

Initiative Report for Bus/CIT 2009-10

Web 2.0 Online Tech/User Courses

Summary:

To develop two courses that address the quickly emerging Web 2.0 market. These two courses address major social networking technologies and uses in an integrated way. Students taking both courses are prepared to work in the marketplace supporting individuals and businesses who wish to make use of social networking on the web.

Description

"The term "Web 2.0" describes the changing trends in the use of World Wide Web technology and web design that aim to enhance creativity, communications, secure information sharing, collaboration and functionality of the web. Web 2.0 concepts have led to the development and evolution of web-culture communities and hosted services, such as social-networking sites, video sharing sites, wikis, blogs, and folksonomies." (http://en.wikipedia.org/wiki/Web_2.0)

Web2.0 Tech - a new course that teaches Networking students to be technicians that know how to install, configure, maintain and support essential social networking (Web2.0) applications.

Web2.0 User - a new course that teaches students to be application specialists in social networking applications.

These two courses are integrated in the applications so students taking them are equipped for both a technical support role and an advanced user role.

Questions and Answers

How is the initiative linked to the Unit Plans most recently submitted?

- 1. How does it continue the achievement of those goals?**
- 2. If this is a continuation of an initiative started last year, make sure that relationship is clear.**

How is this initiative linked to the efficiencies and productivities plans you had last year?

- 1. How does it continue the achievement of these plans?**
- 2. If this is a continuation of an efficiency or productivity plan started last year, make sure that relationship is clear.**

Goals: Curriculum Development

1. CIT has a strong curriculum development focus, both to create new capacity for students as in the Game Curriculum efforts, Network Security certificate, etc. This is a continuation of this effort that creates critically needed workforce Web 2.0 curriculum, both technical and user application skills.

This curriculum will be developed to the maximum extent possible in alignment with Quality Matters goals for online curriculum.

Efficiencies

1. By continuing the push to develop curriculum for online delivery this work helps reduce efficiency constraints imposed by classroom capacity issues.
2. By better meeting student needs with the creation of ancillary online materials that support the instructional lab's tutorial and retention efforts that are ongoing productivity goals.

Describe the resources needed:

Two new classes in web-based social networking that can be taught online:

1. Web 2.0 tech - 100 hours of curriculum development

Request: Carl Perkins (CD) 100 hours

Request: Curriculum Development 100 hours

2. Web 2.0 user applications - 100 hours of curriculum development

Request: Carl Perkins (CD) 100 hours

Request: Curriculum Development 100 hours

What specific measurable program outcomes do you expect to achieve with this initiative? The outcomes should be specific enough to be measurable. Also, outline the method that will be used to determine the results.

There is significant demand for these topics which should generate a minimum of 7.5 fte of new demand.

The success of this outcome can be easily measure by:

- assessing the fill rate of these sections
- data analysis that reveals the extent of new populations served
- data analysis that reveals the extent of popularity of these classes as elective/service classes.

Department Priority:

Unit Resources:

This initiative can be fully supported with existing departmental computers, software, staffing and broad faculty participation with the faculty who are funded to do this development.

Funding Request: Carl Perkins

Is this a Career & Technical Education program approved by the state and offered through Lane for credit?

Yes

If not a Career & Technical Education program, does your request provide considerable support for students enrolled in these programs?

No

Do you have an advisory committee that meets 2-3 times per year?

Yes

If request is for personnel, will funds be used to replace an existing position?

How will funding this initiative increase or sustain the academic achievement and technical skills attainment (GPA of 2.0 or better) of Career and Technical Education students?

Web 2.0 (Social Networking) is increasingly the foundation of business and political process. These classes provide students with the skills to support business entities that need to implement and use these technologies.

How will funding this initiative increase or sustain the number of CTE students that graduate or receive a one year certificate from Lane and help prepare the students for employment?

The Computer Networking 2-yr degree needs the Web 2.0 Tech class to provide graduates with skills needed to implement and support Web 2.0 Technologies across the entire spectrum of business and organizations.

The "Web Design" degree will be in the catalog initially as a "Recommended Course of Study" but soon thereafter as a 1-yr certificate in collaboration with the Art Dept.

Both of these areas immediately support increasing and sustaining the CTE students that receive Network degrees, Network Security Pathways certificate, and the 1-yr Web Design certificate that is in the process of being created.

The preparations for employment are direct given the rapidly expanding use of these technologies.

EQUIPMENT \$

COMPUTER HARDWARE \$

COMPUTER SOFTWARE \$

MATERIALS & SUPPLIES \$

CURRICULUM DEVELOPMENT (Hours)

200

PART-TIME FACULTY \$

TIMESHEET STAFF \$

TRAVEL \$

Can this initiative be partially funded?

