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CIT's Teaching & Learning Team

CIT's five-member Teaching & Learning team works directly with faculty to support technology in education. The T&L Digital Studio, technology workshops, and ALIVE projects are a few of the services offered by the Teaching and Learning team. Additional services are listed below.

Teaching & Learning Projects and Services

*air*Calvin

www.calvin.edu/it/services/wireless

*air*Calvin provides wireless access to Calvin's computer network for all faculty, staff, and students. If you have a laptop computer with wireless capabilities you are able to take advantage of Calvin's growing wireless network.

ALIVE Program

<http://digitalstudio.calvin.edu/alive>

Looking for a way to enhance one of your courses using technology? Don't have the time or resources to devote to it? Talk to one of the members of the Teaching & Learning team about the ALIVE Program.

For only a few hours of your time you'll get:

- a tech savvy student to work on your project
- a cost-free project
- an innovative new technology for your course

The Teaching & Learning Digital Studio promotes the use of instructional technology by providing training, consulting, and funding to ALIVE project teams. You provide the content and project goals, the student provides the technical services, and we'll provide project management and support.

If you already have an idea for an ALIVE project you can submit your proposal online. If you have an idea but don't know if it would qualify as an ALIVE project we would love to talk to you.

ALIVE Projects

The I.T. Connection

http://weblogs.calvin.edu/weblogs/it_connection

Nancy Zylstra of Calvin Information Technology was manually updating the CIT web newsletter for faculty and staff each week, as well as archiving previous articles. Studio students, Aaron Vanderzwan and Emily Brondsema, used Calvin's pilot weblog software to create a weblog for The I.T. Connection. This allows Nancy to easily update the newsletter. They also created an RSS feed to put the headlines of the current newsletter on the CIT homepage.

English 101 Interview Database

English professor Karen Saupe approached the Digital Studio with the hope of improving the collection of interview transcripts that her English 101 students contributed to and use as sources for research. T&L Studio intern, Emily Brondsema, created a web site for English 101 which allows students to easily browse and search the content of the interviews. An extensive user interface allows easy maintenance of the database.



Social Work Interactive DVD

Peter DeJong, a Social Work professor at Calvin, was using a VHS tape and workbook to teach students about social work interview techniques. T&L student José Bolanos digitized the video footage and added subtitles, questions, and cues to guide the students through the exercises via DVD. This project proved successful enough that Peter is now working with Calvin student Scott Miller and a publishing company to produce a professional release of this DVD.



Theologian Questionnaire

Religion Professor Laura Smit came to the Digital Studio wanting to rework an online version of her Theologian Questionnaire, which enables students to answer a variety of questions to determine to which theologian they were most similar. ALIVE student Tim Brom produced an online questionnaire, database, and admin interface that produces immediate results.



Interactive Art Gallery

<http://digitalstudio.calvin.edu/painting>

Art professor Kasarian Dane often showed his classes examples of previous students' artwork for specific assignments. Shown with a slide projector,



students who wanted another look at the examples were usually out of luck. Emily Brondsema designed an online showcase of student artwork utilizing Flash and PHP-based Gallery. Gallery enables Dane to easily maintain the images in the database. In addition, the funky, modern design of the gallery and its smooth interaction provide visitors a window into Calvin's Art department.

Patient Scenario Generator

Nursing professor Karen VanderLaan needed to revise her Lab Skills Competency final exam, which was administrated by giving each student a different patient scenario from a flip book. To ensure that the scenarios are distributed fairly, Studio intern Justin Searls created a PHP-driven Patient Scenario Generator, which assigns each student a randomly selected Patient History, Focused Assessment and Intervention.



Engineering Project Gallery

Engineering professor Matthew Heun was looking for a web-based solution to manage and deliver data collected from student-designed and student-implemented instrumentation systems. Studio students, Aaron Vanderzwan and Emily Brondsema, are testing Calvin's pilot weblog software with Heun to determine if it will make an effective content management system for his students' project web pages.



Digital Video in the Classroom

HPERDS professor Brian Bolt has been making extensive use of digital video in his courses, from using Quicktime movies for motion analysis to requiring students to author video presentations of their projects.



