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University of Utah
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NTC Quarterly Report
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Table of Contents

Executive Summary.....	3
Training Events.....	4
Cancellations.....	5
Self-paced e-learning Products.....	6
NTC Web site.....	8
MLA Educational Clearinghouse Activities.....	9
Collaboration with NN/LM staff.....	10
Marketing and Promotional Activities.....	11
Other.....	12

Executive Summary

CLASS DEVELOPMENT

The NTC staff worked on developing the following classes:

"Teaching with Technology": This class is a collaboration with Sharon Dennis and Kay Deeney from the NN/LM Pacific Southwest Region. It is an asynchronous class using Moodle, eligible for 8 MLA Continuing Education credits. This course will acquaint attendees with information about using technology tools for teaching distance learning courses. We will discuss options and best practices for asynchronous and synchronous distance classes, as well as "blended" classes that offer both in-person and online options. Adult learning principles will be reviewed. We will examine and discuss examples of software and web tools in teaching as well as hardware considerations.

In addition to development by Ms. Dennis and Ms. Deeney, Qin Li, Instructional Designer from the Technology Assisted Curriculum Center at the University of Utah Marriott Library, reviewed the class materials. The class materials were updated to reflect feedback from Dr. Li.

A pilot class will be offered in March 2012 to the Pacific Southwest Region and will be rolled out to the rest of the country in the summer of 2012.

"PubMed® for Librarians": The NTC trainers began curriculum development for this class, which will be a series of 4 one-hour segments taught online through Adobe Connect. Students may participate in any of the segments in any order.

"PubMed for Trainers": The NTC trainers continued preparations to teach "PubMed for Trainers"; the first NTC offering of this hybrid class is in February 2012. NTC created a Moodle course management page for the class. The Moodle page organizes class information, participant biographies and discussions, homework assignments, quizzes, and pre/post test in one place. Moodle will be used by both the NTC and NLM trainers for all PubMed for Trainers classes.

NATIONAL TRAINING AND REGISTRATION PAGE (NTRP)

The Middle Atlantic Region began using the NTRP. The New England Region also agreed to use the system.

Training Events

TABLE 1. Training Sessions

Session Content	Start Date	End Date	City/State	Trainers	Activity Conducted In-person	Activity Conducted Remotely	# Participants
PubMed®	12/7/2011 12:00:00 AM		Davis, CA	Rebecca Brown, Sharon Brown		N	28
TOXNET® and Beyond	12/8/2011 12:00:00 AM		Davis, CA	Rebecca Brown, Sharon Brown		N	13

Cancellations

No events were canceled in this quarter.

Self-paced e-learning Products

ADOBE CONNECT TUTORIAL

Rebecca Brown created a video tutorial (using Jing and Camtasia) about the basics of attending a class in Adobe Connect. The video is posted within Moodle for the PubMed for Trainers class.

BOOLEAN ANIMATIONS

Matt Steadman developed animations using Flash to show Boolean logic examples.

SELF-PACED TUTORIAL NEEDS ASSESSMENT

A self-paced tutorial needs assessment was released on January 24, 2012. The purpose of the assessment is to inform format, topic and length of future tutorial development.

The needs assessment was promoted through NTC and RML blogs, as well as sent to listservs reaching health science librarians, public librarians, special librarians, public health workforce, nurses, and physician assistants. Results will be collected until February 17, 2012. As of January 31, 2012, over 450 responses were received.

Knowledge and skills assessment are collected for the new PubMed for Trainers class. No sessions of the PubMed for Trainers class were taught in Quarter 3.

Student Satisfaction Analysis

NTC PUBMED CLASSES

In December 2011, NTC taught a final session of the workbook-based in-person PubMed class at the University of California, Davis in Davis, CA (this class is will no longer be taught and will be replaced with PubMed for Trainers). The class had a total of 28 participants; 26 participants filled out the evaluation questionnaire.

