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ELIS: Embedded Library Instruction Services

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ELIS - Embedded Library Instruction Services Lake Superior Libraries Symposium

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**Northern Michigan University
Marquette**

What is ELIS - Embedded Library Instruction Services ?

- **Personal pro-active** library instruction
- All types of courses: web-enhanced, hybrid, and online-only
- Delivered via course management system (CMS), wiki, and NMU Listserv
- All levels: one-year certificate through doctorate

Five Aspects of ELIS

- Library Resources
- Course-specific Library Instruction
- Methods of Delivery
- Collaboration
- Needs Assessment

ELIS - Embedded Library Instruction Services

Key to Success:

TRUST

between AIS Faculty &
Course Instructor

The Team

- NMU President, Provost, Deans, Department Heads, & Program Directors
- Ten AIS Faculty (librarians + archivist)
- Center for Instructional Technology in Education (CITE)
- Course Instructors

The History

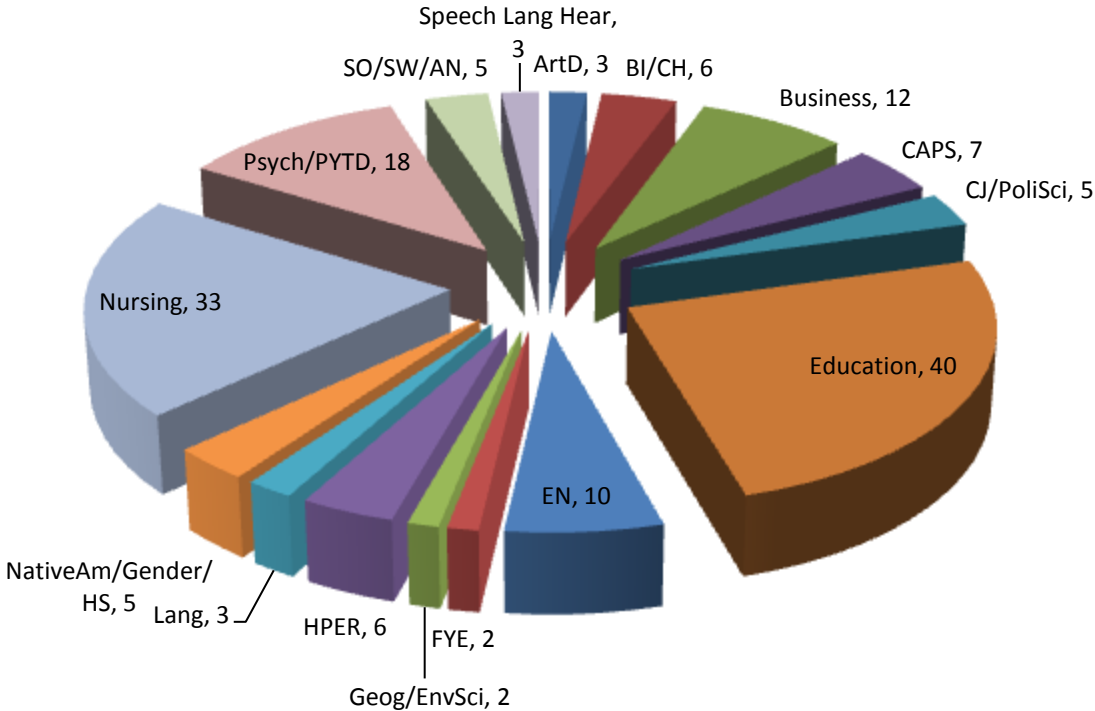
- 2000
 - Presence in WebCT through “test student” (generic identity)
 - Librarian and CJ instructor collaborated (LI & co-author assignments)
 - Links to librarian & library guides
 - Instructor-created Library discussion threads

- 2004
 - Presence in WebCT as “guest speakers” (real name identity)
 - Librarian-created Library discussion threads
 - Librarian sessions using Mediasite Live streaming
 - Expansion into Education & Nursing programs

More History

- 2009
 - Presence in WebCT as “embedded librarian”
 - Developed and implemented new policies & procedures
 - AIS Dean designated ELIS as 1 of 5 Library Strategic Directions for NMU's [Road Map to 2015](#)
- 2010 - NMU implemented Moodle™ (branded as NMU EduCat™)
- 2011 - ELIS becomes one of the Library's AQIP (Academic Quality Improvement Program) assessment projects for FY 2012

