Paper Presented at the PAARL 2015 National Summer Conference 22-24 April 2015 Cagayan de Oro City

THE BLENDED LIBRARIAN: ASSERTING ROLES IN THE TEACHING-LEARNING PROCESS TO PROVIDE OPTIMAL LEARNING EXPERIENCES TO STUDENTS AND RESEARCHERS

What is this Presentation all about?



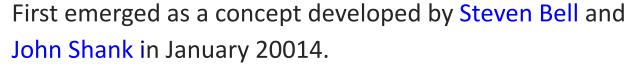
Examples, combining theoretical and empirical



DR. BRICCIO M. MERCED, JR. University Librarian UP Mindanao Davao City

briccio.merced@gmail.com

Blended Librarianship History



In April 2004 Bell and Shank delivered a three-session workshop on Blended Librarianship that was sponsored by the Technology Group and Association of College & Research Libraries. In November 2005 Bell and Shank appeared on the College of DuPage's Soaring to Excellence teleconference program to discuss Blended Librarianship.



With support from the Learning Times Network, the Blended Librarian Online Learning Community also became available in April 2004. As of mid-2012 the community has over 4,900 members. The seminal article on Blended Librarianship, "The Blended Librarian" appeared in the July/August 2004 issue of College & Research Libraries News.

Steven Bell's Info



Bell, Steven and John Shank. Academic Librarianship by Design: A Blended Librarian's Guide to the Tools and Techniques. Chicago: American Library Association, 2007.

Author of two books, several journal articles and publications.

EDUCATION

Doctorate of Education, 1997

UNIVERSITY OF PENNSYLVANIA, Philadelphia, PA Graduate School of Education

- Concentration in Higher Education Administration

Masters in Library Science, 1978

DREXEL UNIVERSITY, Philadelphia PA

College of Information Science and Technology

Bachelor of Arts in the Liberal Arts, 1976

TEMPLE UNIVERSITY, Philadelphia PA

- Graduated Cum Laude with Honors in American Studies

PROFESSIONAL PROFILE

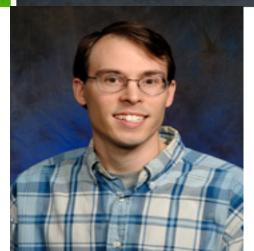
Associate University Librarian for Research & Instructional Services at <u>Temple University's Paley Library since 2007</u>

Previously Library Director at Philadelphia University (1997 - 2006) and Associate Library Director at Penn's Wharton School Library (1994-1997).

PROFESSIONAL ACTIVITIES

- Author of over 50 articles, and two books (co-authored)
- President, Association of College & Research Libraries, 2012-2013
- Adjunct Professor at Drexel University iSchool, 1995-2010
- Selected as Library Journal Mover & Shaker in 2002
- Delivered over 20 keynotes and 30 conference presentations
- Active in local and national library organizations and consortia
- Member of multiple associations, editorial and advisory boards

John Shank's Profile



Bell, Steven and John Shank. Academic Librarianship by Design: A Blended Librarian's Guide to the Tools and Techniques. Chicago: *American Library Association*, 2007.

Shank, John. The Blended Librarian: A Job Announcement Analysis of the Newly Emerging Position of Instructional Design Librarian. *College and Research Libraries* 6 (67): 514-524 (Nov. 2006).

Head Librarian at Penn State Berks. Prior to July 2001, he held positions at Bryn Mawr, Haverford, and Montgomery County Community College. He was selected by Library Journal in 2005 as a "Mover and Shaker."

Responsibilities include teaching, administration, research, and service. Teaches CAS 283 Communication and Information Technology. Directed numerous grants and projects awarded to over 60 faculty, directly impacting more than 85 courses and 2500 students. Initiatives focus on enhancing the student-centered teaching and learning campus environment. Research interests include the role, use, and impact of instructional technologies in higher education and academic libraries. Has given hundreds of presentations at conferences, meetings, and workshops.

Authored and coauthored a book, book chapters, and articles on library and CMS/LMS integration, Learning Objects (Digital Learning Materials), and the development of instructional design librarian positions. Currently, serves on the editorial review board for Internet Reference Services Quarterly and is the co-founder and Advisory Board Co-Chair of the Blended Librarian On-line Community.

What is a Blended Librarian?

- Bell and Shanks' definition:
- first combines the traditional aspects of librarianship with the technology skills of an information technologist, someone skilled with software and hardware. Many librarians already demonstrate sound technology skills of this type.
- To this, the Blended Librarian adds the instructional or educational technologist's skills for curriculum design, and the application of technology for student-centered learning.
- The Blended Librarian is the academic professional who offers the best combination of skills and services to help faculty apply technology for enhanced teaching and learning.

