1. Name: Katz, Ilene  
   Last: S  
   First: I


3. Number of Years of Full-Time Consecutive Service at Chalone College: 22

4. Time period requested for this proposed leave. (Give inclusive dates): Spring 2012, January 2012 through May 2012

5. Please check which of the following methods you will use to meet the criteria for a sabbatical. Note that "E" is a combination of two or more of the first four.

   [ ] A. Advanced Academic Study: In your statement in Item 7, include a detailed description of the course of study or research project to be undertaken. A letter of acceptance from the institution to be attended or a letter of acceptance from the individual who will direct the study needs to be forwarded to the committee prior to the commencement of the sabbatical.

   [x] B. Independent Research or Study: In your statement in Item 7, include a detailed resume of the study or project to be undertaken.

   [ ] C. Travel: In your statement in Item 7, include a comprehensive itinerary of your travel plans.

   [ ] D. Employment: In your statement in Item 7, include a complete description of the duties to be performed during the period of employment. Give the inclusive dates of the period of employment. Attach a letter from the employer which confirms the employment and states the salary to be earned.

   [ ] E. A combination of the above activities: In your statement in Item 7, explain carefully how the activities are related and the special results that can be expected. Describe in detail the combination plan in which you are interested.

   [ ] F. Other.

6. On a separate page, write an abstract of this proposal—not to exceed 200 words. This abstract will be presented to the Board of Trustees if this application is recommended for approval.

7. Narrative Description of the Proposed Program—not to exceed five pages. Provide comprehensive information about the type of program you selected in part 5. Include detailed information showing how the proposed program will aid or improve the execution of your assigned professional duties and the specific benefits to be accrued to the division/department, district, and students. Explain why a sabbatical leave, rather than other approaches, is required to accomplish the stated purpose. Disclose all information relative to any compensation you will receive during the leave period, other than expense reimbursement, whether from employment, grant, fellowship or any other source which is an integral or related part of the leave program.

- 2 -
To Be Completed by Division Dean before the Application is Submitted:

[ ] I support this application  [ ] I do not support this application

Comments: ___________________________

[Signature of Division Dean]

I submit this application with the understanding that I shall be bound by the policies and regulations of the Fremont-Newark Community College District and the Laws of California relating to the granting of Sabbatical Leaves of absence.

[2/8/10]  
[Signature of Applicant]

FOR COMMITTEE USE ONLY

[ ] Recommended    [ ] Not Recommended

_________________________________________  _______________________________________
VPI  CHAIR

To those applicants whose proposals are not recommended:

[ ] Due to the intense competition this year, your proposal was not approved. Please consider re-applying in a future year.

[ ] If you wish to resubmit this proposal in a future year, it will require revision in order to show that it meets the following criteria as listed on page one:

[ ] A  [ ] B

[ ] Recommended    [ ] Not Recommended

Comments: ___________________________

[Signature of Superintendent/President]

[ ] Approved  [ ] Not Approved

Action taken by Governing Board __________________________ Date
OHLONE COLLEGE
MEMORANDUM

TO: Members of the Sabbatical Leave Committee
FROM: Ilene Katz (Sam)
DATE: December 11, 2010
SUBJECT: Sabbatical leave request for spring semester 2012

6) Abstract: I respectfully request a sabbatical leave for the spring 2012 semester so that I may research, investigate, and create a learning community for Athletes, incorporating the effects of physical activity on learning outcomes.

I have been working to improve learning outcomes for Algebra Students. The Math department has realized an improvement in student success and retention, but there are some approaches to teaching Algebra incorporating physical activity that requires a great deal of time to investigate and implement. The time for this is not available while carrying a full time load. There is research that shows that exercise promotes growth of new brain cells in the hippocampus, increasing the ability to learn, especially for things that students find difficult. My plan is to read the book “Spark”, which is about the effects of physical activity on learning, and how to incorporate physical activity into course work. I also plan to find out which schools and colleges have such programs, contact people who have implemented these types of programs, and find out what does and does not work. After the acquisition of the new knowledge mentioned above, I will use this information to modify our existing Algebra course into a learning community for athletes, incorporating physical activity, and applications involving sports and health.
7. **Narrative Description of the proposed Program**

I am very interested in how people learn, how brains work, the body-mind connection, and how learning math is different and the same as, learning other subjects. I want to learn how physical activity improves learning.

