

UNIVERSITY TOWN



How the
institution
impacts
the community

UNIVERSITY
of HAWAI'I®
HILO

Sunday, March 19, 2017

Hawaii
Tribune  Herald

UNIVERSITY TOWN

Striving to meet the community's needs

The successes of the University of Hawaii at Hilo are due to the unfailing support of our local community, people who see that having post-high school education offered on Hawaii Island is key to a bright future for everyone.

We continue to develop academic programs that address our island's needs — for example in energy science, environmental science, aviation, indigenous language, health care and heritage management.

We have several academic programs that are not offered anywhere else in the state and are of great benefit to our local communities and the environment. For example, we have doctoral and master programs in pharmacy and in Hawaiian language not found at other schools in Hawaii.

Our heritage management graduate program, housed in the Department of Anthropology, has a unique curriculum developed especially for island and regional needs. This master of arts program is for students who seek careers in the interpretation and preservation of cultural heritage in Hawaii and the Pacific islands.

Students in our graduate program in tropical conservation biology and environmental science all do field work as part of their studies and research, and now most of our graduates are managing local resources and applying the science learned at UH-Hilo to protect our island home.

We are also participating in a federally funded program to help the state address growing concerns over water resources throughout the state. The National Science Foundation awarded \$20 million to the UH system to do a five-year study of water sustainability



Donald STRANEY
Chancellor

issues through a collaborative project called 'Ike Wai (knowledge, water).

UH-Hilo students and researchers are involved in a variety of activities in the 'Ike Wai program such as data analysis — an incredibly important skill for the future of resource management — making us ahead of the curve on educating our students on future issues surrounding water. Our grad-

uates will be ready with the skills needed to address preservation of water resources.

While we continue to develop academic programs that address our island's needs, we are currently regrouping to be more effective at recruitment, retention and graduation rates.

Stay tuned for a presence on TV — we are developing an informational campaign that I think you'll like to match those you see from other UH campuses.

We are also instituting and growing programs such as peer mentoring and transfer advising.

For example, as do other programs, our psychology program (one of the largest at UH-Hilo) has

We have several academic programs that are not offered anywhere else in the state and are of great benefit to our local communities and the environment.

Discover, Inspire and Grow Together...

Whatever business you're in, whether it's psychology or computer science, arts or agriculture, we invite you to discover the variety of opportunities UH Hilo has for you to learn and grow with us.

Be inspired by the knowledge of our faculty, the incredible discoveries of our research, the enthusiasm of our students and the cultural diversity of our environment. We're here for you.



UNIVERSITY
of HAWAII
HILO



hilo.hawaii.edu



UNIVERSITY TOWN

It takes a Living Learning Community

By KIRSTEN JOHNSON
Hawaii Tribune-Herald

When Jetamio Henshaw started classes at the University of Hawaii at Hilo this fall, she was a bit nervous.

"I came from a small Hawaiian charter school," the 19-year-old Waikoloa native said. "In my graduating class there were only 10 people."

So, in an effort to make friends and ultimately succeed at the more than 3,500-student public school, Henshaw joined a Living Learning Community (LLC for short). LLCs are groups available for first-time freshman such as Henshaw to live together, take a course together and spend quality time outside the classroom.

LLCs are one of several initiatives UH-Hilo has launched in recent years in an effort to better engage its students with the campus.

Administrators hope initiatives ultimately will help boost enrollment and improve student retention. When students "feel connected and engaged" to the university, they are more likely to return, said Farrah-Marie Gomes, UH-Hilo vice chancellor for Student Affairs.

"Engaging students just gives us an opportunity to build a relationship with them on campus," Gomes said. "It helps us address early warning signals and it broadens a student's educational experience



Students Kainalu Steward and Jetamio Henshaw, seated, meet with coordinator Ho'oleina Ioane, for a discussion about why they joined a Living Learning Community in Hale Kanilehua at University of Hawaii at Hilo.

in ways we can't even capture quantitatively. It's an interactive and ongoing way to help better support student success on campus."

Staying power

About one-fourth of incoming freshman are part of an LLC, currently offered in six subject areas: business, creative arts, environmental sustainability, Hawaiian culture and language, health and wellness and natural science.

They don't necessarily need to major in the LLC subject area.

And it isn't a new concept — LLCs are offered at several schools on the mainland.

