Health Professions 2008-09 Initiative: Enhancing clinical education in health professions programs through technology.

Summary:

This initiative is intended to increase the effectiveness of the demonstration of small fine-motor skills in on-campus laboratory learning for students in all of the Health Professions programs.

Description:

In order to implement this initiative, program faculty need new cutting edge teaching models and teaching technology geared toward promoting effective on-campus laboratory learning experiences for students in all of the Health Professions programs. These learning experiences include the learning of invasive and non-invasive health care interventions which require demonstration to a group of students return demonstration on the part of the students with concurrent evaluation by the faculty teaching the on-campus labs prior to the students performing the interventions on "real live patients" in a variety of clinical areas.

Strategic Direction

- Achieve and sustain fiscal stability.
- Create, enhance, and maintain inviting and welcoming facilities that are safe, accessible, functional, well-equipped, aesthetically appealing and environmentally sound.
- Foster the personal, professional, and intellectual growth of learners by providing exemplary and innovative teaching and learning experiences and student support services.
- Position Lane as a vital community partner by empowering a learning workforce in a changing economy.

Learning Plan Goals

- Address the need for direct student support from faculty and staff as a crucial element of the learning environment
- Create innovative, flexible and collaborative programs that are responsive to current and emerging needs of students and employers.
- Enhance student success and retention

Student Affairs Plan Goals

College Council Priorities

- 1.b. Enrollment Management: Recruitment and Retention
- 4.3 Responding to unit plans/council plans: Enhancing Classrooms
- 5.2 Instructional Redesign: Leveraging Technology

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.*

This initiative is linked to and builds on the Unit Plan in that the Health Professions programs have increased the number of students admitted to Nursing, MOA, DA, DH, RC and EMT, both Basic and Paramedic. This initiative also enhances the quality of the clinical learning experiences for students in all the Health Professions programs.

Describe the resources needed:

In order to implement this initiative, the following resources are needed in the priority listed:

Computer Hardware:
1.) one Elmo with lockable storage cart ($2500)

Computer Software:
1.) Lindsey-Jones Clinical Simulations (28 scenarios included: four batteries of categories: Pediatric, Neonatal, Adult Acute/Trauma, Adult Medical) These scenarios provide immediate student feedback and tutorial features; scenarios are similar to national credentialing examination thus helping students build test-taking skills. ($2780)
2.) ACLS SimMan Scenarios (31 scenarios related to teaching advanced life support taught in EMT and RC) Help students learn advanced life support and prepare for credentialing examinations via self-paced practice. ($3,495)

Equipment:
1.) three Nasogastric Tube-Feeding Models NASCO SB10239UG @ $108.15 each.

($324.45 + $30 shipping/handling= $354.45)
2.) two Wound Care Models NASCO SB30097UG @$295. ($590 + $25
shipping/handling= $615)
3.) Laerdal Airway Mannequin on-campus clinical learning for EMT and RC students.
($1500)
4.) Used Ambulance for teaching EMT course on Communication and Transportation.
Statewide Consortium will make this a requirement by fall, 2008. ($5000)
5.) Zoll 12-Lead EKG and Arrhythmia Generator. Required for preparing EMT
Paramedic students for entry-level skills in profession. ($7500)
6.) one GE Healthcare DINAMAP Pro 100 Monitor #DP110X-US Noninvasive blood
pressure monitoring devise; needed to demonstrate to MOA, RC and CNA students how
to collect and record accurate patient data prior to working with real patients. ($2,812.50
includes shipping/rolling stand/cuffs)

*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.*

The measurable program outcomes we expect to achieve with this initiative are:

1.) The continuation of a completion and success rate for each of our programs at or
above the 95% level.
2.) The continuation of our ability to graduate entry-level practitioners in each of the
disciplines in the Health Professions Division as determined by evaluative feedback from
our major hiring facilities.
3.) The continuation of our ability to maintain the increased numbers of students in each
of the programs within the division as determined by fill rates.
4.) The enhancement of the ability of the faculty of each of the programs within the
division to ensure the individual programmatic and course outcomes as determined by
student test scores, graduate scores on credentialing exams and feedback from
student/graduate surveys.

Department Priority:

2

Unit Resources:

Faculty will take responsibility for learning to use and incorporate the equipment being
requested in this initiative.

