



April 17, 2015

MEMORANDUM VIA E-MAIL

TO: Randolph G. Moore, Chair
Board of Regents

Reed Dasenbrock, Vice Chancellor for Academic Affairs
University of Hawai'i at Mānoa

FROM: Ron Bontekoe, Chair
Mānoa Faculty Senate

RE: **Resolution Regarding Replacement of the Foundations Symbolic Reasoning (FS) General Education Core Requirement with a Foundations Quantitative Reasoning (FQ) General Education Core Requirement**

The Mānoa Faculty Senate approved the **Resolution Regarding Replacement of the Foundations Symbolic Reasoning (FS) General Education Core Requirement with a Foundations Quantitative Reasoning (FQ) General Education Core Requirement** at the April 15, 2015 Senate meeting with 35 votes in favor, 9 opposed and 1 abstained. The resolution is attached.

The General Education Committee (GEC) and the Committee on Academic Policy and Planning (CAPP) reviewed the issue and provided a report to the Senate at the April 15, 2015 Senate meeting. You can access additional information pertaining to this resolution at the following links:

- Documents Index
http://www.hawaii.edu/uhmfs/documents/2014_15/20150415_reso_OR%20resolution.html
- Minutes Index
<http://www.hawaii.edu/uhmfs/committee/standing/gec.html#minutes> (GEC)
<http://www.hawaii.edu/uhmfs/committee/standing/capp.html#minutes> (CAPP)

Please feel free to contact me if you have any questions or need additional information.

Handwritten signature of Ron Bontekoe.

Ron Bontekoe, Ph.D., Mānoa Faculty Senate Chair

Handwritten signature of Ashley Maynard.

Ashley Maynard, Ph.D., Mānoa Faculty Senate Secretary



Presented to the Mānoa Faculty Senate by the General Education Committee (GEC) for a Senate vote at the April 15, 2015 Senate meeting. Approved by the Mānoa Faculty Senate on April 15, 2015 with 35 votes in support of approval, 9 votes against approval, and 1 abstention.

A RESOLUTION REGARDING REPLACEMENT OF THE FOUNDATIONS SYMBOLIC REASONING (FS) GENERAL EDUCATION CORE REQUIREMENT WITH A FOUNDATIONS QUANTITATIVE REASONING (FQ) GENERAL EDUCATION CORE REQUIREMENT

WHEREAS, many students at the University of Hawai'i at Mānoa struggle with quantitative topics and skills both in class and after graduation; and

WHEREAS, the Foundations Symbolic Reasoning (FS) requirement in the current General Education core does not mandate adequate quantitative skills; and

WHEREAS, students in non-STEM fields may therefore graduate with little or no quantitative training; and

WHEREAS, such a lack of training can negatively impact their upper-division studies as well as their post-graduation success; and

WHEREAS, the Western Association of Schools and Colleges (WASC), the body that accredits the University of Hawai'i at Mānoa, now requires quantitative reasoning to be part of the required undergraduate curriculum; and

WHEREAS, the Quantitative Reasoning Working Group (QRWG) was chartered jointly by the Mānoa Faculty Senate and the Vice Chancellor for Academic Affairs, and has been meeting for over a year to develop a plan to address the issues listed above; and

WHEREAS, the QRWG has proposed a definition of quantitative reasoning as well as hallmarks that quantitative reasoning courses would need to meet;

THEREFORE, BE IT RESOLVED THAT

1) the Mānoa Faculty Senate recommends that the current Foundations Symbolic Reasoning General Education core requirement be replaced by a Foundations Quantitative Reasoning General Education core requirement to be implemented with the Fall 2018 Freshman class; and

2) the GEC be charged with developing appropriate hallmarks to be brought before the MFS for approval as soon as possible.