

Proposal for ELLI Funds Form

01-08-06 proposal &

Academic Year: 2008-2009

Person(s) Requesting Funds: Ross Rueger, Stephanie Logan, and Math Department

Date: 07/24/2008

Division: Math

05-02
06-07
Lynn

PRESS THE F1 KEY FOR CONTEXT HELP WHEN ENTERING INFORMATION IN THE TABLE FIELDS BELOW. COLUMNS WILL EXPAND TO INCLUDE MORE TEXT.

Planned Action (Brief Description of Project)	Effective Strategy and Practice	New, Change, or Expansion	Expected Outcomes	Assessment/ Dissemination of Results	Target Date for Completion	Responsible Persons/Dept	ELLI Budget Category	Specific Budget Amounts Include Breakdown (or attach)
<p>Hire in-class tutors to work in Pre-Algebra (Math 360/365) and Elementary Algebra (Math 200/205) classes. Instructors will use the in-class tutors for a variety of duties which will enhance the learning experience for the students in those classes.</p> <p>In-class tutors were experimented with during funding from the Carnegie Grant and some very positive findings were beginning to come out of those classes when the funding ended. This project will be a continuation of those projects started under that grant.</p>	<p>D.2. The in-class tutor will help to facilitate several of the effective practices as described on page 44 in the Basic Skills book.</p> <p>D.5 & D. 6. By having the aid of an in-class tutor, the instructor will be better able to provide structured activities and discussions.</p> <p>D.9. The in-class tutor will be able to help monitor the student's progress and provide information to the instructor.</p> <p>D.10. In-class tutors will act as liaisons between students and instructors.</p> <p>#5 of the Implementation Plan for ELI</p>	<p>New</p>	<p>Better and more effective uses of multiple strategies such as interactive lecturing, guided discovery, collaborative learning, etc.</p> <p>Quicker feedback for the students with the help of in-class tutors being able to grade homework and other materials.</p> <p>More student participation in activities.</p> <p>Improved success and pass rates.</p> <p>Improved student success in subsequent math courses.</p> <p>Improved student retention in subsequent semesters.</p>	<p>Instructors will compare test and homework averages from control classes and classes taught in previous semesters.</p> <p>Instructors will compare class pass rates with control classes and classes taught in previous semesters.</p> <p>Effective strategies will be shared with the rest of the math department.</p> <p>Students will be tracked in their following math courses and their success rates will be noted.</p> <p>Students will be tracked to see if they enroll in future semesters.</p>	<p>6/1/2009</p>	<p>Each individual instructor will be responsible for their in-class tutor. For Fall 2008 this includes Mark Tom, Chris Keen, and Don Rose. Other instructors may apply for spring in-class tutors.</p>	<p>2005-2006 Funds from Basic Skills/ESL Tutoring</p>	<p>Please see attached budget breakdown.</p>

Other Required Institutional Resources (e.g. Facilities): N/A

Other Funding Sources: None


Check here if additional narrative (detailed history, need, rationale) is attached: Number of pages attached: 5

Distribution:

- 1. ELI Faculty Coordinator Stephanie Jorgensen
- 2. Division Chairs R.M. Ruv
- 3. Dean Scott D. ...

Budget Committee Approval Approved Approved with Changes Noted Not Approved Resubmit with Changes Noted

Comments:


 Jennifer Vega La Serna, Ph.D. 8/2/08
 Date


 Ron Johnson, Ed.D. 8/2/08
 Date

- apprd for tutor pay
- instructor pay - only prep time
- need program report to Stephanie
- funds for entire year

Budget Breakdown for ELI Proposal for Math Department In-Class Tutors

Total Tutor Funding:

17.5 week semester x 4 hours of class meetings per week = 70 hours

10 meetings with instructor x 1 hour per meeting = 10 hours

Per tutor, this works out to be 80 hours of work for the semester. Seven tutors have been requested for Fall 2008 and we project it will be approximately the same for Spring 2009. A tutor's hourly wage is \$8.00.

80 hours x \$8.00 per hour x 7 tutors x 2 semesters = \$8960.00

Total Instructor Funding:

10 meetings with tutor x 1 hour per meeting = 10 hours

5 hours of time for prep and analysis of outcomes

Per instructor, this works out to be 15 hours of work for the semester. Seven sections have been requested for Fall 2008 and we project it will be approximately the same for Spring 2009. An instructor's hourly overload lab wage is approximately \$52 (this is the high end).