Number of Courses by Department/Area with Embedded AIS Faculty 160 Cumulative 2000-2012



ELIS Growth

- Initial implementation and promotion through Library Liaison Program
- Campus-wide promotion began Fall 2011
- ELIS Request form for NMU instructors
- Current semester courses with Embedded AIS faculty (automatically generated nightly)

ELIS Presence

Fall 2009 semester

- Total WebCT sections: 948
- Total ELIS presence: 17 sections
- ELIS share in WebCT: 1.8 %
- Total Library Instruction (incl. ELIS): 130
- ELIS share of LI: 13%
- AIS faculty embedded: 4 of 9

ELIS Presence

Winter 2012 semester

- Total EduCat sections: 1,056
- Total ELIS presence: 82 sections
- ELIS share in EduCat: 7.8%
- Total Library Instruction (incl. ELIS): 143
- ELIS share of LI: 57%
- AIS faculty embedded: 8 of 10

How Students Contact Us for Help

- Discussion threads / forums
- e-mail
- Phone
- IM/chat
- Skype
- Facebook
- Meet in-person

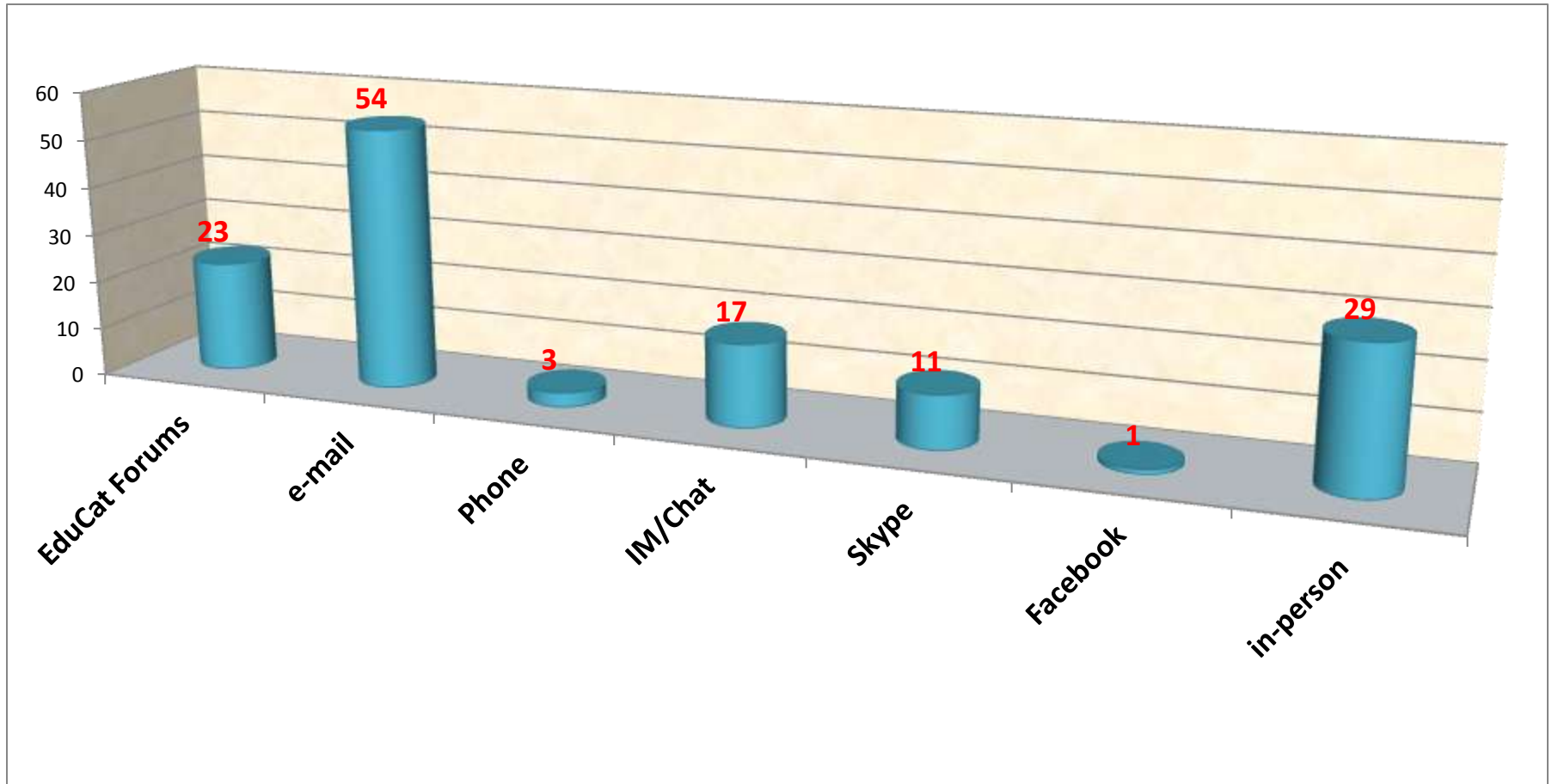
Additional Assistance

- [Library Distance Education Services](#)
- Virtual office hours
- Personal on-the-fly videos ([Jing](#)) (free)
- [Acrobat.com](#) online meeting & desktop sharing (fee/free)
- Public Services desk

AIS Faculty - Instructor Collaboration

- Assignments
- Bibliographic Styles
- Go-to person for problem solving
 - Computer access issues
 - Resource scarcity
 - Instruction in course delivery tools

Number of Questions Answered Winter 2012 by Method Received 138 Total



ELIS Benefits / Costs

- Embedded faculty are familiar with assignments, so students receive personal instruction inside course at point of need.
 - Strengthens connection between library, course instructor, & students.
 - Helps new instructors & students become familiar with library resources.
 - Resources customized for individual course assignments.
 - Provides library instruction where traditional methods not feasible.
- Learning how to use CMS to deliver assistance.
 - Initial time to build customized template for each department/program.
 - Time to add content beyond template to some courses.
 - Checking library discussion & general course postings/announcements.

ELIS Presence in CMS

- Olson Library Blocks
 - Customized OneSearch (Summon) widget
 - Video tutorials
 - Library & Style Guides
 - Course-specific resources
 - Zotero
 - How to contact embedded faculty
- Research Assistance Forum

ELIS Module - WebCT (old)

The screenshot displays the WebCT Campus Edition interface at Northern Michigan University (NMU). The page title is "WebCT Campus Edition™ at NMU" and the course is "NE 420 - COMMUNITY HEALTH NURSING AND CONTINUITY OF CARE (THEORY) - NE420AS". The main content is a "Table of Contents for ELIS: Embedded Librarian Instructional Services - Nursing".