Yes

EQUIPMENT \$

(E) Explanation of effect of partial funding:

COMPUTER HARDWARE \$

(CH) Explanation of effect of partial funding:

COMPUTER SOFTWARE \$

(CS) Explanation of effect of partial funding:

MATERIALS & SUPPLIES \$

(MS) Explanation of effect of partial funding:

CURRICULUM DEVELOPMENT (HOURS)

100

(CD) Explanation of effect of partial funding:

Partial funding of 100 hours will support the development of Web 2.0 Tech for the Network degree (but not the Web 2.0 application class that is needed for work with the Art Dept in developing the new Web Design 1-yr certificate).

PART-TIME FACULTY \$

(PF) Explanation of effect of partial funding:

TIMESHEET STAFF \$

(TS) Explanation of effect of partial funding:

TRAVEL \$

(T) Explanation of effect of partial funding:

Funding Request: Curriculum Development

1. List the following information

- **Course Numbers (titles if not currently offered)**
- **Instructor Name(s) who will work on the curriculum development**
- **Whether each of the courses is in, or has been through, the curriculum approval process**

Web 2.0 Tech

Web 2.0 User Applications

Both courses have yet to be through the curriculum development process but will soon be.

2. List each course number (or title) and the materials to be created for each class

- **Instructional goals, objectives, syllabi and outlines**
- **Lab instruction packets**
- **Practice, quiz, presentation &/or demonstration materials**
- **Other (specify)**

Web 2.0 Tech, Web 2.0 User Applications

1. Instructional goals, objectives, syllabi and outlines
2. Lab instruction packets
3. Practice, quiz, presentation &/or demonstration materials
4. Online Moodle site

3. List each course number (or title) and give your timeline for beginning and completing each course curriculum development.

Web 2.0 Tech - Fall 2009
Web 2.0 User - Summer 2009

4. What are up to 3 departmental instructional goals that are met through the development of curriculum in each class?

1. Marketplace relevancy for Network majors
2. Increasing (quality matters) online instruction
3. Increased capacity to meet market demand for web skills

5. List each course number (or title) and give the value of the development of curriculum in each course to other faculty members.

Web 2.0 Tech - valuable technical class for Network Operations, Network Security Cert enhancement, Web Programming degree and Web Design 1-yr certificate (in process).

Also valuable for CIT faculty as a professional development course.

Web 2.0 User Applications - valuable technical class for any program/cert/degree on campus that involves professions that need to work on the web. Valuable class for CIT majors that allows them to take both Web 2.0 Tech and Web 2.0 User Applications and be well rounded in the market place for both installing and supporting modern Web 2.0 (social networking) uses for both business and individuals.

6. List each course number (or title) and say how many students will be served by the development of curriculum in each class.

Web 2.0 Tech - approx 100 initially
Web 2.0 User - approx 200 initially

7. List each course number (or title) and give the specific benefits to students that you expect from the development of curriculum in each class.

Web 2.0 Tech - enable students to install and maintain major social networking software

Web 2.0 User Applications - enable students to support users and make effective personal use of major social networking technologies.

8. List each course number (or title) and give the specific benefits for diversity that you expect from the development of curriculum in each class.

Web 2.0 Tech
Web 2.0 User Applications

It is well established that Web 2.0 technologies are playing a constructive role in providing access/inclusion and voice for diverse populations on the web.

9. List each course number (or title) and give the specific benefits to sustainability that you expect from the development of curriculum in each class.

Web 2.0 Tech
Web 2.0 User Applications

Modern social networking technologies allow for a distributed and asynchronous workforce. This leads to reduced transportation costs, reduced organizational costs, and given the low overhead and margin for increased use, also significant sustainability.

10. List each course number (or title) and give the specific effects on distributed learning that you expect from the development of curriculum in each class.

Web 2.0 Tech
Web 2.0 User Applications

The increasing role of these social networking technologies in Distance Learning is obvious and significant. These technologies directly support distributed and asynchronous communication for a wide range of needs, including education.

Hours requested for Curriculum Development funding:

Please enter the amount of one of the following:

- **100 hours maximum for new development.**
- **70 hours maximum for course revision**
- **50 hours for 3-4 credit conversion**
- **other (use if multiple courses addressed in one initiative**

Do not enter any characters other than numbers and a decimal.

How many hours are you requesting? If there are multiple courses addressed in the initiative, please list each course number (or title) and give the number of hours requested for each course.

200

Can this initiative be partially funded?

Yes

Partially funded curriculum development HOURS requested:

Explanation of effect of partial funding:

Will allow development of Web 2.0 Tech for the Networking, Security and programming degrees. Will not allow development of the Web 2.0 User Application course needed for broader service to other programs and to support the new Web Design curriculum (1-yr).

Funding Request: Technology Fee