Dormulator

<http://www.calvin.edu/go/dormulator>

Emily Brondsema created the Dormulator in collaboration with Residence Life. It allows students to move and rotate the furniture that will be in their dorm room to see what their room could look like. The Dormulator, though not an academic initiative, demonstrates elements that could be incorporated into an effective learning object.

KnightCite

<http://www.calvin.edu/library/knightcite>

In collaboration with the Hekman Library, Justin Searls created KnightCite, an exhaustive online resource that allows individuals to cite a variety of media using the citation style of their choice, including MLA, APA, and Chicago Style.

Other Active ALIVE Projects

Jill Tatum – Biology Educational Game

Bert Polman – Video Digitization

Kenneth Bratt – Photo Galleries in KnightVision

Joel Adams – Spam Tracking

Paulo Ribeiro – Using Fuzzy Logic Across the Curriculum

Jonathan Bascom – Interactive Geography Quizzes

Don Reynolds – Economics Video Demonstrations

Barbara Carvil – German Language Animations

Dwight TenHuisen – Computer-based Spanish Oral Assessment

“Clickers” – Classroom Performance System

The Classroom Performance System, or “clickers,” is a wireless polling system that allows you to receive instant feedback from each individual in your class. At Calvin we use the Classroom Performance System by eInstruction. This system allows you to measure student comprehension, gather opinions, and even take attendance.

ePortfolios/Content Management

Coming Soon! The new version of KnightVision comes with many exciting features, including:

- Academic ePortfolios: Document academic growth through e-Portfolios
- Content Management: Manage and share files without the need for duplication. Make a change once and watch it replicated in multiple courses.
- Collaborative Creation: Maintain and track versions of documents
- Learning Object Repository: Why reinvent the wheel? Take a look at what your colleagues are using in their course.
- e-Reserves: Maintain e-Reserves, digital versions of copyright-cleared reserve readings
- KV shared work space: Provide dedicated file and content storage areas for individuals and groups in KnightVision

KnightVision

KnightVision, Calvin's eCommunity, brings together academic communities (classes, majors), support services, social activities, and organizations in an easy to use, customizable, online environment. KnightVision is built upon Blackboard's course management and portal technologies. Online course management can be accomplished through this secure web interface by selecting your course under the My Course tab. Information for faculty on advising, submission of grades, class pictures and other course information can be found on the My Resources tab of KnightVision in the Faculty Courses and Advising module. All Teaching & Learning team members are available to work with you in developing KnightVision course content.

Learning New Technologies

Workshops

Throughout the year the Teaching & Learning team offers technology workshops to help you learn new skills or reinforce features that you haven't used for a while. Most of our workshops are offered during the summer months when you have more time available to take our classes and practice your newly acquired skills. We create our workshop handouts in-house so we can show you the features that we use here at Calvin. Workshops include (but are not limited to):

KnightVision

- Course Management in KnightVision
- ePortfolios & Content Management

GroupWise (Mac and Windows)

- Basic email in GroupWise
- Using the GroupWise calendar

Word

- Using the advanced features of Word

Digital Video

- iMovie on the Mac
- Pinnacle for Windows

PowerPoint

- Creating a PowerPoint presentation

Dreamweaver (web page editing) & Fireworks (image editing)

- Using the Calvin templates to create departmental pages
- Using Dreamweaver for creating online course work

LunchBytes and SnackBytes

In addition to our workshops we also offer LunchBytes and SnackBytes. These “show and tell” sessions last about forty minutes and give us a chance to demonstrate the features of various software products while you sit back and relax. If you are interested in learning more you can then sign-up for one of the related workshops. All Teaching & Learning workshops, LunchBytes and SnackBytes are advertised in Calvin News.

Training CDs

Don't have time for a LunchByte, SnackByte or workshop? The Digital Studio has training CDs available for you to check out. Contact any member of the Teaching & Learning team for details.

Mobile Lab

With the mobile lab, you can turn any classroom into a wireless computer lab. These wireless laptops can connect to Calvin's network and the internet.

Teaching & Learning Digital Studio

<http://digitalstudio.calvin.edu>

The Teaching & Learning Digital Studio is a multimedia center where faculty can explore technology, get expert advice or training on how to incorporate technology into the classroom, and pursue project development options. The Studio is staffed weekdays from 8:00 a.m. until 5:00 p.m., and you will always find a Teaching & Learning staff person or student ready and willing to assist you.