The division will pay for one faculty member to attend any required workshops related to
the use of the new equipment and share that information with other program faculty.

The division will maximize the potential of this equipment by scheduling on-campus labs in such a way as to make the equipment available to the maximum number of students in the maximum number of programs.

Carl Perkins Funding Request

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?

This initiative will sustain and possibly increase the academic achievement technical skills attainment of student in the Health Professions Division by providing learning experiences for students which incorporate state of the art technology, both pedagogical and discipline-specific. All of the equipment requested as a part of this initiative is geared toward teaching the technical clinical skills related to each discipline and is intended to facilitate student learning which is expected to increase level of achievement.

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?

In this division there are four programs which result in one year certificates from Lane: DA, MOA, HRT, and EMT-Basic. There are four programs which result in two year associate degrees: EMT-Paramedic, Nursing, RC, and DH. The implementation of this initiative is likely to sustain and possibly increase the number of students who participate in both types of programs and the equipment being requested will be available to students

enrolled in all programs. Therefore, all students will benefit from the use of this state of the art pedagogical and discipline-specific equipment in their on-campus labs. It is reasonable to assume that continually upgrading what is available for teaching clinical skills will encourage students to complete their respective programs and attain entry-level skills in their particular professional areas.

EQUIPMENT $

14969.45

COMPUTER HARDWARE $

2500.00

COMPUTER SOFTWARE $

6275.00

MATERIALS & SUPPLIES $

Question Not Answered

CURRICULUM DEVELOPMENT (Hours)

520

PART-TIME FACULTY $

Question Not Answered

TIMESHEET STAFF $

Question Not Answered

TRAVEL $

Question Not Answered

Can this initiative be partially funded?

Yes

EQUIPMENT $

2469.45

(E) Explanation of effect of partial funding:

The amount listed above is for the equipment ranked first, second and third by all the program faculty. It is for the Nasogastric Tube-Feeding Models ($354.45), the Wound Care Models ($615.00) and the Laerdal Airway Mannequin ($1500.00). These are considered the essential pieces of equipment needed. The Used Ambulance ($5000), the Zoll 12-lead EKG and Arrhythmia Generator ($7500), and the Dinamap Vital Signs Monitor ($2812.50) are needed for teaching essential clinical skills as well, but, given a forces choice, I propose the equipment ranked first, second and third by program faculty.

COMPUTER HARDWARE $

2500.00

(CH) Explanation of effect of partial funding:

The one piece of computer hardware requested by program faculty as a group is the ELMO and locking cart ($2500). It is considered essential for adequate teaching of larger groups of students in on-campus labs.

COMPUTER SOFTWARE $

2780.00

(CS) Explanation of effect of partial funding:

The dollar amount above under Computer Software is the amount for the Lindsey-Jones Clinical Simulations ($2780.00) Because these simulations prepare the students for their national credentialing exam and because the version we currently have has been updated and is no longer usable by students, this is considered essential. The ACLS SimMan Scenarios ($3495.00), while they would enable us to teach skills to more students more efficiently, are not currently available to us and we could continue as we are.

MATERIALS & SUPPLIES $

Question Not Answered

(MS) Explanation of effect of partial funding:

Question Not Answered

CURRICULUM DEVELOPMENT (HOURS)

420

(CD) Explanation of effect of partial funding:

We are asking for 520 curriculum development hours to meet the needs of the division at this time. Of that 520 hours 420 are essential to the maintenance of our programs. The addition 100 hours is for developing a course for which we believe there is considerable community interest (Health Literacy and Communication for Health Professions) and would increase division fte if developed.

PART-TIME FACULTY $

Question Not Answered

(PF) Explanation of effect of partial funding:

Question Not Answered

TIMESHEET STAFF $

Question Not Answered

(TS) Explanation of effect of partial funding:

Question Not Answered

TRAVEL $

Question Not Answered

(T) Explanation of effect of partial funding:

Question Not Answered

Curriculum Development Funding Request

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*

1.) second year nursing courses to meet the requirements of the new OCNE curriculum. A number of faculty on the second year nursing team will be responsible for doing this work. Julia Munkvold, the program coordinator, is the person responsible for assigning

each of these curriculum pieces. Please use her name for the 300 hours being requested for nursing. The courses have not been through the curriculum approval process yet. Course titles and numbers are not yet available. The courses being developed will take the places of Nur 206A and B, Nur 207A and B and Nur 209A and B.