To achieve this, I propose that I read the book "Spark" and research existing programs that incorporate physical activity into course work to improve learning.

I have been working to improve learning outcomes for Algebra Students. The Math department has realized an improvement in student success and retention, but there are some approaches to teaching Algebra incorporating physical activity that requires a great deal of time to investigate and implement. The time for this is not available while carrying a full time load. There is research that shows that exercise promotes growth of new brain cells in the hippocampus, increasing the ability to learn, especially for things that students find difficult. My plan is to read the book "Spark", which is about the effects of physical activity on learning, and how to incorporate physical activity into course work. I also plan to find out which schools and colleges have such programs, contact people who have implemented these types of programs, and find out what does and does not work. After the acquisition of the new knowledge mentioned above, I will use this information to modify our existing algebra course into a learning community for Athletes, incorporating physical activity, and applications involving sports and health.

Accommodating diversity within the student population is one of our biggest challenges. By increasing success among the algebra students and athletes, there will be an increase in success in students of diverse ethnic backgrounds, and among the learning disabled students. I would love to have this time to improve my instructional methodologies and to educate myself regarding the use of physical activity to improve learning outcomes. The quality of the execution of my assigned professional duties, including the teaching of Algebra, would improve if I could have the time to research and implement instructional methodologies integrating physical activities into the course work. Allowing this time for me to improve professionally in this way will benefit me, the students, the math department, and Ohlone College.

A. **Specific Objectives of Sabbatical:**

1. Read the book "Spark"

2. Research the currently available examples of physical activity used to improve learning outcomes at a variety of schools

3. Decide what instructional methodologies, approaches, and concepts are applicable to our Algebra classes. Determine what revisions should be made to the existing course to incorporate the physical activity in an effective way

4. Identify and contact colleges that have a physical activity component in their courses
5. In the event that no models currently exist for Algebra which can be effectively incorporated into our Algebra Course, I will study other types of courses and modify the physical activity components to fit an algebra class.

6. I will work with Kenn Waters, or another counselor, to implement the learning community for athletes.

7. Create a reference for teachers of Algebra suggesting effective approaches for the use of physical activity in teaching and learning.

8. Investigate the possibility of effectiveness of a similar approach for students who are not athletes.


B. The following goals illustrate the value of this project to the students and the college:

1. Increase the teacher’s knowledge of how learning is increased by the use of physical activity based on the study of reports on current research, contemporary and experimental programs, and new materials.

2. Increase enthusiasm in Algebra classes due to the inclusions of items of interest to the students.

3. Increase understanding of Algebra by students.

4. Improve retention of Algebra students.

5. Increase interest in Algebra classes.


7. Increase in teacher’s enthusiasm and knowledge of teaching techniques, leading to an increase in enthusiasm of math students.

8. Increase self-esteem of students.

9. Improve moral of math students through improved techniques and improved success rates.

10. Increase satisfaction of students with the educational experience and the institution.

11. Increase satisfaction of faculty.

12. Students will increase algebraic thinking skills because of strategies learned by the instructor.
13. More energetic and motivated faculty

14. Greater engagement in teaching

15. Greater engagement in learning

16. Increase teamwork in learning Algebra, which improves success rates and comfort levels of students

I do not anticipate any compensation during the leave period other than the portion of my salary that I would receive from Ohlone for the sabbatical.

It is extremely fulfilling and exciting for me when I come to understand a theory of learning or teaching that is new to me. I look forward to opportunity to submerge myself in learning. I hope that the Sabbatical Committee will help me achieve this goal by granting me a sabbatical leave for the spring 2012 semester.
Hi Connie:
I would like to provide the following words of support for Ilene (Sam) Katz for her sabbatical leave request.
Thank
Kenn

This is to inform you that Ms. Ilene (Sam) Katz and I have discussed the idea of not only having more math instructors involved with the academic development of athletes but most particularly we spoke of developing a math Learning Community for student athletes. To be honest our initial conversation goes back a few years to the time of the first Learning community in English for student athletes. Until now, it seemed like the idea of designing a math component community that would attract student athletes were beginning to wane. Learning of Sam's upcoming sabbatical is now encouraging and I whole heartily support this effort to construct one.
Kenn A. Waters