The "Blended Librarian"

"We define the "blended librarian" as an academic librarian who combines the traditional skill set of librarianship with the information technologist's hardware/software skills, and the instructional or educational designer's ability to apply technology appropriately in the teaching learning process"

(Bell & Shank, 2004)



Blurring of boundaries between the responsibilities of librarians, IT professionals and other academic support services

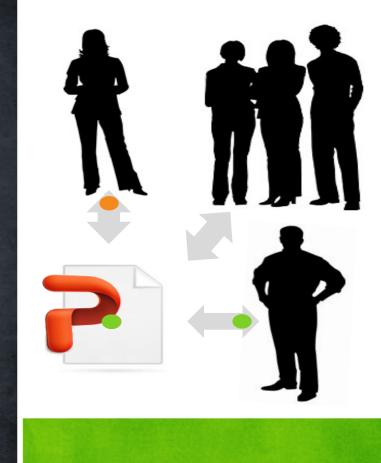
Blended Librarians

- Tech-intensive reference and instruction librarians are concerned with books, emerging technologies, e-learning, instructional design and web design, usability, blogging, library trend spotting, digital media, open access, innovation, social web tools, participatory librarianship, networked learners, online learning, etc.
- Often embedded in CMS/LMS
- http://blendedlibrarian.org/

Collaborate with instructional technologists and designers

Collaborating and engaging in dialogues with instructional technologists and designers is vital to the development of programs, services and resources needed to facilitate the instructional mission of academic libraries.

It's about team work, and co-authoring will get you there.



TRANSFORM OUR RELATIONSHIPS WITH FACULTY

Collaborate on enhancing student learning and outcome in information access, retrieval and integration

Emphasize our ability to assist them with integrating IT and library resources into courses



collaborate

Taking a leadership position as campus innovators and

change agents is critical to the success of delivering library

services in today's information society





Four candidates vying for new NORSU prexy





Commit to developing campus wide information literacy

initiatives





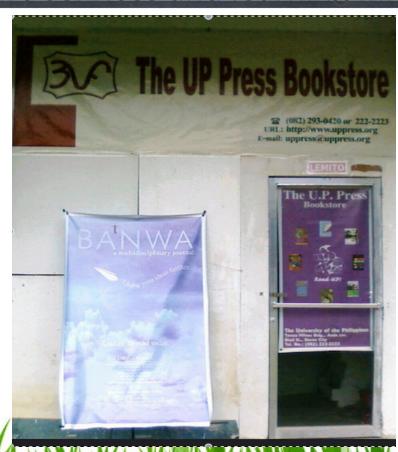
Commit to developing campus wide information literacy

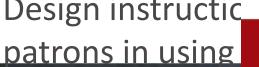


Design instructional and educational programs to assist patrons in using library services and learning information

literacy











#1989WorldTourMNL

#AngMartirMo



Blended Librarianship online

Applications of BL which one could find on the net



The TLT Group



The TLT Group

Teaching, Learning and Technology

A Non-Profit Organization

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About Us





Members Only [Available to TLT Group

members]

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FridayLive! Archives

Why be involved with the TLT Group?

We find ways to improve teaching and learning with technology in colleges and universities - ways which take advantage of new resources and new ideas without sacrificing the principles that matter most.

Our perspective is especially valuable when external pressures (like the continuing financial crisis) compel many to make - and others to accept - wild claims for the educational possibilities of technology.

Our approach always builds on respect for what has been accomplished in the past, balanced evaluation of new options, and enthusiasm for emerging possibilities.

We provide resources and ideas that support collaborative change. We help faculty members and other academic professionals to share their expertise and insights.

We "walk the walk." We use, demonstrate, and advocate low-cost, low-threshold resources: tools and activities that are easy to learn, easy to begin using, and have low incremental cost in dollars, time, and stress. We make Frugal Innovations.

How can you become connected with the TLT Group?

TLT-SWG Blog

Our forum for discussing improving teaching and learning by using available (changing) technology without sacrificing what matters to us all.

TLT-SWG began in 1993 as the (unpronounceable) AAHESGIT listserv.

Participate in FridayLive! Free and Open to all

"Saving Our Stuff?" - From Research References to Family Pix: Effective Practices in Personal Digital Archiving for Faculty and Students

Date: April 17, 2015 Time: 2:00-3:00 pm ET - free to all Presenters: Steve Gilbert, Beth Dailey, TLT Group and others







Learning Times





HOW WE GIVE BACK

Some of the ways we give back to the community



LearningTimes.org 0

LearningTimes.org is a free community for education, training, museum and library professionals. Members have access to a wide range of opportunities to interact and network with peers from across the globe.

MORE WAYS WE'RE INVOLVED



MuseumTimes.org 0

Podcasts, training, and sharing opportunities for museum professionals.



LTGreenRoom.org 0

Podcast series for renewal, retooling and conversations about learning.

Laser Etching



PLEASE ASSIGN A MENU FROM APPEARANCE -> MENUS

Learning Laser Etching

/ BLOG

Learning Laser Etching

C 1 LIKES

 $Laser\ etching\ is\ a\ process\ whereby\ a\ laser\ imprints\ an\ image\ or\ pattern\ permanently\ into\ a\ solid\ material.\ The\ etching\ is\ above the process of the p$

done using a special laser etching machine with an excimer laser. Educational institutions are finding more students interested in learning laser cutter technology as well whether for model making, or even human skin or eyes.

