

Project Title: Cross Discipline 3D Spatial Visualization Course

Project Director: Jeanne Mecorney, Business, Workforce, & Athletics/Multimedia
Department – Cañada College

Project Amount: \$3041.68

Create a 1.5 unit cross discipline online course to prepare women and others to succeed in Math, Computer Science, Interior Design, Geography, 3D Animation and other Science courses. Through our participation in a NSF grant with the National Institute for Women in Trades, Technology and Science studies have shown women are less likely to succeed in these courses due to a lack of experience with 3D spatial visualization. This will cover different techniques for representing and visualizing three dimensional objects including isometric and orthographic drawings, flat patterns, rotations, reflections, symmetry, cutting planes and cross sections, and surfaces and volumes of revolution.

TRUSTEES' FUND FOR PROGRAM IMPROVEMENT

APPLICATION FORM


2006-2007

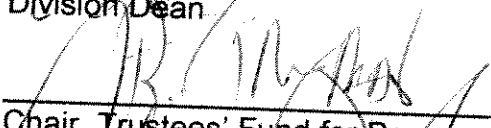
2007-2008


PROJECT TITLE: Cross Discipline 3D Spatial Visualization Course

PROJECT DIRECTOR: Jeanne Mecorney

DIVISION: Business Workforce Athletics : MULTIMEDIA ART & TECHNOLOGY

APPROVED BY: 
Division Dean

APPROVED BY: 
Chair, Trustees' Fund for Program Improvement Committee

APPROVED BY: 
College President

Applicant Notified: _____
Date

Final Report Submitted: _____
Date

TRUSTEES' FUND FOR PROGRAM IMPROVEMENT

2006-2007

COVER SHEET

All applicants must complete this cover sheet.
Please attach to fund application form.

NAME Sean Macerney DIVISION Business Workforce Athletics APPLICATION DATE 3/13/08
AMOUNT REQUESTED \$ ~~3,463.68~~ total 3037.23

BRIEF STATEMENT REGARDING PROPOSAL:

Brief Description:

Create a 1.5 unit cross discipline online course to prepare women and others to succeed in math, computer science, Interior Design, geography, 3D animation and other science course. Through our participation in a NSF grant with the National Institute for Women in Trades, Technology & Science studies have shown women are less likely to succeed in these courses due to a lack of experience with 3D spatial visualization. This will cover different techniques for representing and visualizing three dimensional objects including isometric and orthographic drawings., flat patterns, rotations, reflections, symmetry, cutting planes and cross sections, and surfaces and volumes of revolution.

I understand that if this request is approved, I must **submit a written evaluation** of that accomplished to the approving committee chair **within one month** upon completion.

Signature 

I do do not recommend approval

Signature  Division Dean

Date 3/08

SAN MATEO COUNTY COMMUNITY COLLEGE DISTRICT
DISTRICT ADMINISTRATIVE SERVICES OFFICE

PROJECT BUDGET REQUEST

Project Title: Cross Discipline 3D Spatial Visualization Course
Date: March 10, 2008

The budget for this project must be designated in the following appropriate categories:

1310	Teaching Salaries (hourly)	\$	<u>7</u>
1451	Counselor Salaries (hourly)	\$	
1495	Other Certificated Salaries (hourly) ^{\$ 51.20 x 53.0 HR =}	\$	<u>2713.60</u> <u>5148.70</u>
2392	Student Assistant	\$	
2394	Clerical Assistant (hourly)	\$	
3xxx	Benefits (estimate 10% each for categories 1310, 1451, 1495, 2394) ^{12%}	\$	<u>314.88</u> <u>325.60</u>
4420	Instructional Media supplies	\$	
4510	Office Expenses	\$	
4580	Central Duplicating Charge	\$	
5110	Consultant Services (Independent Contractors)	\$	
5120	Lecturer Services	\$	
5211	Conference Expense	\$	
5220	Mileage	\$	
5690	Contracted Services	\$	
5694	Contracted Services (Printing)	\$	
5820	Postage	\$	
6450	Equipment	\$	
	TOTAL	\$	<u>3463.68</u> <u>3039.23</u>

[Signature]

REVIEW OF PROJECT PROPOSAL

Project Title Cross Discipline 3D Spatial Visualization Course
College Contact Person Jean McCorney Telephone 3330
Proposed Grant Funding Source _____

ABSTRACT FOR BOARD REPORT

- a) What are the goals and objectives?
- b) What is the need?
- c) What is the procedure to accomplish goals and objectives?
- d) Starting and completion dates
- e) Budget amounts from funding source and from local College funds encumbered

Abstract

- a) To prepare women and other students to succeed in science, math and animation courses
- b) Studies show that a lack of 3D visualization skills puts women and others at a disadvantage in such careers as animation, architecture, biology, computer programming, engineering, geology, interior design and video game creation
- c) To create a cross discipline course with the departments of Multimedia, Biology, Engineering, Math, Interior Design and the Learning Center.
- d) April 2008 for a Fall 2008 course offering.

DISTRICT OFFICE USE ONLY

College President

Date