THE SENATE TWENTY-FIFTH LEGISLATURE, 2009 STATE OF HAWAII

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S.R. NO. 105

MAR 1 8 2009

SENATE RESOLUTION

REQUESTING THE UNIVERSITY OF HAWAII SYSTEM, IN CONSULTATION WITH THE COUNCIL OF CHIEF ACADEMIC OFFICERS, TO DEVELOP A COMPREHENSIVE APPROACH TO THE TEACHING OF ENGINEERING AT UNIVERSITY CAMPUSES STATEWIDE.

1 WHEREAS, the State's economic development goal of 2 encouraging an innovation-based economy relies on workforce 3 proficiencies in science, technology, engineering, and 4 mathematics and requires that students have broad opportunities 5 to learn the advanced skills necessary to succeed in a more 6 complex society; and

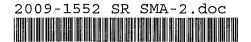
8 WHEREAS, currently the University of Hawaii System offers a 9 number of engineering programs statewide, ranging from applied 10 technical education programs at the Community Colleges to 11 Bachelor, Master, and Doctoral Degree programs at the University 12 level; and

14 WHEREAS, further development of engineering programs is a
15 matter of statewide concern and would provide wide-ranging
16 academic and economic opportunities for the State; and

18 WHEREAS, additional engineering programs would address 19 state needs for a skilled workforce with both experience and 20 training in high priority areas for science and technology 21 economic development in the State; and

WHEREAS, additional engineering curriculum offerings would allow the University of Hawaii System to excel in applied and basic science, technology, engineering, and mathematics research fields that provide the hands-on experiences essential for its graduates to be competitive in the global discovery and innovation enterprise; now, therefore,

BE IT RESOLVED by the Senate of the Twenty-fifth
Legislature of the State of Hawaii, Regular Session of 2009,
that the University of Hawaii System, in consultation with the
Council of Chief Academic Officers, is requested to develop a



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1	comprehensive approach to the teaching of engineering at	
2	University campuses statewide; and	
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4	BE IT FURTHER RESOLVED that in developing a comprehensive	
5	approach to the teaching of engineering statewide, the	
6	University of Hawaii System and the Council of Chief Academic	
7	Officers are requested to include, but not be limited to the	
8	following considerations:	
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10	(1)	An assessment of engineering academic and workforce
11		needs in the State;
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13	(2)	The cost of program implementation on a statewide,
14		campus-by-campus basis, including the current
15		budgetary environment, initial implementation, and a
16		review of continuing operational costs;
17	(2)	
18	(3)	Potential articulation and transfer among campuses;
19 20	(A)	Jendemia considerations such as essentiation and
20	(4)	Academic considerations, such as accreditation and
21		faculty availability, and how the effort fits with existing or planned programs at other campuses;
22 23		existing of praimed programs at other campuses;
23 24	(5)	An evaluation of the current proposals to establish an
2 4 25		applied engineering program at the University of
26		Hawaii at Hilo and an engineering technology program
27		at Maui Community College; and
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29	(6)	A proposed implementation schedule; and
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31	BE IT FURTHER RESOLVED that the University of Hawaii System	
32	is request to submit its findings and recommendations, including	
33	any budgetary requests and proposed legislation, to the	
34	Legislature no later than twenty days prior to the convening of	
35	the Regular Session of 2010; and	
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37	BE IT FURTHER RESOLVED that certified copies of this	
38	Resolution be transmitted to the President of the University of	
39	Hawaii System, Council of Chief Academic Officers, and	
40	Chairperson of the Board of Regents.	
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43	OFFERED BY:	
	2009-1552 SR SMA-2.doc Michelle N. Judani	
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