15 hours x \$52 per hour x 7 sections x 2 semesters = \$10920.00

Total budget request for the Fall 2008 and Spring 2009 semesters is \$19880.00

ELI Math Request for In-Class Tutors Support Documents

From Mark Tom:

I would like to propose in class tutors for my following classes:

Math 205 CRN 10427

Math 365 CRN 10491

For each of these classes I would like to request up to 85 hours.

The in class tutor will be used in several ways. First, this tutor will be a liason between the class and myself. Sometimes it is much easier for students to approach their peers or a non authoritative figure, so I feel this will allow me to fully extract any questions my students may be having. I will also ask my in class tutor to "quickly" grade a 3 problem homework assignment everyday. This enables me to provide instant feedback to my students as they will receive this graded homework at the end of the class. If the students still don't understand the problem, I can field questions that same day. And since homework is going to play a major part of their grade this should increase attendance.

Students will know that if they don't turn in the daily Homework they will lose those points for the day. Finally, these in class tutors will help the last half of the hour by circulating around the class to provide individual attention that students need.

I plan to use a control class, which is taught in my traditional format. I will give the same tests, homework, and quizzes. From these grades I will evaluate the effectiveness of the tutors. From my past experience through the Carnegie grant, the tutors should be of great benefit.

Proposal for In-class Tutors Fall 2008
Math 200 (CRNs 10383 and 10389)
Math 360 (CRN 10479)

6/18/08

Chris Keen

I am requesting tutors in all of the above listed courses. These sections are full with waiting lists. I have used tutors in the past in math 360, and have found it extremely effective. I would like to try the same in math 200, and repeat this protocol again in Math 360.

Since our ever-growing class sizes are diminishing individual contact time per student, I will utilize the tutor's skills to help me address as many student needs as possible. The tutor can answer routine math questions and help higher functioning students, freeing up some of my time to establish deeper concepts and to help struggling students overcome more individual learning problems. The range of ability and experience in a remedial class of 40 students makes effective learning nearly impossible for *all* students. As the mission of our college is to provide equal opportunity to learn for all, perhaps between the two of us, this could be realized. Each student can get individual attention each day tailored to their specific needs. Overall quality should improve.

During times when tutor is not helping students, he or she may do some light grading to permit immediate feedback. This is growingly more important for our "digital" learners who have come to expect instant feedback in every aspect of their lives. Further, under my direction, the tutor can create practice tests, answer keys, and other supplementary materials tailored towards individual students who are not grasping concepts as quickly.

Whether we like it or not, the traditional lecture style of teaching is less effective with today's students than in the past. Today's learner expects more flexibility, variety, and interaction. Having an extra set of hands in the room, in particular a student tutor, who is more in touch with the circumstances of other students, makes this more achievable. I will utilize whatever specific strengths the tutor brings to the table to enhance my delivery of material in an attempt to reach all the students in the class.

As the personality of the class emerges, and as we all get to know each other better, the tutor's responsibilities may evolve. The tutor and I will meet periodically to ensure that we are maximizing both our time and skills, and to discuss strategies for specific students that arise during the semester.

Total Hours per section:

Tutor Total hours: 17.5×4 (in class) + 10 (meetings) = 80 hours

Instructor Total Hours: 10 (meetings) + 5 (planning/evaluating) = 15 hours

I will use any (or all) of the following methods to evaluate the effectiveness.

- a) compare retention rates to those from previous sections.
- b) compare success rates to those from previous sections.
- c) compare SLO data to previous data.

- d) administer an exit survey to shed light on harder to measure outcomes (Has their attitude about math improved during the course? Will they attempt this course again if they failed? Have they learned how to study? Are they confident that they can eventually succeed?) The results of the survey will be analyzed to determine whether the tutor's participation impacted the students' *experience* in the course.

As a final note, I have recently seen one "immeasurable" impact of the participation of my tutor from math 360 (spring of 2007). A student from that class returned to visit the tutor and to share his pride and his progress since then. This is a special outcome that will never be measured, and I was only fortunate enough to know about it, because I was there to see it happen.

From Don Rose

Fall 08

Project: Math 360 CRN 10460 or Math 200 CRN 10403 with in-class tutor

Tutor Responsibilities:

- Attend class everyday.
- Assist the students while they are working on problems in class, individually and in small groups.
- Grade the take-home quizzes that are given every one to two weeks.

Assessment:

I will compare the grades of the class with the tutor with those in previous semesters taught without the benefit of a tutor.

Total Hours:

Tutor: 100 hours

Instructor: 20 hours