Adapting how we learn?

Professor Margaret Sheil AO
Vice-Chancellor and President
Adapting how we teach or support learning?

- Digital natives?
- Expectations of students and stakeholders
- Impact of technology-recent history of MOOCS and beyond
- Some key areas for learning
  - Learning builds on experience and prior learning
  - Use of data-feedback
  - Learning design
  - Accessibility-on and off campus
Should we fail to radically change our approach to education the same cohort we’re attempting “to protect” could find their entire future is scuttled by our timidity ((Putnam 2012))

Sir Michael Barber 2013
Massive Open OnLine Courses (MOOCS)
Amara’s Law 2012

How Tech Impact Develops

Human Expectations

Overestimate

Underestimate

Technology Impact

Time
A new industry: predicting the future of higher education
Randwick Ritz

Released December 24 1981
Efficiency Myth

Student Learning

High

Office hours

Large lecture hall

MOOCs

New frontier

Old frontier

Low

Faculty Productivity

High

Christian Terwiesch

decrease costs

improve learning
• online pedagogy
• new media production
• students’ online learning behaviour
• learning analytics & evaluation methods
Feedback—vital for learning effectiveness

- for teachers: rapid improvement and adaptation
- for students: guiding learning
- for leaders and stakeholders: broad assurance of outcomes
Data Analytics

**Learning Analytics** is the measurement, collection, analysis and reporting of data about learners and their contexts for the purposes of understanding and optimizing learning, and the environments in which it occurs.

Learning Analytics  Learners, Educators, Teachers

**Academic Analytics** is the improvement of organizational processes, workflows, resource allocation, and institutional measurement through the use of learner, academic, and institutional data.

Academic Analytics  Managers, Administrators, Funders
ONLINE COURSE

Social Media Analytics: Using Data to Understand Public Conversations

How can you discover what's being said about the things that matter to you on social media platforms, including Twitter?
QUT-Future Learn-Online Learning Solutions

• Since 358,000 learners in QUT Future Learn Courses
• Education Faculty has a fully online suite of Continuing Professional Development Modules
  • free tasters to modules packaged into Graduate Certificates
  • 24,000 learners in 150 countries
• Robot Academy-launched May 2017 has 36,000 learners across 89 countries-dedicated videos by country
Broad empirical support for the effectiveness of: “active” learning

- activities that bridge learning and practice
- activities requiring student-student interactions
Learning Design around technology

Learning experiences need to be:
• well designed
• effective
• creative and innovative
Creative Learning Design

- LLB 344 Intellectual Property Law
- Students learn from and contribute to the Australian IP Law Open Text Book
- Wiki style contributions and embedding of 3-4 minute video assessments
- Deeper engagement with content through creation
- Facilitates Communications Skills
- Technology facilitates connections between the students
Amara’s Law 2018
Within the sector overall, to what extent do you agree that online degrees will be more popular than physical degrees by 2030?

- Strongly disagree
- Disagree
- Neither agree nor disagree
- Agree
- Strongly agree

Times Higher Education International Survey 2017
Expanding our reach QUT Online
New Partnerships

External Provider
University

Student Lifecycle
QUT eSports Arena taps into $1 billion industry
AARON BOLOT

Aaron Bolot explored various Modernist styles from the 1930s to the 1960s.

Bolot’s education came, not from first hand encounters overseas with the great European designers and buildings, but study and practice in Australia. He emigrated with his family from the Crimea in 1911 as a boy and studied architecture at the Brisbane Central Technical College from 1919 to 1926, receiving the Queensland Institute of Architects Gold Medal for excellence.

Bolot moved to Sydney in the 1930s and worked with Walter Burley Griffin, the designer of the first plan for Canberra and houses at Castlecrag. Bolot designed several theatres and cinemas in New South Wales through the latter part of the decade but was known particularly for his modern fels. The ‘Ashdown’ in Elizabeth Bay was built in 1938 of reinforced