Engaging with Engineers and Scientists

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Experiences of developing e-learning resources
Two examples …
Issues for managing future projects
How to meet the challenges and opportunities
The University of Bath Library has developed a variety of e-learning resources, including:

- Instructional videos
- Materials for use within our learning management system (MOODLE)
- Interactive learning courses

- Stand alone, classroom, blended learning and MOOCS
Why you read scientific literature depends on who you are and your purpose.

Understanding the standards of research papers, or the conventions by which they are written, is fundamental to your training as a practitioner within your discipline.
Developed from 2008/09. First used in 2010

How we did it

- Open Source authoring package eXe Learning
- Author to write content and script
- Librarians produced content
- Contributions from academics and students

Outcomes

- Product for classroom and self-directed learning
- Experience and expertise developed in library
- Awareness of library and academic skills support
- Impetus in terms of academic writing and referencing/reference management

Problems and challenges

Academic Writing Skills

This module takes 80-90 minutes to complete. It can be completed in stages so that you do not have to finish it in one go. When you’ve worked through the module you should be better able to:

1. Match your writing to an assignment's context.
2. Describe the structure of a practical report.
3. Compose practical report.
4. Write abstracts, introductions.
5. Craft a practical report's discussion and conclusion.

Writing a practical report
Practical implications for development

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Issues for managing future projects

- Design models and methods … set scales and agree sign off methods
- Agree terms upfront … e.g. copyright, creative commons, internal or Open Educational Resources (OER) use?
- Benchmark, hours, costs, milestones
- Think lifecycles, support and aftercare
- Manage software licences
- Manage assets and keep records
- Keeping up with technologies
- Keeping up to date in every way!
Future challenges and opportunities

- Avoid big commitments to complex integrated learning resources
- Emphasis upon usability, perceived value and educational benefits
- Next 10 to 20 years will see very significant changes in use and interaction with tools and technologies
- Changes in HE
- Changes in information landscape
- Changes in the way that we support and enable learning of library and information skills
- Implications for libraries and librarians?

http://media.cmgdigital.com/shared/img/photos/2013/04/16/81/3c/Mosiac-SG.jpg
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Changes in HE

Changes in information landscape

Changes in the way that we support and enable learning of library and information skills

Implications for libraries and librarians?