Table of Contents for ELIS: Embedded Librarian Instructional Services - Nursing

- 1 First Task: Register for ILL Services
 - 1.1 [Interlibrary Loan \(ILL\) Policies](#)
 - 1.2 [ILL Registration](#)
- 2 Help from your Embedded Medical Librarian, Prof. Mike Strahan
 - 2.1 [Live Chat/IM with Mike \(outside of WebCT\) \(no account required\)](#)
 - 2.2 [E-mail Mike \(write course # in subject\): mstrahan@nmuedu](#)
 - 2.3 [Call Mike @ \(906\) 227-2463](#)
 - 2.4 [Visit Mike at the Library](#)
 - 2.4.1 [@ the Reference Desk: Tues. 6pm-10pm; Thur. 5pm-7pm; Fri. 11am-1pm](#)
 - 2.4.2 [@ his office \(by appointment\): LRC 233](#)
 - 2.5 [Ask Mike the Librarian \(Discussion thread--not private\) \[checked Tu/Thu/Fri\]](#)
 - 2.6 [APA Q & A - Ask Mike / Anna \(Discussion thread--not private\) \[checked Tu/Thu/Fri\]](#)
- 3 Researching Your Topic (Databases, Resources, & Services)
 - 3.1 Library Instructional Videos
 - 3.1.1 [Community Health Stats \(NE420-W05 sem.\) \(85 minutes\)](#)
 - 3.1.2 [How to Search CINAHL Database \(FORTHCOMING\) \(brief Flash video\)](#)
 - 3.1.3 [How to Search PsycINFO Database \(brief Flash videos\)](#)
 - 3.1.4 [Nurs. Grad. Library Orientation \(2008\) Part 1 - CINAHL, ILL, APA \(98 minutes\)](#)
 - 3.1.5 [Nurs. Grad. Library Orientation \(2008\) Part 2 - Finding Journals Online, Cochrane & STAT!Ref \(62 minutes\)](#)
 - 3.1.6 [Other Videos](#)
 - 3.2 Library Guides
 - 3.2.1 [Health Statistics/Community Health/Epidemiology \(Bookmark this page!\)](#)
 - 3.2.2 [Comprehensive Nursing & Medical Guide w/ Database Links \(Bookmark this page!\)](#)
 - 3.2.3 [Evidence-based Practice Resources](#)
 - 3.2.4 [Nursing Job Hunting & After Graduation low-cost/freshly-accessible resources](#)
 - 3.3 Nursing-related Online Reference Sources
 - 3.3.1 [STAT!Ref - Online Medical & Nursing Books + anatomy.tv \(3D anatomy\)](#)
 - 3.3.2 [A Dictionary of Nursing \(2008\)](#)
 - 3.3.3 [The Oxford Companion to Medicine](#)
 - 3.3.4 [A Dictionary of Food and Nutrition \(2009\)](#)
 - 3.3.5 [Gale Encyclopedia of Cancer](#)
 - 3.3.6 [Gale Encyclopedia of Genetic Disorders](#)
 - 3.3.7 [Oxford Reference Online - Medicine & Nursing titles](#)
 - 3.4 Library Catalogs
 - 3.4.1 [NMU Library Catalog \(new 2009 interface\)](#)
 - 3.4.2 [WorldCat \(44,000+ libraries worldwide\)](#)
- 4 NMU Olson Library does not have materials you need?
 - 4.1 [Click here to request articles through Interlibrary Loan](#)
 - 4.2 [Click here to search for & request books, videos, etc. \(not articles\) through MelCat \(sent directly to your local Michigan library\)](#)
- 5 APA Style Tools (6th ed, 2010)
 - 5.1 Zotero - Free References & Research Resources Management browser extension (Firefox, Netscape, Flock) w/ Microsoft Word & Open Office Plugin
 - 5.1.1 [Zotero Information & Download Plug-ins](#)
 - 5.1.2 [Zotero How-to Videos \(FORTHCOMING\) \(brief Flash videos produced by Olson Library\)](#)
 - 5.2 [Mike's APA Quick Help for referencing Nursing materials \(rev. 10/16/09\) - Click F5 to refresh display](#)
 - 5.3 [What's New in the Sixth Edition of the Publication Manual?](#)
 - 5.4 [APA Style Tutorial Videos \(produced by APA\)](#)
 - 5.5 [APA Reference Style How-to Videos \(Brief, produced by Olson Library\)](#)
 - 5.6 [APA Reference Style - Citing in-text \(Diana Hacker\)](#)
 - 5.7 [APA Sample Papers from APA Style web site \(Notes, tables & figures are published, not submitted manuscript formats\)](#)
 - 5.8 [APA Captioning & Citing of Tables & Figures](#)
 - 5.9 [APA Referencing article excerpts published in books](#)

Current Examples of ELIS

Embedded AIS Faculty in

NMU EduCatTM
(NMU login only)

Example of ELIS (screen shots)

During the presentation, we demonstrated how ELIS looked in different courses. Since these are not accessible to the public, the following 4 slides show the customized ELIS resources in Forums (center) and blocks (right side).

ELIS Module - EduCat basic (no embedded liaison)

Course: ELIS 101 ELIS - Embedded Librarian Instruction Services - ELIS101MS - Mozilla Firefox

File Edit View History Bookmarks Tools Help

Course: ELIS 101 ELIS - Em... +

nmu.edu https://educat.nmu.edu/moodle/course/view.php?id=58&sesskey=1a7kb9JqPD&switch

Vger 1 Sq GA GS GR G Vry DS F S CN CB W D G MG DB N A IC s B MY bl EduCat™ L Adp

NMU Olson Library
(generic library block; no library forums)

- OneSearch (advanced search)
- Library Catalog
- Databases: Subject-Specific A-Z
- Library Course Guides
- Library User Guides (APA, MLA, Legal Research, etc.)
- "Ask Us" Research & Searching Help (chat, e-mail, phone, etc.)

