

Initiative Report for Adv Tech 2009-10

Drafting - Touch Screens

Summary:

Purchase two Hitachi touch screens for instructor use in CAD classrooms.

Description

Purchase two Hitachi Starboard T17SXLG interactive pen LCD displays, one for each of two CAD computer labs, at a cost of approximately \$1750 each. These screens will allow instructors to add annotations directly on top of content and presentation materials, and to save, print, and share these annotations with students.

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.**

In every unit plan, our focus is to keep our curriculum and technology consistent with current industry practices. It is critical that a program teaching computer technology remain current and relevant. Therefore this initiative is linked to every unit plan we have submitted.

(Note that this technology is already standard in other computer classrooms at LCC and is also standard in computer classrooms at University of Oregon.)

Describe the resources needed:

Computer Hardware

*2 Pen display screens (\$1,750 each)

Request: Carl Perkins (CH) \$3,500

Request: Technology Fee (CH) \$3,500

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.

Drafting instructors present all course content through an LCD projector and computer, or via distance learning over the Internet, using software demonstrations and PowerPoint shows. Currently instructors must provide commentary either by drawing manually on a whiteboard, which must then be erased, or primarily by lecturing verbally, which does not suit all learning styles. This display screen will allow learning to be interactive instead of passive, to be adapted to avenues of inquiry in realtime, and then to be shared with students for later review.

Department Priority:

12

Unit Resources:

None, beyond facilitating installation and brief instructor training on the new equipment.

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?

N/A

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?

Students will be able to see questions answered and discussion topics elaborated in realtime and using graphics as well as words. This initiative supports the pedagogical

philosophy, Show, dont just tell. Instructors will be able to save and print graphic records of class discussions which students can review whenever they like.

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?

This technology will prepare the students for job placement in the community by teaching them the most up-to-date application among industry standards. The program needs to maintain its existing learning environment. This is an effective way to teach all students to prepare them for employment.

EQUIPMENT \$

COMPUTER HARDWARE \$

3500

COMPUTER SOFTWARE \$

MATERIALS & SUPPLIES \$

CURRICULUM DEVELOPMENT (Hours)

PART-TIME FACULTY \$

TIMESHEET STAFF \$

TRAVEL \$

Can this initiative be partially funded?

Yes

EQUIPMENT \$

(E) Explanation of effect of partial funding:

COMPUTER HARDWARE \$

1750

(CH) Explanation of effect of partial funding:

Yes. We could install a touch screen unit in only one of the two CAD computer lab classrooms. It would cause frustration for students and instructors when using the lab without the display.

COMPUTER SOFTWARE \$

(CS) Explanation of effect of partial funding:

MATERIALS & SUPPLIES \$

(MS) Explanation of effect of partial funding:

CURRICULUM DEVELOPMENT (HOURS)

(CD) Explanation of effect of partial funding:

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

Funding Request: Technology Fee

1. Category of request

- **Maintain existing technology**
- **Increase student access to technology**
- **New technology**

Please type in the category of the request in the field below.

New Technology

2. Campus location

- **Main Campus**
- **Downtown Center**

- Florence
- Cottage Grove
- CLC (list specific locations)

Please type in the location of the request in the field below.

Main Campus

3. Names of the person(s) with more information (if needed):

Margaret Robertson at ext. 3143
Dennis Mills, Electronic Services, at ext. 5317

4a. Budget ORGN

612100

4b. Budget PROG

112000

5.How many students will benefit per year?

80

6. Describe the benefit?

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STAFFING \$

INSTALLATION \$

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LICENSING \$

(L) Explanation of effect of partial funding: