

UH Mānoa Learning Assistants Program LOGIC MODEL

GUIDING VISION: Provide high quality education for UH Mānoa students through the development of a coordinated Learning Assistant Program

SITUATION	INPUTS	OUTPUTS		OUTCOMES -- IMPACT		
		Strategies/Activities	Results of Strategies	Short Term	Mid Term	Long Term
<p><i>What is the challenge that the project is designed to address?</i></p> <p>Undergraduate students are struggling in STEM introductory courses. An intervention is needed to support students.</p> <p>UHM data from Math 100 in Fall 2017 revealed that students in a course section of Math 100 exhibited:</p> <p>8% failing rate without LAs</p> <p>4% dropping courses without LAs</p>	<p><i>What is needed to implement the project and to achieve the intended results</i></p> <p>Learning Assistants A Learning Assistant (LA) is an undergraduate student who facilitates discussion and engagement by working with students in small groups during class to encourage active participation.</p> <p>UHM Faculty Director Graduate Assistant Time Money Partners Pedagogy Course, EDCS 417 Evaluation Process</p>	<p><i>What you will do with the resources available to you to accomplish the project</i></p> <p>a. Processes b. Tools c. Events d. Technology e. Actions</p> <p>COE – Pedagogy course, EDCS 417</p> <p>LA Pau Hana</p> <p>Course proposal design to include LAs (LA “mentor “program”</p>	<p><i>Direct products of the project activities, what we expect to be accomplished</i></p> <p>a. Types and levels of services to be delivered b. What will happen if the activities or strategies are implemented</p> <p>LAs work with UHM Faculty for smaller learning groups and have continued training.</p> <p>LAs feel supported and sense of belonging</p> <p>Course transformation in course modifications and research-based teaching</p>	<p><i>Desired outcomes of the implementation strategies</i></p> <p>Measurable results and specific changes What is the difference that the resources, strategies and activities have made</p> <p>a. Short term most immediate and measurable</p> <p>Create more cognitively engaging learning experiences and improve student learning outcomes</p> <p>Retain LAs for two to three semesters.</p> <p>Improve student performance in academic course work and higher-order assessments</p>	<p><i>b. Long term achievable outcomes that will occur after the initial outcomes</i></p> <p>Expand LAs to new courses, departments, and colleges</p> <p>Add new LAs each year.</p> <p>Expand the LA program by including at least one new academic department per year and/or increase the number of courses using LAs within existing</p>	<p><i>Fundamental change that will occur as a result of the project activities</i></p> <p>Big picture, related to “Overall Goal”</p> <p>Partner with the College of Education to recruit LAs into K-12 teaching</p> <p>Curriculum and course transformation to improve the quality of instruction and learning outcomes for undergraduates</p>
VALUES & PRINCIPLES	PARTNERS					

<p>UHM</p> <ul style="list-style-type: none"> - Mission - Vision - Values <p>Mandates</p> <ul style="list-style-type: none"> - WASC Action Plan 	<p>UHM Undergraduates</p> <p>UHM Faculty</p> <p>2020 – 2021</p> <p>Math</p> <p>Chemistry</p> <p>Physics</p> <p>Biology</p> <p>Computer Science</p> <p>Hawaiian Studies</p> <p>Department</p> <p>Social Studies, & Kinesiology</p> <p>Rehabilitation Studies</p> <p>COE (Education)</p> <p>Faculty</p> <p>Dr. Tara O’Neil</p> <p>Graduate Assistant</p> <p>Phillippe Fernandez-Brennan</p> <p>Office of the Provost</p> <p>Wendy</p> <p>Bruno</p>	<p>Evaluation of LA program</p> <p>HM Faculty spotlight</p>	<p>Measure value and merit of the LA program</p> <p>Faculty professional development.</p>	<p>Use of standards-based and responsive approaches.</p> <p>Use of quantitative and qualitative instruments (see below)</p> <p>Build organizational structures, including a network of faculty and Departmental Coordinators across UHM</p>	<p>departments.</p> <p>Use data sources to improve program.</p> <p>Expand LA program to the broader UH Community</p> <p>Connect to other programs across the campus to leverage existing resources and maximize the impact of investing in the LA Program</p>	<p>Discipline-based education research to continually measure the outcomes of our transformations.</p> <p>Institutional change to transform the culture at the departmental level to value research-based teaching</p>
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ASSUMPTIONS

EXTERNAL FACTORS
Funding by Provost base on evaluation for effectiveness of LA Program

Resources

<https://inside.ewu.edu/ogrd/pre-award/proposal-development/writing-resources/logic-models/>

Quantitative Instruments

- Grades
- Attendance
- LASSO - pre-post (LA Alliance)- assessments of content acquisition, growth and content knowledge over time
- Dropping course rate
- Withdrawal rate
- Fail rate

Quantitative Instruments

- Undergraduate End-of-Semester Survey
- UHM Faculty Mid-Semester Survey
- UHM Faculty End-of-Semester Survey
- LA Mid-Semester Survey
- LA End-of-Semester Survey