

Planning Document for the Nicaragua teach technology project

Short description: A selected group of nursing faculty from 10 nursing schools-participating in the Strengthening Nursing Program through Technology in Nicaragua-meet during a two day conference to learn about how technology tools can enhance teaching and learning experiences in nursing education.

Who: 4 nurses per institution with good computer and Internet skills and computer technician (Aulanet) Prereq: Must be a fast learner, good knowledge of open office, internet skills, email account, (must they have a google email or can they use yahoo mail account for iGoogle), open to learn, curious, courage, good attitude

What: A two day workshop to learn about technology in the classroom and how to use it to better teach students. One day of didactic training and one day of small hands on workshop.

When: August 19-20, 2009

Where: UPOLI, Managua, Nicaragua
[Google Map of Nicaragua](#) - map of each school

Why: To improve nursing education, and ultimately, healthcare, in Nicaragua by training a group of faculty in integrating the use of technology into the classrooms and teaching them how to teach others. (to replicate modern instructional methods)

Justification: According to the evaluation of the Strengthening Nursing Program, more training is needed in how to incorporate technology into nursing teaching methods. These teachers will serve as multipliers in their respective institutions.

EtherPad - <http://etherpad.com/CTDH1kS9KZ>

Analysis

Learners:

- 40 Spanish speaking, Nursing Faculty from 10 Nursing Schools participating in the Strengthening Nursing Program from all around Nicaragua.
- May or May not know each other.
- With basic- moderated computer skills (The best on computer skills at their respective schools)
- May or may not have a personal computer - need online storage,
- they work in computer labs, or shared department computer - may not have external hard drive (need virtual personal space)
- Gradebooks and records by hand (pencil and paper)

- May or May not be advanced with technology. but eager to learn new technologies
- At different levels of teaching experience
- from rural and urban areas - use of traditional classroom techniques
- Comfortable with existing training system (CD Basic nursing Skills)

Training systems:

- CDs with basic nursing skills has been distributed and used
- Basic trainings on computer skills
- Specific areas of teaching(OB/ Fundamental Skills/ Medical-Surgical, etc.)
- Computer technician - that gives trainings and help

Environment:

- Two computer labs each one equipped with LCD projector, Internet access
- Out dated textbooks
- Resources - limited
- opportunity 'leapfrog technology'
- Student's don't have admin rights in the Aulanets
- What browsers and versions are used in the Aulanets? - Will iGoogle work with those browsers?

Content:

- Teaching techniques- (methodology-ADDIE instruction design model) ice breakers, small group projects, grouping
- iGoogle / RSS - virtual space for storing teaching material
- Open Office - Impress (Powerpoint), Calc (Excel)
- ~~Moodle / LMS~~
- Moodle requires too many resources, not freely available, requires a more technical skills - moodle is focused on school wide, iGoogle focus on classroom use by individual
- ~~Social Networking - (Twitter, Ning, Groups, HiFive)~~ It's the second step past iGoogle. Possibility include next time

Content detail:

iGoogle - Google Docs - upload a Calc file, move to a folder (organizing with folders - a basic teacher skills)
create a page, tabs, widgets or stuff (google bookmarks, todo list, google news search, weather)

Design

Structure:

- Instructor led -(DUSON faculty / staff)
- May use Moodle - (Moodle hosting resources - [Link 1](#) and [Link 2](#))
- Active participation of learners- hands-on
- Elaboration of a final product at the end of the workshop

Time frame:

Two days in August: August 19 and 20 (8:00AM-5:00 PM)

Objectives: at the end of the training, the learners should be able to:

- Apply the ADDIE model in the preparation of a Teaching lesson
- Create an educational tool using technology
- Incorporate tech resources into teaching
- Improve use of free and open tools
- inspire more innovation and learning to improve teaching and learning experience
- centralized, personalized place (bookmarks, class materials (images, ppt, handouts) We will use google sites.

Deliverables:

- Teaching PowerPoint
- statement of objectives
- One pager; ADDIE method

- Short tutorial videos for iGoogle, OpenOffice, and Basic Internet skills
- Educational Resources (list of links by categories: Databases, Animation, Simulation, Lectures/presentations, Reference (Choose the best from First training handout)
- Evaluation survey
- Certificate of training
- iGoogle - a Built complete iGoogle page typical of a teacher
- Another Blank / starting iGoogle page account (must be in Spanish,

Resources:

- Computer labs with LCD and Internet access (# of computers)Distribute participants 1-2/computer
- 3 ring folders with printouts
- Each participant to bring their current syllabus and teaching plans for the specific courses (OB/ MQ/F, etc)

Goals:

-

Development

- Prepare teaching materials after final decision is made according to training objectives
- Prepare handouts
- Invite participants
- Reserve computer labs.

4 groups (To be determined / confirmed) - Ob, fundamental skills, medical / surgical , research methods (Lit review, etc.), adult health (cardiovascular, etc.) , public health

- find tools and materials for them to build on their own

- One powerpoint, One website, one RSS feed, one widget

create an account

create an igoogle page

add a widget to iGoogle (must create samples for them to browse and / or show how to search)

add a bookmark

add a calendar widget and calendar item (google scholar, bookmarks, docs, maybe google reader?)

add a google document widget

--->Google documents section

create a document

upload a doc

create a folder

upload a pdf, ppt, odt (open office file)

RSS

Implementation

- Pre-training preparation (arrive at least one hour before, turn computers on, etc)
- Room Setup:(not too much flexibility at computer labs. area for small group activities)
- Day#1:
 - First contact with Students- presentation-icebreaker
 - Present objectives and ground rules
 - AM activities: (TBD- introduction to planning a teaching lesson)
 - PM activities: iGoogle navigation and introduction to tech tools
- Day #2 Apply learned concepts- Create a tailor iGoogle space and create a teaching plan by disciplines- small groups

Evaluation

Survey:

- Informal process evaluation for at the end of first day (green (good), yellow)so-so)and red (to change)
- Final evaluation on process, content and outcomes.