Lasers are common in LASIK eye surgery and consists of an intense, highly powerful ultraviolet laser beam. The method is called laser ablation and involves etching the image with virtually no heat and in as much detail as possible. The laser used does not actually burn the image into the solid material as with engraving, it merely dissolves portions of the material as

the short, quick pulse of the laser passes over it. This means that you can etch very intricate patterns and images like photographs into wood, glass, acrylic and more.

Laser Etching Machine

A laser etching machine utilizes various different lasers and laser etching equipment, such as different size lenses, than that of other engraving machines in order to carefully render an image without causing any damage to the surrounding material. There are different machines that can be used for different materials, but many high powered options can provide the ideal etching solution for any material, including glass, acrylic, wood, metal, leather and more. Boss Laser offers machinery for laser hobbyists, schools, and larger industry. Engraving machines don't just cut materials. They

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September 2014

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Meta



BRICCIO MAPUTI MERCED, JR.'s Website

Home

Indexing and Abstracting

Collection Management and Development

Exams

Organization of Information Sources (Basic Course)

Organization of Information Sources (Advanced Course)

> Library Management & Organization

> Library Cooperation & Networking

Educational Technology







Not everyone has a website because of the financial considerations involved. This website is courtesy of tripod.lycos.com, one of the companies that offers free website hosting. Without lycos, a lot of my students and professional colleagues, both in library and information science and education, would not benefit from this generosity. So, THANK YOU, to lycos!

Thanks also go to the many websites and homepages that I linked to my personal website and homepage. Their URL's or html's may have been changed but the contents are fully linked to this website. Some of them required acknowledgments on a per link basis. I believe not changing anything on how the original construction was done, would suffice not only for the acknowledgments but also the intellectural recognition these webistes and other resources have contributed to developing my own. To all of them, I also say thank you so much!

This Academic Website was purposely done to accommodate the educational requirements I need as a professor, and for my studednts (past, present, and future) to learn from it. This is not a perfect work in itself. But through the years of learning and yearning, I will be able to improve on this first work of mine on the web.

To all my students and colleagues, good luck in everything that you do and happy navigation!



Educational Technology

Home

Indexing and Abstracting

Collection Management and Development

Exams

Organization of Information Sources (Basic Course)

Organization of Information Sources (Advanced Course)

Library Management & Organization

Library Cooperation & Networking

Educational Technology

I. Course Description:

II. Course Outline

(Acknowledgments: URL's on this webpage are courtesy of the sites linked to this page. Their immesurable contributions have made this page worth navigating and reading. THANK YOU SO MUCH!)

A. Definition & History

wikipedia.org

duke.edu

B. ET in the 20th Century

aect.org

C. The Influence of Theory in ET

jime.open.ac.uk

D. The ET's Job

usask.ca/education

E. Principles in the Use of ET

informatikdidaktik.de

tltgroup.org

- F. Creating, Evaluating and Selecting Instructional Resources
 - 1. Dale's Cone of Experience

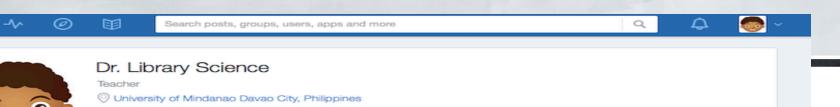
utk.edu/~mccay

2. Types and Sources of Instructional Resources

utk.edu/~mccay

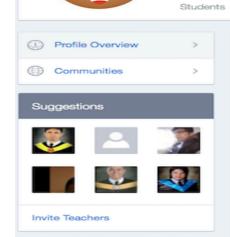
- G. Bloom's Taxonomy of Objectives
 - 1. Three Domains of Learning

