Date:       June 1, 1983
To:         Presidents
From:       Harry Harmon
            Executive Vice Chancellor

Subject:    Executive Order No. 416
            Determination of Competence in Entry Level Mathematics

I am transmitting to you five copies of Executive Order No. 416 which establishes policies and procedures for the development and implementation of entry level mathematics competence programs.

The President has the responsibility for implementing this Executive Order and for maintaining the campus repository and index for all Executive Orders.

Please address any questions regarding this Executive Order to the Vice Chancellor, Academic Affairs.

HH:md

Attachments

Distribution:

Vice President, Academic Affairs
Chairs, Local Academic Senates/Councils
Deans, Directors of Admissions
Deans, Undergraduate Studies
Chancellor's Office
Executive Order No. 416

THE CALIFORNIA STATE UNIVERSITY
Office of the Chancellor
400 Golden Shore
Long Beach, California 90802

Executive Order No: 416
Title: Determination of Competence in Entry Level Mathematics
Effective Date: Fall Term 1983
Supersedes: Parts of Executive Order 338

This Executive Order is issued pursuant to Title 5, California Administrative Code, Sections 40405.1-40405.4, specifically Sections 40405.1 and 40405.4, and Sections 1 and 2 of Chapter III of the Standing Orders of the Board of Trustees of The California State University.

This Executive Order supersedes the portion of Executive Order 338, Part III, A and B pertaining to mathematics competence to be demonstrated by entering college students. This order adopts more specific, systemwide procedures. This Executive Order shall be effective for undergraduate students entering under the 1983-84 catalog or bulletin or thereafter.

1. Each entering CSU undergraduate student shall demonstrate minimum competence in mathematics by earning a passing score on the CSU Entry Level Mathematics (ELM) Examination except those who qualify for exemption as described below. First-time freshmen can qualify for an exemption on the basis of satisfactory performance on examinations recommended as equivalent by the CSU Entry Level Mathematics Examination Development Committee. These examinations and the required minimum score are described in Addendum A. Transfer students can qualify for an exemption either on the basis of satisfactory performance on an equivalent examination as described above or by having completed the General Education-Breadth Quantitative Reasoning Requirement provided it is at the level of intermediate algebra or above with a grade of C or better.

2. The Chancellor shall appoint from the mathematics faculty a CSU Entry Level Mathematics Examination Development Committee who shall review and revise the ELM exam at least annually. It shall determine the passing score on the ELM examination which shall be applied uniformly throughout the system. That score and the nature and level of examination exemptions shall be reviewed annually by the same committee.

3. Each student subject to the ELM examination shall be encouraged to take it as soon as possible after being admitted. Campuses, however, shall require the student to do so before the end of the first semester or the first two quarters of enrollment. A student who does not take the examination shall be subject to the provisions of Executive Order 393 which authorizes campuses to apply sanctions to students who do not comply with academic policies. Campuses may grant one term exemptions where students can demonstrate that circumstances beyond their control prevented their taking the ELM examination.

4. Campuses shall insure that students who do not demonstrate the requisite competence be required to take timely steps to overcome their deficiencies, culminating in a successful repeat of the ELM examination or a retired form of the CSU ELM examination approved by the ELM Examination Development Committee.
5. Campuses shall permit entering students to enroll in courses which meet the General Education-Breadth Requirement for Quantitative Reasoning only after they have demonstrated competence in entry level mathematics. Campuses are free to designate other courses for which satisfaction of the entry level math requirement is prerequisite.

6. Campus procedures established under Executive Order No. 338, Section III, dealing with mathematical competence, may continue to be applied to students enrolled before the effective date of this Executive Order.

W. Ann Reynolds, Chancellor

Date: June 1, 1983
Addendum A

Exemption for satisfactory performance on an alternate examination — students will be exempted from the ELM examination for having performed at or above the level specified below in the following examinations:

<table>
<thead>
<tr>
<th>Score</th>
<th>Examination</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>Advanced Placement Math (AB or BC)</td>
</tr>
<tr>
<td>530</td>
<td>SAT-M</td>
</tr>
<tr>
<td>23</td>
<td>ACT Mathematics</td>
</tr>
<tr>
<td>520</td>
<td>College Board Math Achievement, Level 1</td>
</tr>
<tr>
<td>540</td>
<td>College Board Math Achievement, Level 2</td>
</tr>
</tbody>
</table>