Research shows participating students stay in college longer, earn better grades than their non-LLC counterparts and report higher satisfaction overall with their college experience.

"We're all really close," said Kainalu Steward, a 19-year-old freshman from Maui who's part of the Hawaiian culture LLC. "For me, I'm in the Hawaiian studies program so it's just made it easier to connect with people."

"It's helped me be more successful," added Henshaw, who's part of the business LLC. "You're just so close with everybody.

I come from a small school where we felt like family and being able to come here and have that same feeling is awesome."

The campus is looking to expand LLC offerings to a nonresidential model in the future, Gomes said.

Advising freshmen

In 2013, UH-Hilo began its "Freshmen 'Eleu" initiative — requiring first-year students to meet with an adviser prior to registering for classes.

The requirement is hoped to better prepare freshmen for their

degree programs and give them access early on to advisers should future challenges arise, Gomes said.

The campus reported last year 18.7 percent of first-time, full-time freshmen who enrolled in fall 2012 had graduated by spring 2016, its highest four-year graduation rate in recent years.

In 2015, 13.6 percent of those freshmen graduated on time.

"That constant, ongoing contact with advisers is really helpful for students to make informed decisions about (for example) changing majors or the type of classes they

want to take," Gomes said. "They have a professional there who can help them weigh the pros and cons and look at the ramifications. They have a better idea of what lies ahead for them."

Student employment

The university also wants to ramp up and streamline training for student employees.

Its 826 student employees staff 45 different places around campus including the athletic center, financial aid office and library.

Administrators are looking to provide additional training to those employees — where possible — to better prepare them for the workforce. For example, a student employed to answer phones could receive additional training in telephone etiquette, Gomes said.

"With student employees, we acknowledge they are students first and foremost," she said. "But (we want to) instill skills in them and invest in our students as employees. It's taking our role as the university employer seriously and investing time to help them develop as an employee and as a reflection of us."

Model program

The campus began piloting two years ago its "integrated advising

See LLC Page 4

UNIVERSITY TOWN

LLC From page 3

BUILD BETTER



CABINETS & COUNTERTOPS



CUSTOM METAL ROOFING



INTERIOR & EXTERIOR PAINT



WINDOWS & DOORS

FROM YOUR FOUNDATION
TO YOUR ROOF &
EVERYTHING IN BETWEEN,
WE'LL HELP YOU BUILD BETTER



HILO 935-0875 • KONA 334-4200 • WAIMEA 885-6036 • KEA'AU 966-5466
KAUA'I 332-7376 • O'AHU & MAUI 682-8560 • ONLINE HPMHAWAII.COM

model" — pairing up an "expert" faculty member in a given discipline with a professional adviser. Both work together to counsel a single student. For example, a campus adviser and a psychology faculty member would team up to advise an aspiring psychologist.

"By integrating the two, we now have the best of both worlds," Gomes said.

"Because there's both someone who is aware of their entire journey from start to finish and also someone who can guide them on their path of choice."

The model was piloted in four departments: psychology, kinesiology, health sciences and Hawaiian language.

Based on its success, UH-Hilo is looking to expand integrated advising to even more departments, Gomes said.

Connecting with the community

The campus also tries to promote service opportunities, internships and outside-classroom activities whenever possible, Gomes said.

For example, students are encouraged to intern with professionals in their desired discipline,

"We're looking at a 'Kuleana in Community' proposal right now, which is including a sense of responsibility for taking care of the place."

FARRAH-MARIE GOMES

Vice chancellor for Student Affairs

Gomes said, and the UH-Hilo tennis team tutors students in local high school athletic departments.

"It's really looking at Hawaii Island as a living learning laboratory," Gomes said.

"We're looking at a 'Kuleana in Community' proposal right now, which is including a sense of responsibility for taking care of the place. But the reciprocity is there because as we take care of the place, we're providing opportunities for students to learn about their Kuleana and responsibility on a deeper level. Establishing that connection with the community is vital."

NEEDS From page 2

peer advising in place for spring 2017 where students are helping students on their general education and graduation requirements, course prerequisites, course selection and registration for classes.

Peer advisers can also provide students with contact information about support services on campus, including encouragement to meet with a faculty adviser who has expertise in areas that are aligned with the student's career interests.