NMU EduCat™ powered by Moodle. You are logged in as Michael Strahan: Student (Return to my normal role)

zotero

ELIS Module - EduCat Customized (with embedded liaison)

Course: ED 500 Educational Research - ED500JP - Mozilla Firefox

File Edit View History Bookmarks Tools Help

Course: ED 500 Educational... +

nmu.edu https://educat.nmu.edu/moodle/course/view.php?id=423&edit=0&sesskey=1a7kb9Jqf

Vger 1 Sq GA GS GR G Vry DS F C S CN CB W D G MG DB N A IC s B MY bl EduCat™ L Adp

Instructor Contact Information
Instructor: Judy Puncocchar
email: jpuncoch@nmu.edu
phone: 906-227-1366

Activities
Assignments
Forums
Resources

Administration
Turn editing on
Settings
Outcomes
Files
Profile

People
Participants

Topic outline

Course Information

- Syllabus: See Page 4 for our course road map.
- Instructor Biography
- Questions, Research Suggestions, and General Information
- Statistics Videos **70 unread posts**
- Galvan Tips
- News forum

Important! If your mailing address is 35 or more miles from Marquette, please register for LDES (Library Distance Education Services) to receive materials requested through inter-library loan (ILL).

Ask Mike!

Research without tears: Library Research, Literature Searching, & APA Assistance from Prof. Mike Strahan, your embedded librarian. Personal help is available through ELIS links in Library Block on right, or forums below:

- Research Search Questions
- APA (6th edition 2010) Q & A
- MLA to APA Reference Style Transition Help Sheet
- Course Evaluation

Problems accessing online articles? Download, install, and run NMU's free CISCO VPN software:

- Cisco VPN for Windows
- Cisco VPN for Mac OS X 10.4 or greater

ELIS - Embedded Library
Instruction Services

"OneSearch"
This search engine is customized for ED 500 students (i.e., returns results for only scholarly & peer-reviewed English language research articles). If you see a dragon-looking creature (Shibboleth), log on to continue searching.

Submit Query

How to use OneSearch (flash video)

ELIS guide with APA DOI tools

APA guide with DOI tools & extensive examples

Cabell's directory of publishing opportunities in education!

zotero

ELIS Module - EduCat Customized (with embedded liaison—more blocks)

Course: ED 500 Educational Research - ED500JP - Mozilla Firefox

File Edit View History Bookmarks Tools Help

Course: ED 500 Educational... +

nmu.edu https://educat.nmu.edu/moodle/course/view.php?id=423&edit=0&sesskey=Ia7kb9Jqf

Vger 1 Sq GA GS GR G Vry DS F S CN CB W D G MG DB N A IC s B MY bl EduCat™ L Adp


Discussion forums for Galvan tips and statistics videos are under **Course Information** near the top of our course.

- Directions for Module 1
 - Introductions
 - WELCOME and Introductions
 - Photographs
 - Librarian Professor Mike Strahan
 - Hot Topics in Educational Research
 - ELIS (Embedded Librarian Instructional Services)
 - Confidentiality Statement
 - Confidentiality Statement
 - Time Log (Excel file)

Module 2: What is empirical research?

Discussion forums on statistics videos and Galvan text are near the top of our course.

Directions for Module 2

Click on the video icon to start the statistics videos.  Look for this icon to play FREE video.

- DRY MIX
- Introduction to Research (research process)
 - Part A
- Tips for Evaluating Sources
- Sample Article Critique format
 - Article Critique 1

Google Scholar (NMU version)