nwlink.com/~donclark/hrd/bloom



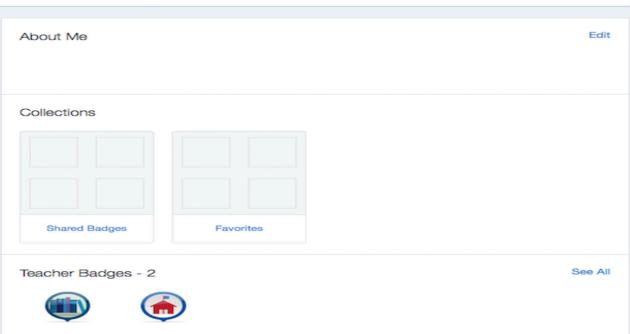
17

Library Items



14

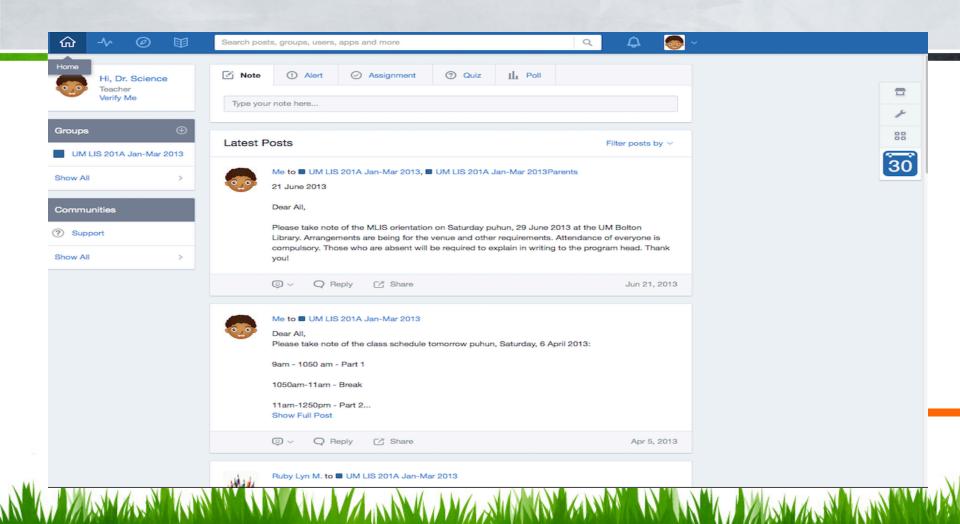
Teacher Connections



128

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Progress / UM LIS 201A Jan-Mar 2013

Grades Badges New Grade Student Total aquilina bacorio aquilina bacorio richie luz centen... Noemi Feca rowena gaoiran rowena gaoiran Jonale Ann Jabica... alma lacerna alma lacerna Ruby Lyn Masangya Ryan Arnel Paman violeta ramos Salome Rocacurva

Emelita Sarita



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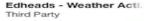


Resource Type









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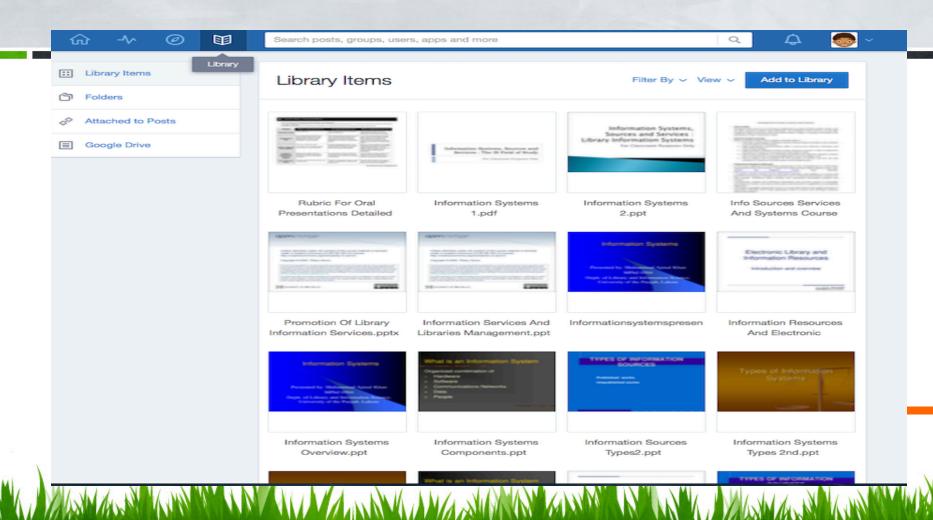
The Natural Inquirer Third Party

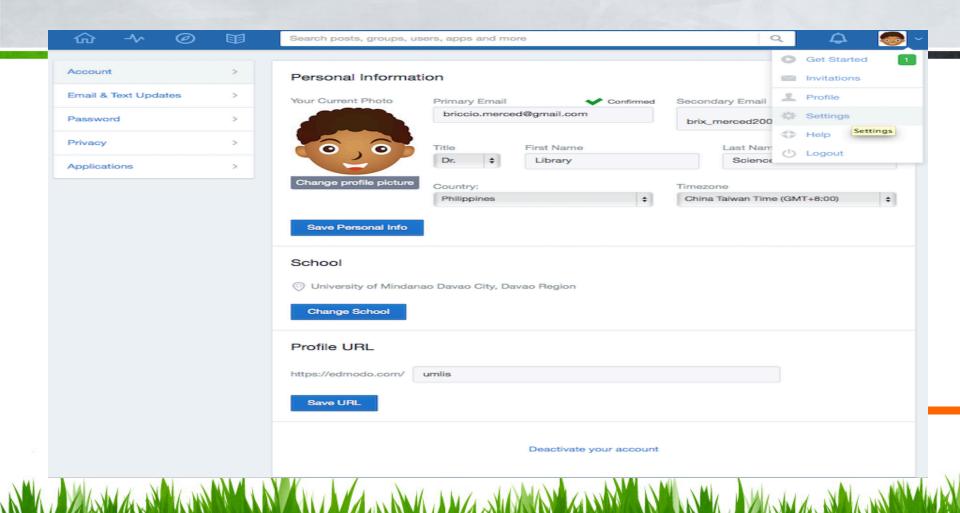
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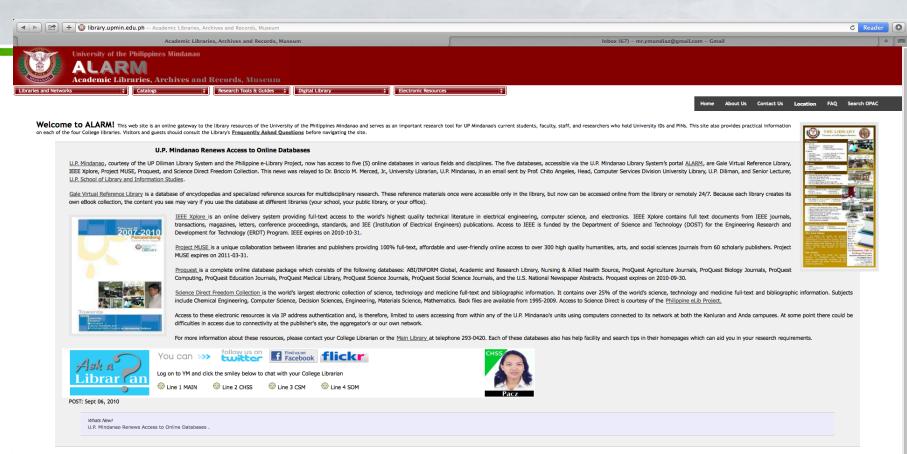