2.) The dental assisting course, Dental Office Procedures, DA 194, is currently in the curriculum. The proposal for this course is to create a hybrid course to enhance student learning and reduce students dropping the course. The request for this curriculum work is for 40 hours. The modification being proposed is to make the course a hybrid while not changing the content or the outcomes. Curriculum approval is not required. Their person doing the curriculum development is Kym Peterson, part time instructor in the Dental Assisting Program.

3.) The nutrition course being proposed is to be called "Sports Nutrition" and will be an on-line course. It currently does not exist and has no number. It has not been through curriculum approval process. The instructor doing the curriculum development is Tamberly Powell, instructor in Nutrition. The number of hours being requested is 40.

4.) The modification of HO 100, Introduction to Health Occupations, needs to be modified in order to accommodate the Physical Therapist Assistant Program currently being developed. The instructor doing the curriculum revision is Julie Bowman, part time instructor in Health Professions. The number of hours being requested is 40.

5.) The development of a course to be titled "Health Literacy and Communication for Health Professions." No course number or title currently exists. This course has not been through curriculum approval process. The instructor developing this course is Julie Bowman, part time instructor in Health Professions.

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)*

1.) For the nursing courses, currently called Nur 206A and B, Advanced Nursing I, Nur 207A and B, Advanced Nursing II, and Nur 209A and B, Advanced Nursing III, Instructional goals, objectives, syllabi and outlines are needed. Various lab instruction materials are required as well.

2.) For DA 194, Dental office Procedures, the changes required would fall under "other" in the above categories. The course will be adapted to be a hybrid course with a modification of some of the learning materials.

3.) For the proposed Nutrition course, Sports Nutrition, some of the curriculum development was done as a part of the instructor's term assignment. The work remaining amounts to about 40 hours of development of syllabi and outlines and learning materials.

4.) For the modification of the HO 100, Introduction to Health Occupations, the work would fall under "other" as well. The course is being modified to include information about Physical Therapist Assistant as a health care discipline.

5.) For the course proposed to be called "Health Literacy and Communication for Health Professions" all of the above categories are required: goals, objectives, syllabi, outline, instructional materials, quizzes, etc. This is proposed as an online course.

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

1.) Revising Nur 206A and B, Advanced Nursing I, Nur 207 A and B, Advanced Nursing II, and Nur 209A and B, Advanced Nursing III will begin in spring term and needs to be completed prior to the beginning of fall, 2008.

2.) For DA 194, Dental Office Procedures, the curriculum work would begin spring term, 2008 and be completed prior to spring term, 2009.

3.) For the Nutrition course, proposed to be called "Sports Nutrition" the curriculum work was begun in fall term, 2007 as a part of the part of the instructor's assignment and would be completed prior to Fall Term, 2008.

4.) For the modification of HO 100, Introduction to Health Occupations, the work would begin in spring term and be completed prior to Fall Term, 2008.

5.) For the course proposed to be title "Health Literacy and Communication in Health Professions, the work would begin in Spring Term, 2008 and be completed prior to Fall Term, 2008.

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

We do not have departmental instructional goals; we have program goals and outcomes at a course and program level. I will write the simple facts about why these curriculum development requests are being made:

1. The nursing courses need to be revised to be in sync with the OCNE Curriculum adopted and approved by the College. It is basically a mandate.

2. In the process of program assessment, students identified DA 194, Dental Office Procedures as a course in need of modification. Both students and instructor find the

current format unengaging and not pedagogically appealing. The course can be improved by creating a hybrid format.

3. Students have been requesting a Sports Nutrition course and we think it will go. Because of the interest of so many community members in fitness and sports activity, it is meeting a need of the community.

4. We are developing a Physical Therapist Assistant Program and that program requires a course called "Introduction to Health Occupations." In the name of non-duplication of effort, it made sense to all of us to modify the existing course to meet the needs of all Health Profession programs.

5. A course on Health Literacy has been discussed for years. At this time of need to increase FTE, it seemed reasonable to meet both needs: respond to community requests and work toward increasing FTE.