I want to note that reaching students from Hawaii Island is our top priority. We have a responsibility to serve the whole island, and we are collaborating

closely with Hawaii Community College to achieve recruitment/retention/graduation goals by creating pathways from Hawaii Community College to UH-Hilo in programs such as agriculture and Hawaiian studies.

UH-Hilo cannot grow on its own. We need to work with our local community to the benefit of all. This, combined with our strong partnership with Hawaii Community College, will ensure that Hawaii Island's high school students, upon graduation, will have the options they need to access higher education here at home.

Donald Straney is chancellor of the University of Hawaii at Hilo.

You are invited to
DISCOVER UH HILO!



DISCOVER

Our Natural Learning Laboratories

From the depths of the Pacific Ocean to the top of Mauna Kea and the myriad of climatic zones on Hawai'i Island, students and faculty are able to widen their learning horizons, sharpen their knowledge and advance their research findings.

DISCOVER

Our Unique Multicultural Environment

Ranked by the US News and World Report as the nation's most diverse four-year campus, students interact, learn and work within a culturally rich environment; a valuable skill in today's world that is increasingly inter-connected socially, geographically and ethnically.



DISCOVER

Outstanding Opportunities and Incredible Value

Connecting our students to empowering opportunities is at the core of our mission; whether it's internships, applied research, access to expert and caring faculty, or a semester-at-sea, UH Hilo's commitment to affordable tuition and financial aid makes our education a great value and puts all of these outstanding opportunities within reach.



UNIVERSITY
 of HAWAII®
HILO

200 W. Kawili St.
 Hilo, HI 96720



hilo.hawaii.edu

UNIVERSITY TOWN

Learning in the field

Unique master's program preps students for careers in conservation biology, environmental science

By **KIRSTEN JOHNSON**
Hawaii Tribune-Herald

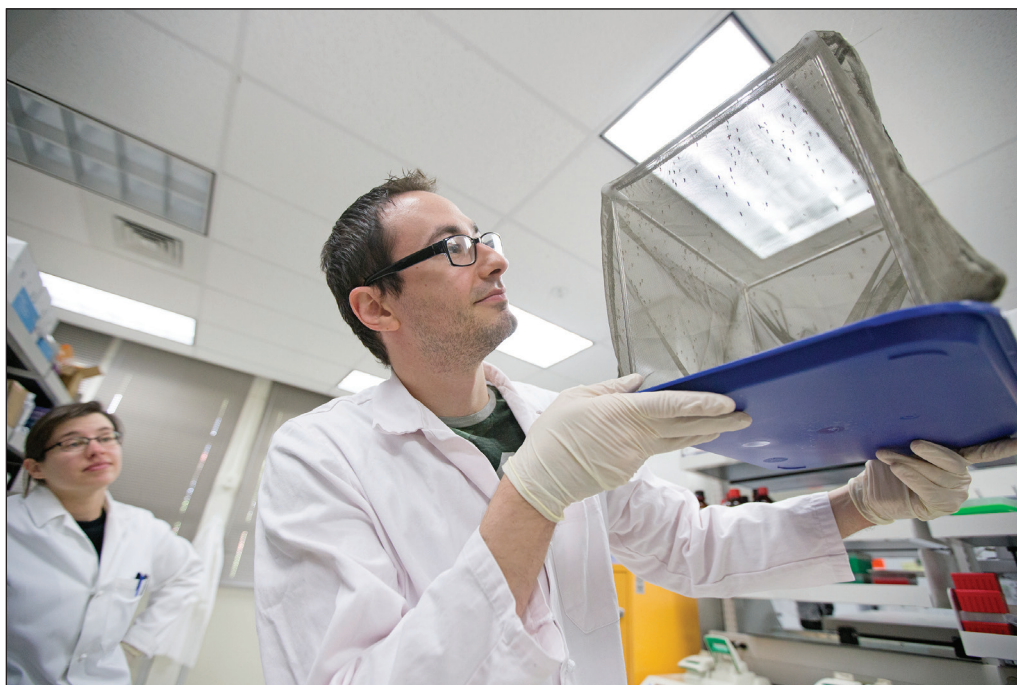
Spend a day as a student in the Tropical Conservation Biology and Environmental Science graduate program, and you might hike up-close to the Kalapana lava flow to observe succession.

You might scuba dive off a beach in Keaukaha to collect water samples. Or, you might trek through the rain forest to record calls of Hawaii Island's native birds.