Fraction Frenzy Third Party

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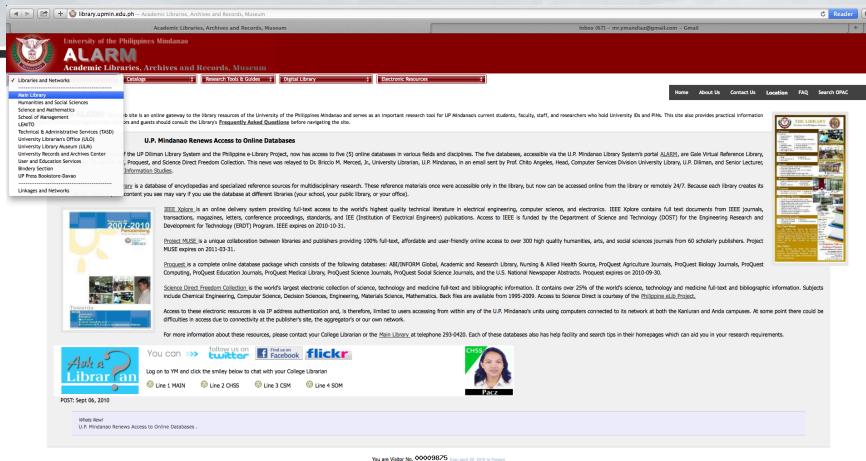
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10-25-2008 UPMin Library Staff seminar-workshop training on Webpage Design

04-13-2009 Library launches LIMPED 09-06-2010 University Librarian's Message





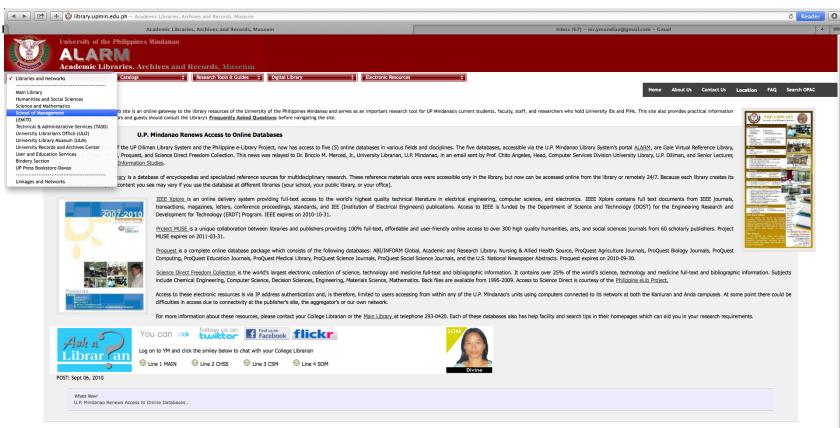


Rules and Rec

Links Resources for Librarians **Archives**

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C Reader

Bindery Section

Portal Services

Collections

e-mail Search OPAC

A library is a collection of information, sources, resources, and services: it is organized for use and maintained by a public body, an institution, or a private individual. In the more traditional sense, a library is a collection of books.

Wikipedia.org

UP Mindanao Library Binding Services

The University of the Philippines Mindanao Library has its own Bindery, which is responsible for all binding of library materials.

Gil B. Flauta is in-charge of UP Mindanao Library Bindery services.