Free complete dissertations online

Reminder: Check Library Forums

APAstyle.org Blog

Skype: mike-at-nmulibrary
click here to download Skype

How to Ask Mike! for help

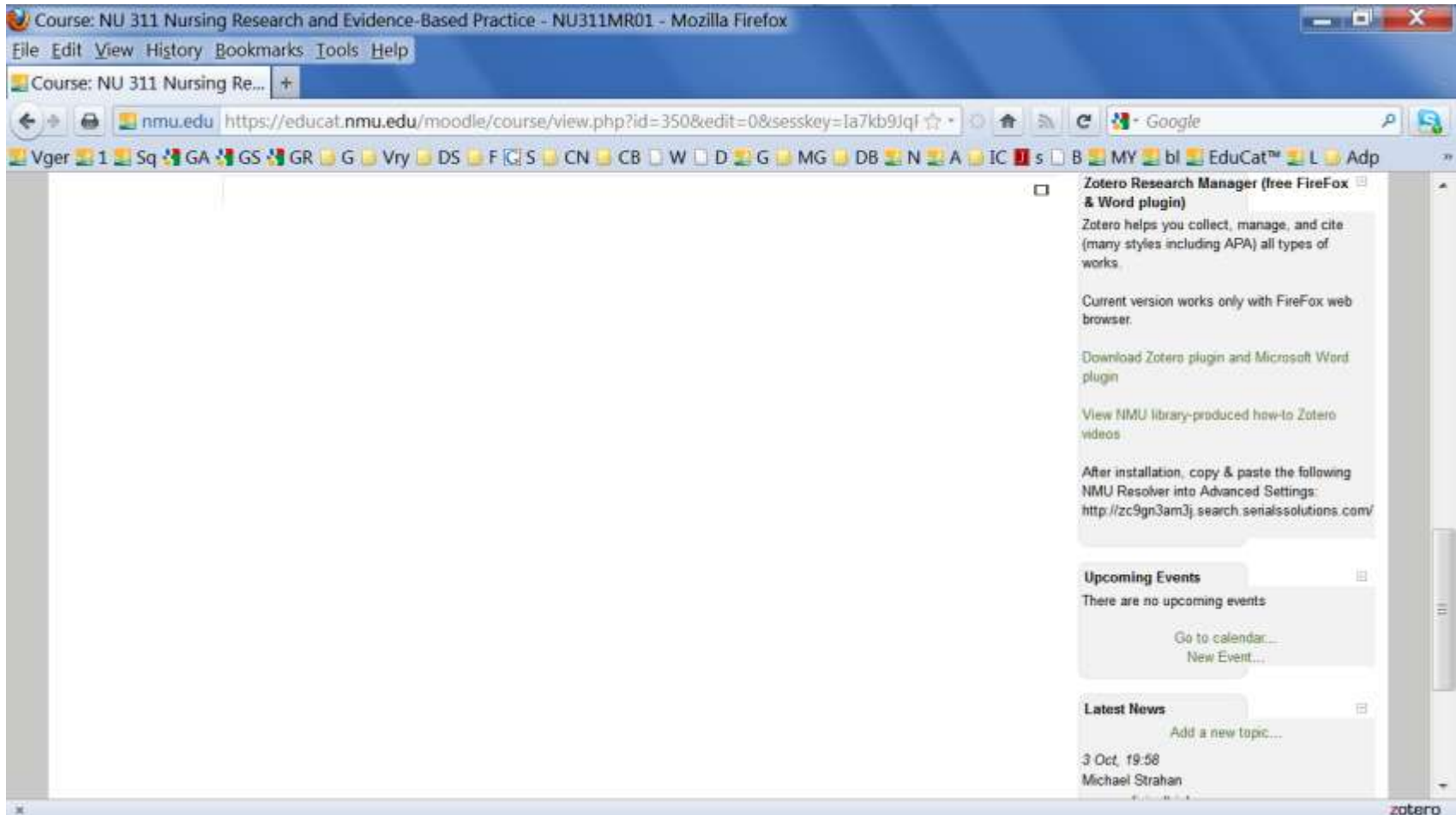
Found a reference which you want to acquire?

Copy & paste the title in the search box below. If you see a dragon-looking creature, log on to continue searching.

Search

zotero

ELIS Module - EduCat Customized (with embedded liaison & Zotero block)



Assessment

Library's FY 2012 AQIP plan specified:

"The method of delivery will be considered effective if 75% of students are able to complete their library research successfully, based on the information gathered by the assessment instrument."

Assessment

- Summer 2011 - Researched & designed instrument (rubric)
- Fall 2011 & Winter 2012 - Identified pilot group of 3 Nursing courses requiring library research
- Course instructors volunteered
- Instructors applied rubric to one course section while grading papers.

Assessment Winter 2012

Face-to-Face only - No ELIS

NU 421 - Nursing Issues Seminar

Face-to-Face + ELIS

NU 311 - Nursing Research

Online-only + ELIS

NU 322 - Pediatric Clinic

The Future

- NMU's [Road Map to 2015](#)
- Olson Library Strategic Direction
- Add basic ELIS Library Blocks to ALL EduCat courses
- Increase number of participating departments
- All AIS faculty embedded
- Develop more-efficient methods of collecting embedded data

Questions?

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(906) 227-2431

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Thank you!