Just-In-Time Learning for Library Research Skills

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Challenges

• Traditional “Library Lecture” inflexible.
• Mixed level of library research skills.
• Post-graduate & capstone research projects.
• Multiple engineering disciplines.
• English second language for many.

Alignment

• Melbourne’s Scholarly Information Future
• eLearning Strategy
• Scholarly Literacy Framework
Design Principles

– Pedagogy
– Engagement
– On-demand
Pedagogy:

• Structure for Learning
  – Standard Online learning pedagogy
    • Explain, demonstrate, apply
    • ‘Chunk’ size
    • Expected time to complete
    • Self paced
    • Self assessment
  – Student input
Engagement:

- Student voice
  - We asked a few postgraduate students, ‘What do you wish you’d known about the library when starting your research?’
  - Engineering students talking to Engineering students about what they think is important
  - A visible presence
• Bibliographic Software
• Advanced Tips & Tricks
• Filter bubbles, citation maps, alerts...
Engagement:
• “Your research”
• Videos and interactivity
  – TED talks
  – ‘Library minute’
  – Captivate interactive videos
  – Quizzes with feedback
• Engineering-focused images
Accessibility

- Anywhere.
- Anytime.

Future directions:
- Multiple devices
- Other disciplines

“South Lawn Reflection” by Andrea Hurt. 31 March, 2015 https://www.facebook.com/unilibrary/photos/pb.154704304544775.-2207520000.1430268694./1060934333921763/?type=3&theater
What do the students think?

- **Initial survey (2013)**
  - General availability to research students
  - Comments reshaped the resource

- **Pilot (2015)**
  - 12 selected research students
  - In their first year of research
  - Anonymous survey
Summary

• Structure is important
• Platform influences
• Underpinning pedagogy
• Engagement
• Student voice
  – Topics
  – Presence
  – Feedback
• Anywhere, anytime
Videos
• Mahdi Pourdanial
• Olga Mikhaylovna
• Graeme Gange

Programming
• Grady Fitzpatrick

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