This is a link to ALARM



Gil B. Flauta Bindery

Statistics for Bindery and repair of Library Materials

| As of May 20 | 009 | | |
|--------------|-----|---------|--|
| Mainlib | 34 | Volumes | |
| CHSS | 26 | Volumes | |
| CSM | 14 | Volumes | |
| SOM | 33 | Volumes | |
| Total | 107 | Volumes | |

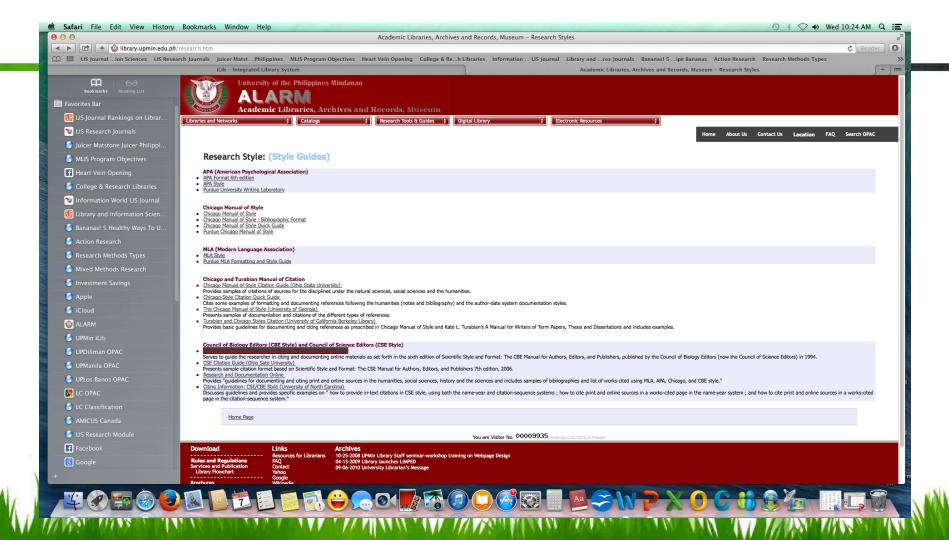
Main Lib CHSS CSM SOM LEMITO © 2009 University of the Philippines Mindanao Library

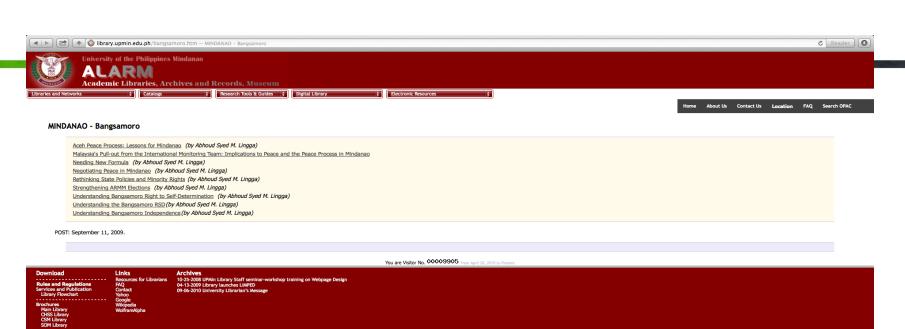
This site were developed by the staff as a product of the web page training and development held on October 20-24, 2008 at the LEMITO, Main Library, UP Mindanao, Davao City.











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BROWSE
Place | Time | Topic | Type of Item | Institution







8000 BCE - 2014 CE: View all 10,244

Recently Added or Updated Items

April 25, 2014



Buddhist Sutra "Bimashökyö"

The hand copying of Buddhist sutras was believed to confer great merit and spiritual benefit, so that from the introduction of Buddhism to Japan in the sixth century numerous manuscripts ...



The Sanmai-bashi Bridges in Ueno

This nishiki-e (Japanese multicolored woodblock print of ukiyo-e) depicts beautiful women coming and going in front of the Sanmai-bashi Bridges ("three bridges side by side") in Ueno-hirokōji, Edo (present-day Tokyo ...



Map of the Whole World

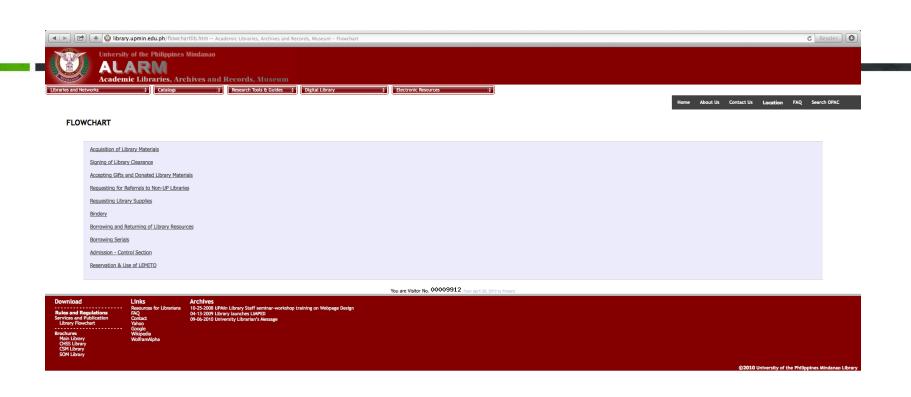
The first world map published in Japan appeared in 1645. Shown here is a popular version of that first map, published in 1671. It is divided into two parts: the ...

