**Santa Barbara City College**  
**Academic Senate**  
**Improvement of Instruction Committee**  
**Improvement of Instruction Projects: 1975-76**  
**Distribution of Funds**  
**June 5, 1975**

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SANTA BARBARA CITY COLLEGE

ACADEMIC SENATE

IMPROVEMENT OF INSTRUCTION COMMITTEE

PRIORITIZATION OF IMPROVEMENT OF INSTRUCTION PROJECTS

SPRING 1975

1. Continue the Support for Programmed Laboratory Instruction in Biology ........................................ $ 1,003.20

2. Development of an Interdisciplinary course ................................................................. 5,034.78

3. Video-taping and Student Involvement in the Legislative Process ........................................ 2,404.33

4. Planning and Production of Materials for Literature Courses ............................................. 700.00

5. Visual Materials for Interdisciplinary Courses and the Humanities ....................................... 1,490.00

6. Planning, Preparation, and Production of Algebra Video-tapes ............................................ 740.64

7. Compressed Speed Technique of Instruction ................................................................. 600.00

8. Computer Display Terminal for Accounting and Sciences .................................................. 5,216.28

Sub Total ........................................................................................................................................ $17,099.23

Balance to Be Carried to 1975-76 Projects .............................................................................. 400.77

Total Allocated ................................................................................................................................. $17,500.00
ABSTRACTS OF PROJECTS

PRIORITY I

PROGRAMMED LABORATORY INSTRUCTION IN BIOLOGY I - PART II

The project planned for this summer is to continue work on and complete the series of programmed laboratory units of Biology I, which I worked on last summer. The final product will be 15 programmed laboratory units which can be offered as an alternative to the existing Biology I program. So far I have completed 7 units of instruction. This summer, with assistance, I hope to be able to complete 8 additional units. The units would then be available for use on an experimental basis next year. Details of the project are explained in the appended report to the Board of Trustees given December 13, 1973.

PRIORITY 2

Proposal for the development of an interdisciplinary course covering historical, political, socio-economic, scientific-technological, philosophical, and artistic influences on our society.

The teachers, Dunn, Frakes, Hohenberg, and Schuler, propose to develop an interdisciplinary course, which will be taught later by the same teachers after course approval. The interdisciplinary course will cover historical, political, socio-economic, scientific-technological, philosophical, and artistic influences on our society. Its purpose is to develop in the students self-awareness, values, ethical discrimination, aesthetics, and abilities to organize and integrate facts, ideas, concepts, and values. The course is to be designed so as to meet the M degree requirement in three broad areas of the Title V ruling. The teachers propose to prepare a very

* As submitted to the Improvement of Instruction Committee.
detailed working schedule, a comprehensive reading list meeting the inter-
disciplinary needs, a course of study outline, and to determine the number
of units and hours per week, as major objectives. The development will be
during the summer session of 1975 and it is proposed that the funding should
be at the level, per teacher, equivalent to the summer session salary for
a three unit course.

PRIORITY 3
STUDENTS AND THE LEGISLATIVE PROCESS

This proposal seeks to examine the feasibility of developing a summer
course which would permit students to observe and, to a limited extent,
participate in the legislative process on "location" in Sacramento. As a
first step in this process of examination, I propose to take a limited
number of students to Sacramento this summer for a two week period. Videotape coverage of the experience will allow about 600 students enrolled in
Political Science 3 to share this experience when they return to the campus
in the Fall. Students, legislators and members of the Political Science
Department will evaluate the experience and make a report/recommendation
to the curriculum committee in the Fall, 1975.

PRIORITY 4
PLANNING AND PRODUCTION OF MATERIALS FOR LITERATURE COURSES

I will prepare multi-media material for German 32: German Literature
in English Translation. I will copy a slide/tape presentation on "The Life
and Times of Herman Hesse" (a program which was produced at UCSB for
Dr.Gottschalk) and prepare a similar presentation of "The Life and Drama
of Berthold Brecht".
PRIORITY 5

PRODUCTION OF VISUAL MATERIALS FOR INTERDISCIPLINARY COURSES IN SCIENCE AND THE HUMANITIES

The multidisciplinary nature of courses in the history of science, history of technology, and the interaction of science and society places great demands on the instructor's ability to communicate a complex network of abstract concepts, historical background, biographical detail, scientific activities, and technological objects and processes. Unfortunately, because these courses are a very new development in college and university teaching, visual materials are scarce and difficult to develop. The present proposal is a request for funds to support the development of visual materials (35mm slides) designed specifically for these courses. These visual materials would be used both in the classroom to supplement standard lectures and as the visual component of independent study multi-media packages. The multi-media packages would be available for use in the interdisciplinary courses and in more traditional courses in the sciences and the humanities as supplementary independent study materials.

PRIORITY 6

REQUEST FOR FUNDS FOR PREPARATION OF ALGEBRA VIDEO TAPES

This project will consist of the preparation of between 18 and 25 ten-minute video tape cassettes. The tapes will be stored in the Learning Resources Center for general student use. The subject material will be various topics from the Math 7 (first year high school algebra) syllabus, the tapes may be used for review, for out-of-class help in problem areas, for a supplement to algebra in-class work, for self-study, and as a
reference for teachers in other subject areas whose students need a quick
run-through of an algebra technique. The estimated cost of the project is
$350. It will be completed between April 15, 1975 and July 1, 1975 so as
to be ready for use in Fall 1975.

PRIORITY 7

COMPRESSED SPEED TECHNIQUE OF INSTRUCTION

During the past year the electronic apparatus needed to provide elec-
tronic editing and compression of recorded speech has become inexpensive
enough to allow educational institutions to take advantage of the potential
of this process. With the opening of the new learning center it is anti-
ipated that more students will be using pre-recorded audio cassettes for
self-study and as components of individualized instruction programs. This
apparatus would allow students to select the speech rate they find most
comfortable and effective for them and to work with audio material recorded
at that rate.

PRIORITY 8

TEACHING ACCOUNTING AND SCIENCE COMPUTER DISPLAY TERMINALS

Computer driven video display terminals will produce answers to a vari-
iety of accounting problems. The accounting student will be able to input
variable data into preprogrammed accounting algorithms and see results dis-
played on the TV-type screen almost instantaneously. The student may then
be able to select between alternate data inputs and even alternate account-
ing techniques to determine optimum results. When the student has deter-
mined that he has produced the correct answer, he will exercise the option
to produce printed results for instructor credit. Answers may also be pro-
duced in graphic form.
### Project Recipients

1. Robert Profant, Life Science ........................................ $ 1,003.20
2. Harold Dunn, Music Department ................................. 1,266.96
   George Frakes, History Department ............................ 1,266.96
   Margaret Hohenberg, German .................................. 1,233.90
   Frederic Schuler, Physical Science & Engineering ........ 1,266.96
3. Peter O. Haslund, Political Science .......................... 2,404.33
4. Susanne Culler, Foreign Languages .............................. 700.00
5. Robert Carmean, Physical Science Instructional Development Consultant ............................. 1,400.00
6. Elizabeth Hodes, Mathematics ................................... 740.64
7. Robert Carmean, Physical Science Instructional Development Consultant ............................. 600.00
8. Ralph Schiferl, Business ........................................ 5,216.28