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

All of the curriculum development requests proposed in this Unit Plan have gone through a rating system used in this division for at least 15 years: The program coordinators discuss curriculum needs within each of the programs and bring requests to a division coordinators' meeting. In that meeting the curriculum requests are ranked by all of the coordinators who represent all of the programs. The curriculum requests are ranked in the exact order in which they were placed by this representative group. I cannot speak to the exact "value" of each course, but they are ranked in order of importance to the division faculty.

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

Nur 206A and B will serve 81 students per year.
Nur 207A and B will serve 81 students per year.
Nur 209A and B will serve 81 students per year.

DA 194 will serve 30 students per year.

Sports Nutrition course will potentially serve 35 students every term we are funded to offer it.

HO 100, Introduction to Health Occupations currently serves 30 students per term and potentially will serve two sections of 30 students each per term.

The proposed course on "Health Literacy and Communications in Health Care" will potentially serve 30-35 students each term we are funded to offer it.

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.

Nur 206A and B Required for graduation from nursing program
Nur 207A and B Required for graduation from nursing program.
Nur 209A and B Required for graduation from nursing program.

DA 194, Dental Office Procedures Required for graduation for DA program.

Sports Nutrition Course - meet interest and health needs for a segment of the community.

HO 100, Introduction to Health Occupations - Meets interest needs of a segment of the community and meets graduation requirement for physical therapist assistant students.

Course on "Health Literacy and Communication in Health Professions: meets the interest needs of a segment of the community related to understanding the complexities of health care.

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.

Nur 206A and B closed enrollment to second year nursing students only.
Nur 207A and B closed enrollment to second year nursing students only.
Nur 209A and B closed enrollment to second year nursing students only.
I see no direct benefit for diversity in these courses, per se.

DA 194, Dental Office Procedures. This course is being modified in response to feedback from Dental Assisting students. Hopefully, it will be more adapted to a variety of learning styles and be more interesting.

Sports Nutrition course: Will be open to any student who has interest.

Modification of HO 100, Introduction to Health Occupations, will be adapted to include an additional health career.

Offering a course on "Health Literacy and Communication in Health Professions" has the potential to offer a wide variety of members of the community a way to understand the health care system in this country and deal with it more effectively.

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.

I am not able to speak to this criterion.

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.

I am not able to speak to this criterion.

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.

520

Can this initiative be partially funded?

Yes

Partially funded curriculum development HOURS requested:

420

Explanation of effect of partial funding:

If we receive funding for 420 hours we would be able to meet the mandated curriculum development for nursing, the very much needed curriculum development for dental assisting, the funding to offer the nutrition course and the funding to modify HO 100 to meet the needs of the physical therapist assistant program. Not getting the last 100 hours of funding would prevent us from developing the Health Literacy course, which, while there appears to be a market for such a course, would not jeopardize any of our programs.

Technology Fee Funding Request

   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.

Increase student access to 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):

Joyce Godels

4a. Budget ORGN

Question Not Answered

4b. Budget PROG

Question Not Answered

5.How many students will benefit per year?

Approximately 300

6. Describe the benefit?

Students in Nursing, EMT-Paramedic, Respiratory Care, and Medical Office Assisting will be benefited by being able to clearly view demonstrations being done in an on-campus lab by an instructor. Without the ELMO many students in the room are unable to see the fine motor skills required to do the procedures being taught.

COMPUTER HARDWARE $

2500.00

COMPUTER SOFTWARE $

6275.00

STAFFING $

Question Not Answered

INSTALLATION $

Question Not Answered

LICENSING $

Question Not Answered

Can this initiative be partially funded?

Yes

COMPUTER HARDWARE $

2500

(CH) Explanation of effect of partial funding:

This part cannot be partially funded. This is money for the ELMO and locking cart.

COMPUTER SOFTWARE $

2780.00

(CS) Explanation of effect of partial funding:

The above amount is for the Lindsey-Jones Clinical Simulations. This is a series of scenarios providing immediate student feedback and tutorial features and is similar to the national credentialing examination for Respiratory Care graduates thus helping the students with test-taking skills and increasing the likelihood of passing the credentialing exam.

STAFFING $

Question Not Answered

(S) Explanation of effect of partial funding:

Question Not Answered

INSTALLATION $

Question Not Answered

(I) Explanation of effect of partial funding:

Question Not Answered

LICENSING $

Question Not Answered

(L) Explanation of effect of partial funding:

Question Not Answered