View all

Latest Tweets from the World Digital Library



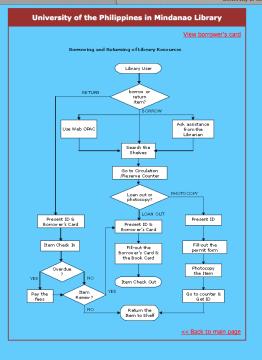












Web Resources

E-Resources provides links to resources and proprietary databases which are either acquired by the University or through gateways given by other libraries and units of the UP Library System.

E-links provides links to different subjects, government institutions, non-government agencies, libraries, organizations, and references which are not owned by the University. These are researched by the Library staff on the internet based on reference query and interviews conducted to faculty, staff, students, and other researchers, as well as suggestions and recommendations received by the Library in the course of its day-to-day activities. These are collected, collated, and discussed by the library staff as to their relevance and significance to the instruction, research, and extension functions of the institution.

Digital Book Index provides links to more than **88,000** title records from more than 1800 **commercial** and **non-commercial** publishers, universities, and various private sites. About 49,900 of these books, texts, and documents are available free, while many others are available at very modest cost.

Current Acquisitions are library materials or resources newly acquired and processed ready for use. They come in the form of monographs, serials, audio-visual, electronic, and digital. At least one of the four college and unit libraries are featured in this weekly issue. The four are the CSM, CHSS, SOM, and Main Libraries which comprise the UP in Mindanao Library System. Full bibliographic data and access are available at the Library's OPAC.

Book Log is originally published in hard copy, this publication is a cumulative listing of library resources acquired by the Library for the past month. Titles on this link are dumped from the Current Acquisitions on a monthly and annual basis. Full bibliographic data and access are available at the Library's OPAC.

Annual Report chronicles the accomplishments of the library on an annual basis. Articles in this yearly publication are contributed by the library staff as they reflect on the accomplishments and developments taking place in the Library the past year.

Service Hours

Monday - Friday 8:00 AM to 6:00 PM

Counter Schedule

Monday-Friday 8:00 a.m. to 5:00 p.m. 1:00 p.m. to 5:00 p.m.

Summer and Semestral Break:

Monday - Friday 8:00 a.m. to 5:00 p.m.

Weekend Before Final Exams

Saturday & Sunday 9:00 a.m. to 12:00 nn 1:00 p.m. to 4:00 p.m.

Monday to Friday 8:00 a.m. to 12:00 nn 1:00 p.m. to 6:00 p.m.

Personnel

Dr. Briccio M. Merced, Jr.
University Librarian
bmerced@upmin.edu.ph

Ms. Divina T. Labiao Administrative Aide III

Ms. Alessandra A. Guimba Library Aide

Mr. Ramil M. Casan Network Administrator LEMITO In-charge

Address: Main Library Tugbok District, Mintal, Davao City Telefax: (082) 293-0420

Homepage: http://upmin.edu.ph/library/default.htm



UNIVERSITY OF THE PHILIPPINES MINDANAO

Guide to the Library



Main Library

- Filipiana, General Reference, Serials, LEMITO
- Mindanao Studies Collection
- University Archives and Records
- Special Collections ADB, WB, FVR, OVCRD, Japan Foundation. American Reading Corner and AFRIM

^{***} To access web resources go to http://upmin.edu.ph/library/default.htm and click resources

Academic Libraries, Archives and Records, Museum

Research Tools & Guides Digital Library Electronic Resources

Welcome to ALARM! This web site is an online gateway to the library resources of the University IDs and PINs. This site also provides practical information on each of the four College libraries. Visitors and guests should consult the Library's Frequently Asked Questions before navigating the site.

UNIVERSITY LIBRARIAN'S MESSAGE

February 28, 2007, ushered in a new era for UP Mindanao. It was on this date that Dr. Gilda C. Rivero, a biologist, took the helm as the third and first woman Chancellor of the 7th autonomous unit of the University of the Philippines System. Taking off from where her predecessors left, Chancellor Rivero wasted no time and established her vision of ExcelLENCE 2010 that stands for Leadership, Education, Nationalism, Cultural Sensitivity, and Environmental Nurturance. The Library has added Information Delivery because it is its reason for being.

Since that date in February, each unit had to align its programs and services to that vision. In this end-of-term report, Pamalandong, the UP Mindanao Library System's Annual Report, encapsulates the Library's contribution for the past three years, LIMPED's (Library Information Management



Program for Excellence in Development) programs are composed of the Collection Development Project (CDP) and the Library Information Management System (LIMS). Areas covered by CDP are collection strength, accessibility and usability and collection density. LIMS integrates the different information databases and systems developed by the Library, Prominent among these are online news, ongoing library programs and projects. Current Acquisitions List (CAL) which are now classified by disciplines and curricular offerings, and the upgrade and enhancement of the portal ALARM. LAMPED (Library Administrative and Management Programs for Excellence in Development), on the other hand, is aimed at excellence in all the administrative requirements of the University Library. Such a program is needed in the light of rapid advancements in technology which the Library System is heavily dependent on. These programs are mutually exclusive in enhancing productivity, efficiency, and teamwork (PET).

