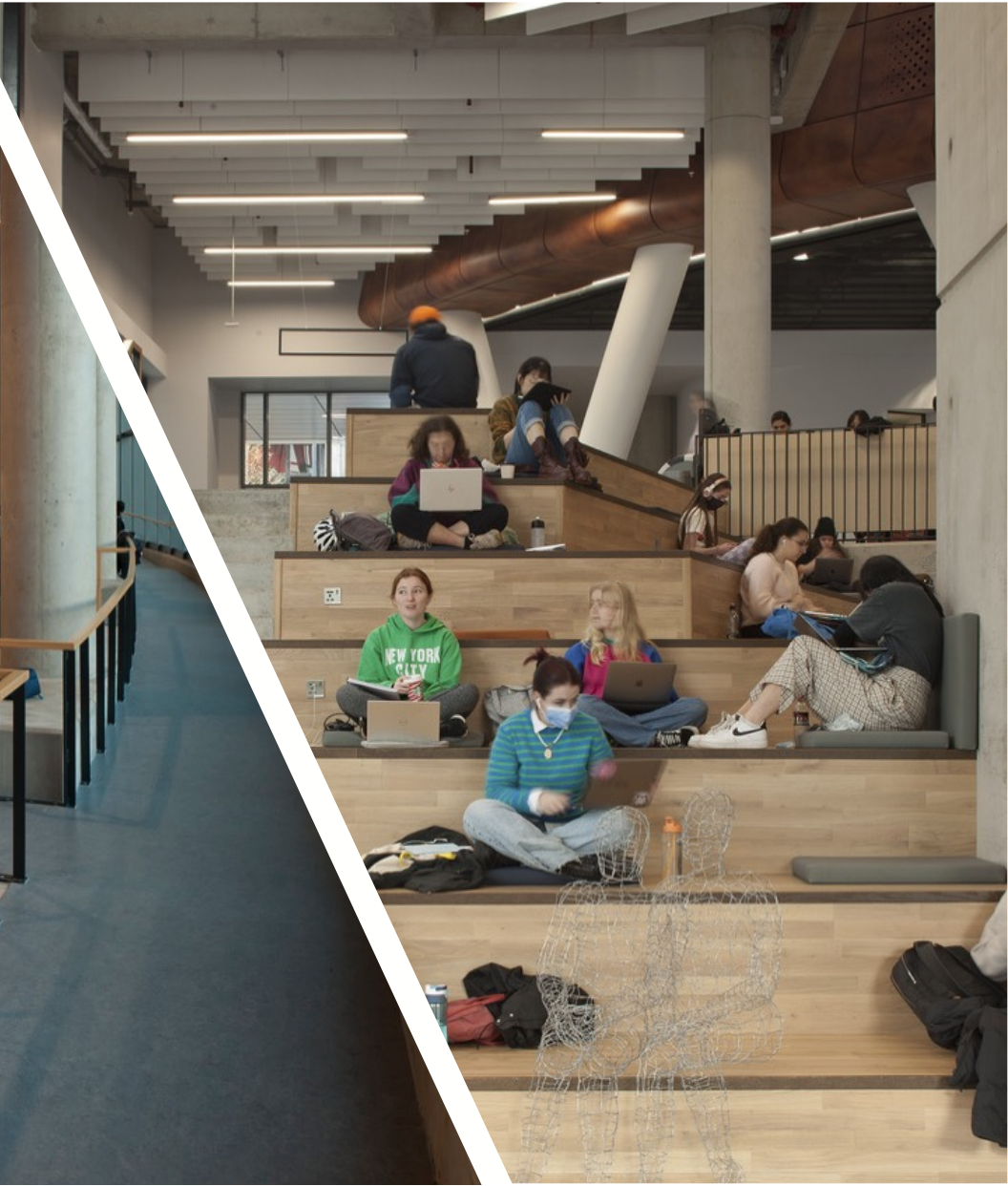




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...coffee & other stuff...









Key considerations when working in/with Higher Education providers

- Vision and aspiration isn't enough ... This is about cultural change, not 'just' design of spaces – against decades of tradition.
- Clients may never have had the opportunity to think about doing things differently before and need time to reconceptualize their practice. Not everyone will want to.
- Major change in large-scale organisations requires lots of coordinated, devolved decision making and change.
- Working collaboratively across academic-service communities (rather than in silos).
- Building projects don't work like committees – we're used to committees, consensus building, and iterative decision making processes.
- Involvement of, and partnership with, students is key and has to be meaningful not tokenistic. But remember, students may not be here when new projects are realized.
- Physical and educational disruption alongside pressures on student satisfaction.
- The project sponsor is absolutely crucial to success.

Rm 743 – cap.154 Lecture Theatre

- Dual Projection
- Visualiser
- Writing Surface incorporated into lectern/desk
- Microphones – tie-clip / lectern
- Ceiling mounted speakers
- Infrared hearing assistance
- 8-button AV control with rotary volume
- AV equipment in lectern
- Lecture capture