The Teaching & Learning Digital Studio offers free assistance, consulting, and support for a variety of software and technologies, including:

- website design & development
- document scanning, OCR, and file conversion
- digital image scanning & editing
- digital video for classroom presentations
- weblogs

By special arrangement, we can also extend our services to the students in your class. Contact us to find out how:

The Teaching & Learning Digital Studio
Hekman Library, Room 121
digitalstudio@calvin.edu
526-5885

The I.T. Connection

<http://www.calvin.edu/it/connection>

The I.T. Connection is your source for all the latest news and events that are happening in CIT that affect the faculty and staff of Calvin College. Watch Calvin News for a link to the latest edition.

Weblogs

<http://www.calvin.edu/it/weblogs/>

A weblog is a journal that is available on the web. The activity of updating a weblog is called "blogging." Weblogs are typically updated daily using software that allows people with little or no technical background to update and maintain the weblog. Calvin is providing a pilot weblog using Expression Engine software.

Weblogging faculty and staff presenters include:

Nathan Bierma

English 101 Written Rhetoric
Calvin College Linguistics
Calvin Institute of Christian Worship

Bonnie Speyers

Aunt Bonnie's Career Catapult

Frank Speyers

IDIS W20 Visual Culture Hawaii Interim

Julie Walton

Pivot – Integration of Faith and Learning in HPERDS Disciples



Nathan Bierma



Bonnie Speyers



Frank Speyers



Julie Walton

Other faculty & staff members who participated in our pilot project

Matt Heun

The South African Miracle: Challenges and Accomplishments in Politics and Industry 2005 IDIS W12

Kate Bowman Johnston

Student Activities Office - Changing the Conversation

Olga Leder

Semester in Honduras - Fall 2005

Rick Zomer & Jill DeVries

Leadership Challenge Institute - Snow Mountain Ranch

Steve Ruis

Admissions Student Weblogs - Reflecting My Life at Calvin

Nancy Zylstra

The I.T. Connection
CIT Summer Workshops

Other CIT Programs

Dial-Up for those traveling for Calvin

<http://www.calvin.edu/it/services/dialup>

If you are a Calvin College or Seminary faculty or staff member you can request a dial-up account to use when you are on the road for Calvin business. Requests will only be granted if you are on official Calvin business for no longer than 2 weeks.

HelpDesk

<http://www.calvin.edu/it/helpdesk/aboutus/>

The goal of the HelpDesk is to provide the Calvin community with timely, knowledgeable, and accurate solutions to hardware, software, cable television and telecommunications needs.

Novell NetStorage

<http://www.calvin.edu/it/services/accounts/novell/netstorage>

Novell NetStorage provides internet access to documents stored on Calvin's network. This allows you to access your network documents from any web browser.

Test Scanning

<http://www.calvin.edu/it/services/testscan>

CIT provides Calvin faculty a comprehensive exam-scoring and reporting service, using machine-readable "bubble" forms and the NCS examSYSTEM II software. We can return a variety of detailed reports which are provided in both printed and HTML formats (the latter being delivered via e-mail). Or, if you chose, we can send the information to you in a comma delimited data file that you can use to create your own reports.

The Take I.T. Home Program

<http://www.calvin.edu/it/services/programs/tih>

Calvin Information Technology extends limited home use of certain software, in compliance with licensing agreements, to faculty and staff members of Calvin College. The Take I.T. Home Program permits the installation and use of Microsoft Office, Macromedia Dreamweaver, and Wolfram Research Mathematica on a personally owned computer for Calvin College, work-related purposes. Seminary faculty and staff members are only eligible for Microsoft Office. The cost of the media is \$10 per CD (except for Mathematica, no charge).

Supporting Articles

Go to <http://digitalstudio.calvin.edu/links.htm> for additional resources on:

- Wireless in the Classroom
- Classroom Performance System (CPS) – Clickers
- ePortfolios
- Learning Objects
- Blackboard Course Cartridges, Building Blocks, etc.
- Copyright

Notes: