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Biomedical Research Data Management Open Online Education: Challenges & Lessons Learned

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Biomedical Research Data Management Open Online Education
Challenges & Lessons Learned

The goal of this project is to expand the New England Collaborative Data Management Curriculum to create a fully accessible and interactive open online course. This course will provide training to librarians, researchers, biomedical undergraduate and graduate students on recommended practices for facilitating the discoverability, access, integrity, reuse value, privacy, security, and long term preservation of biomedical research data.

These lessons learned will assist course development beyond this project, adding to best practices for creating massive open online courseware.

DEVELOPING OPEN ONLINE COURSEWARE

Challenges

**Curriculum**
Outdated content and materials in a format designed for in-person instruction and customization

**Audience**
Content focused on teaching research data management to librarians as a train-the-trainer

**Software**
Open source platform (WordPress Learning Management System) with limitations & restraints

Lessons Learned

**Curriculum & Delivery**
Teaching method influences curriculum and content should not be developed in isolation from the teaching method

**Audience & Content**
Content is dependent on audience and supplementary content can be used to bridge audience gaps

**Software & Technology**
Allow more time in the timeline for project team to work with new or unfamiliar technologies

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