

Adv Tech 2011-12

Drafting - #1 - Solid Modeling & Building Information Modeling Online Classes

Summary:

Develop content of current classes to be available online for students.

Description

Produce videos, quizzes and assignments and make the material into an online format for student to enhance FTE for the drafting program and meet the student demand.

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.

Makes subject content of classes available to students who are unable to attend classes on campus.

Last year, DRF 167 and DRF 168 were created for online use and these new classes will expand the number of courses offered online.

Continues to expand the number of Drafting courses offered online.

Describe the resources needed:

200 Hours curriculum development

Wage: \$5,888

OPE: \$1,990

Total : \$7,778

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.

Makes course content available to more students.

Department Priority:

Unit Resources:

There are no unit resources available.

Funding Request: Carl Perkins

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**

DRF 220 online (Building Information Modeling) and DRF 245 (Solid Modeling) : Jon Bridges : Yes.

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)**

DRF 220 online (Building Information Modeling) and DRF 245 (Solid Modeling) : Videos, quizzes and drawing assignments.

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

DRF 220 online (Building Information Modeling) and DRF 245 (Solid Modeling) : Jun 2011 – Sep 2011.

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

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

DRF 220 online (Building Information Modeling) and DRF 245 (Solid Modeling) : Other faculty will be able to access and learn this new software at their convenience.

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

Each term of the year the classes could be made available which could mean 15 students x 3 terms = 45 students x 2 new classes = 90 total students

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.

Students would be able to learn a new parametric modeling program that is rapidly becoming the industry standard for Architectural and Mechanical Drafting.

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.

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.

Each of these new software programs has a built-in function specific to sustainability. Students can see the direct impact of their material choices for each part of the model they create.

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.

More potential to reach more students throughout Oregon.

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?

No

Partially funded curriculum development HOURS requested:

Explanation of effect of partial funding:

Funding Request: Technology Fee