"Our students are working everywhere, all over the island," TCBES faculty member Patrick Hart said. "There are whale studies on boats, marine studies of water quality, plant surveys, animal surveys, bats and birds — every ecosystem you can think of. I can't think of anyplace on the island where our students haven't worked at one point in time."

TCBES is a master's program that delves into conservation biology, environmental science,

See **FIELD** Page 3



Undergraduate student Justin Cueva holds up a container of adult mosquitoes at a UH-Hilo lab while studying birth control methods for mosquitoes in an effort to save Hawaiian birds.

HOLLYN JOHNSON
Tribune-Herald



KTA SUPER STORES

You're Someone Special

KTA Super Stores is Hawai'i's locally owned and operated one stop shop, serving Hawai'i Island's grocery, household and pharmacy needs for 101 YEARS and counting!

KTA Downtown, Hilo 321 Keawe St. 808-935-3751	KTA Puainako, Hilo 50 E. Puainako St. 808-959-9111	KTA Waimea Waimea Center 808-885-8866
KTA Waikoloa Village Waikoloa Highlands Ctr. 808-883-1088	KTA Kailua-Kona Kona Coast Shopping Ctr. 808-329-1677	KTA Keauhou, Kona Keauhou Shopping Ctr. 808-322-2311

www.ktasuperstores.com



Are you a college or university student? Here's how HFS can help you:

- Trust the largest Credit Union on the Big Island, serving our local community since 1937
- Surcharge free access to any Bank of Hawaii ATM for quick cash withdrawals using your HFS Debit Card (located on campus)¹
- No minimum balance for HFS Checking Accounts
- Mobile app for balance inquiries, transfers, mobile check deposit, person to person payments and more²
- Branch locations in close proximity to campus, open Monday through Saturday

¹Other fees may apply for an out of network ATM. ²Data rates may apply. Check with your mobile phone carrier for details.

HFS
FEDERAL CREDIT UNION
Where Caring Counts

(808) 930-1400 | www.hfsfcu.org

Hilo • Honoka'a • Kea'au • Kona Coast Shopping Center
Prince Kuhio Plaza • Waimea Center

UNIVERSITY TOWN

FIELD From page 6

ecology, evolution, genetics and geospatial analyses. It trains students for careers in conservation biology and environmental science.

It got started in 2004, founded by former University of Hawaii at Hilo faculty member Don Price as one of the first graduate-level programs at the Hilo campus. More than 150 students have graduated since.

"For us, this program is just a natural fit for UH-Hilo," Hart said. "I feel like it's good for Hilo and the community, too. Students are going out and interacting with people and (performing) a lot of community service. They're involved in events, they're working in classrooms — there's been a lot of community collaboration over the years."

The program began, in part, to fill a need.

Previously, most island-based jobs in resource management were filled by candidates on the mainland.

That's since changed. At least two-thirds of present TCBES students have "some kind of ties," to the state, said program Director Becky Ostertag.

Most all graduates seeking work quickly secure positions, Hart added, and the success rate "of students graduating and getting careers" is "pretty good."

"Of all the students I know who've graduated, I don't know anyone looking for jobs," he said.

TCBES also partners with undergraduate programs Keahohola

and Pacific Internship Programs for Exploring Science to recruit locally.

Among local students is Topaz Collins, 30, an East Hawaii native and TCBES alum now employed at UH-Hilo. Collins said she felt fortunate to have the opportunity to earn a master's degree close to home. She said she would like to see UH-Hilo eventually expand to offer a doctorate of science.

Ron Kittle, a TCBES student from Cincinnati, said he was drawn to the program for its close-knit feel. He said he is studying sea turtle gut bacteria and the program has afforded him multiple trips to Oahu to assist in turtle necropsies. He said he works alongside a team of scientists and veterinarians to swab for

bacteria along the turtles' gastrointestinal tract — a process that's messy but fascinating.

"Being at a smaller school, (the program is) much more intimate, and I feel like you just have so much opportunity here," Kittle said. "And Hawaii is just such a unique place, there are so many things you can study here."

TCBES eventually wants to expand. It could potentially "double in size," Ostertag said, but currently its capped due to limited faculty resources. Historically, most TCBES students have pursued a research track toward degree completion which requires more faculty advisers.

The program is mulling expansion of its internship track option which would require fewer faculty and

make it more sustainable long term, Ostertag said.