Much has been achieved as performances for the past three years would indicate. As such, the Library System is indeed grateful for all the support, encouragement and words of inspiration it has received from top management, starting with Chancellor Rivero, her executive staff and management committee, down to our maintenance people. Gratitude also goes to our users who form the core of these accomplishments, our Library Friends, stakeholders, alumni chapters around the world, our networks and linkages, and a host of others who continue to bedevil our existence for the better year after year.

Thanks are also due to our library personnel whose knowledge, skills and attitude have made this Pamalandong, a timely report, Kaninyong tanan, ang akong kinasing-kasing nga pasalamat! DR, BRICCIO M, MERCED, JR,





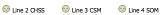




Log on to YM and click the smiley below to chat with your College Librarian







POST: April 19, 2010

Links

Contact

Yahoo Google

WolframAlpha

FAO

Resources for Librarians

The library is pleased to announce that a new digital collection on Martin Luther King, Jr. is now accessible via its portal ALARM (Academic Libraries, Archives and Records, and Museum), Linked as Digital Collection, the materials are in full-text pdf, html and video format published by Thomas Jefferson Information Center, which can be printed, downloaded, and sent to e-mails.

You are Visitor No. 00009916 from April 20, 2010 to Present

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CSM Library SOM Library

Rules and Regulations Services and Publication Library Flowchart Brochures Main Library CHSS Library

Archives

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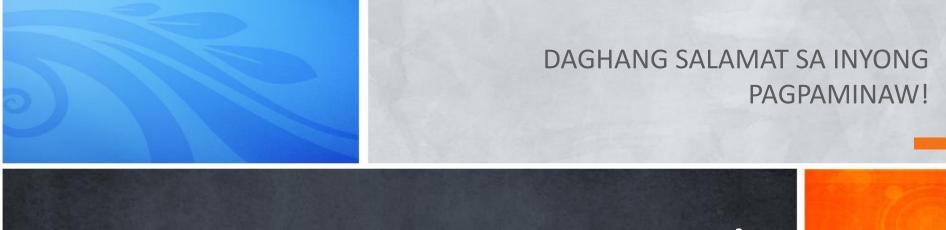
Towards

EXCEL Leadership Education Nationalism Cultural Sensitivity and Environmental Nurturance in Information Delivery

To Summarize

| | Historical | Emerging | Future |
|-------------------------------|--|--|--|
| Collections | Just-in-case | Just-in-time | On demand, anytime |
| Space | Static, mostly for collections | Flexible, user-focused | Embedded in academic units, a collaborative space for Knowmads |
| User Experience | Unintentional | Experimentation with service design | Academic libraries as campus leaders in community engagement |
| Reference | In person, over the phone | Digital | Highly automated, mobile |
| Users | Students, faculty at their home institution | MOOCs, New majority learners, unaffiliated global learners | Community members, Knowmads |
| Skills | Master's of Library Science, subject specialists | Blended Librarians | Entrepreneurial Blended Librarians |
| Teaching & Learning | Assist students and faculty with research assignments, drop-in sessions by request | Embedded in colleges, departments, and courses | Blended Librarians |
| Demonstrating Value | Collection size | Expanding partnerships on campus, create evidence for invisible services | Learning analytics |
| Relationships with Faculty | Limited, based on research needs | Co-creative, joint research projects | Partnerships with unaffiliated research entrepreneurs |





TO GOD BE ALL THE GLORY!

References Used

Association of College and Research Libraries. (2015). Retrieved from http://www.ala.org/acrl/

Association of College and Research Libraries. (2015). Thinking like a designer. Retrieved from http://www.ala.org/acrl/onlinelearning/elearning/courses/blendedlibrarianship

Blended Librarianship. (2015). Retrieved from http://liswiki.org/wiki/Blended_librarianship

Blended Librarianship. (2015). Retrieved from https://www.google.com.ph/

Blendedlibrarian. (2015). Learning laser etching. Retrieved from http://www.blendedlibrarian.org

Briccio Maputi Merced Jr.'s website. (2011). Retrieved from http://bmerced.tripod.com/index.html

Defining Embedded Librarianship. (2015). Retrieved from http://books.infotoday.com/books/Embedded-Librarian/Chapter-1.pdf

Learning Times. (2015). Who we are, how we give back. Retrieved from http://www.learningtimes.com/who-we-are/how-we-give-back/

Pagowsky, Nicole and Rigby, Miriam. (2014). Chicago: Association of College Libraries. Retrieved from

http://www.ala.org/acrl/sites/ala.org.acrl/files/content/publications/booksanddigitalresources/booksmonographs/stereotype_Prelim.pdf

Shank, John D. and Bell, Steven. volume 51, issue 2 | Winter 2011. Retrieved from

https://www.slcc.edu/internalaudit/docs/Teaching_Become%20Blended%20Librarianship.pdf

The TLT Group. (2015). Teaching, learning, technology. Retrieved from http://www.tltgroup.org

UP Mindanao Library. (2007). ALARM. Retrieved from http://library.upmin.edu.ph

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