The evaluation results for the third quarter are as follows:

Instructor knowledge, preparation, presentation skills and responsiveness to questions: High (78%); Good (17%); Fair to Low (5%)

Participants rating of whether they acquired knowledge and skills they can use: Agreed (89%); Somewhat Agreed (4%)

Most helpful parts of the course:

- *Hands-on instructions and live searches
- *Learning more about NCBI filters and MeSH searching

Least helpful parts of the course:

- *Re-teaching Boolean logic
- *Class seemed to elementary; needs to be more advanced

Additional comments:

- *"I think that the PMID should appear on the default display along with the PMID."
- *"It's a shame you will not be continuing this class!"

Overall rating: "A" (77%); "B" (15%); "C" (8%)

NTC TOXNET and Beyond CLASSES

NTC taught one TOXNET and Beyond classes with a total of 13 participants; 12 participants filled out the evaluation questionnaire.

The evaluation results for the third quarter are as follows:

Instructor knowledge, preparation presentation skills and responsiveness to questions:
High (81%); Good (19%)

Participants rating of whether they acquired knowledge and skills they can use: Agreed (92%); Somewhat Agreed (8%)

Most helpful parts of the course:

- *Description and relationship of all databases associated with TOXNET
- *Immediate feedback from instructors during TOXNET worksheet group exercise
- *Information about ChemIDplus

Least helpful parts of the course:

- *Many exercises were too advanced
- *Multi-input boxes in TOXNET were VERY hard to see (such as TRI)
- *Database interfaces could be better designed and less ambiguous looking

NTC Web site

NTC web pages that were formerly individual files have been incorporated into the WordPress content management system, including contact information, MLA Educational Clearinghouse information, and course information. The WordPress format allows members of the NTC team to quickly edit pages without HTML coding.

MLA Educational Clearinghouse Activities

Rebecca Brown recorded three Jing instructional videos describing how to create a Clearinghouse account, how to add a record to the Clearinghouse, and how to search the Clearinghouse for RML offerings using Advanced Search. The videos were linked on NTC's web site and announced to the RMLs during the Consumer Health and Outreach teleconferences.

Michael Boer from Web-STOC met with NLM and NTC staff to discuss issues related to linking between the Clearinghouse, the nnlm.gov course description pages, and the National Training Registration Page (NTRP) system. As a result of this meeting, the NTC created better connections between NTRP class description page and the NTRP class registration pages. This provides a more usable landing page for class information linked from the Clearinghouse.

In addition, NTC staff developed use cases describing how to connect the Clearinghouse with the nnlm.gov course description pages and the NTRP registration system. These recommendations were presented to the Outreach coordinators at the January 26, 2012 Outreach and Education Coordinators teleconference.

Michael Boer from Web-STOC created six pre-fabricated searches to search various subject categories of RML offerings within the Clearinghouse. The searches are under review by the Outreach and Education coordinators. Once the review is complete, the searches will be linked on the nnlm.gov training page.

Collaboration with NN/LM staff

The Middle Atlantic Region began using the NTRP. The New England Region also agreed to use the system.

Matthew Steadman implemented new user and class management tools to enable improved communication with class participants as well as improved class management by regional representatives.

Mr. Steadman created a drag and drop form builder tool; testing and implementation will follow in the 4th quarter.

NTC held a NTRP update meeting on January 26, 2012 with representatives from all of the NN/LM regions attending.

Marketing and Promotional Activities

NTC staff worked with a marketing consultant, Cyndy Salzmann, to develop promotional and marketing materials. Ms. Salzmann created draft materials in January 2012; the final materials will be available in March 2012.

Matthew Steadman designed banner logos for two classes (PubMed for Trainers and Teaching with Technology). He also created a template to be used by host sites when promoting the PubMed for Trainers class.

Other

November 14, 2011: The NN/LM NLM Fellows Orientation, held at NLM in Bethesda, MD, included remote presentations by NN/LM staff. Sharon Dennis presented the NTC's activities and plans.

November 16-18, 2011: The NTC staff gathered in-person in Salt Lake City, UT, to plan objectives, activities, and evaluation indicators for Option Year 1.

December 6, 2011: Sharon Brown attended "E-Science Day" held at the University of California, Davis, and sponsored by the Pacific Southwest Region.

December 9, 2011: Jean Shipman, Claire Hamasu, and Sharon Dennis attended the mid-year NN/LM Director's meeting.