Day-to-day work in the program "isn't always easy," Ostertag added, but those who aren't afraid to get a little dirty and want to make a difference generally don't mind.

"You have to have an interest and a passion," Ostertag said. "There's field work, lab work and a lot of tedium involved. It's not always comfortable being out in the cold or in the rain or in the heat and mosquitoes. But people who want to make a difference, because they're motivated by the bigger conservation issues, those are the people we're looking for. Those are the people who are happiest doing this kind of work."

Email Kirsten Johnson at kjohnson@hawaiitribune-herald.com.



Keeping East Hawai'i healthy since 1983. (That's a lot of smiling patients.)

At Bay Clinic, our main priority is providing the best care possible with one very important focus—you. We offer comprehensive primary medical, dental and behavioral health services to meet your needs at every stage of life. With several locations to choose from, we're the largest network of non-profit health centers on the island. To make an appointment, please call any of our clinics today.



Hilo Family Health Center: 969-1427
Hilo Women's Health Center: 333-3500
Hilo Family Dental Center: 333-3600
Kea'au Family Health & Dental Center: 930-0400
Pāhoa Family Health Center: 965-9711
Pāhoa Women & Children's Health Center: 965-3038
Ka'ū Family Health & Dental Center: 929-7311



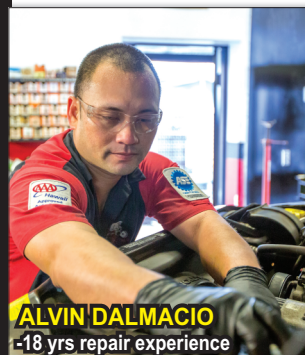
LEX BRODIE'S Tires

Brakes • Alignments • Repairs

**Need Tires
or Vehicle
Repairs?**



You can TRUST US to help You!
**We are your MR. FIX-IT
when DAD is not around.**



ALVIN DALMACIO
-18 yrs repair experience



DENNIS DOMINGO
-16yrs repair experience

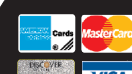


JENNINGS TILFAS
-15 yrs repair experience

And we take credit card payments over the phone. =)



@LexBrodiesTire



lexbrodiestire.com

HILO-961-6001 WAIMEA-885-5959
PAHOA-965-9125 KONA-329-8826

HOURS: Mon-Fri 7am-6pm Sat 7:30am -5pm Waimea & Hilo SUN: 8am-3pm



Join UH Hilo Learn & Experience...



Academic Excellence

Dedicated **faculty from quality universities** such as Cornell, Harvard, Stanford and UC Berkeley enhances your learning.

Outstanding research in numerous areas such as climate change, water quality and marine life, further enriches your knowledge.

Great Opportunities To Excel

Whether it's the Microsoft Imagine Cup, Model United Nations, Business Strategy Game or Marine Option Symposium, you'd be inspired by the experiences of your fellow UH Hilo classmates.

Local, statewide, national and international competitions allow you to learn beyond the classrooms and sharpen your competitive edge.

Student organizations allow you to learn teamwork and refine your leadership skills.



National Exchange and Study Abroad

If you want to **live and learn in a different country OR in another state** on the mainland while earning your degree, you'd be amazed by the many options you have!

From China to Brazil, from New Zealand to Sweden, from Alaska to Florida, from New York to California, the life-changing opportunity awaits you!!!



APPLY NOW FOR FALL 2017
HILO.HAWAII.EDU



UNIVERSITY
of HAWAII
HILO

UNIVERSITY TOWN



HOLLYN JOHNSON/Tribune-Herald

Keaau High School Principal Dean Cevallos and UH-Hilo instructor and field experience coordinator Colby McNaughton bond with Masters of Education students during a get-together with various state Department of Education principals and employees for the students' program at UH-Hilo.

Preparing for the noble profession

By KIRSTEN JOHNSON
Hawaii Tribune-Herald

A good teacher can make even the most mundane subject "click." At least, that's according to 23-year-old Koa Rodrigues, a Maui native who can still conjure to mind his fourth-grade math teacher, someone he says helped foster his love for the subject today.

"A lot of people, when they hear a subject like math, they groan or get apprehensive," Rodrigues said. "But the teacher can make it fun and exciting. If math is taught by a fun teacher and presented in a way that's understandable, students can love it."

It was teachers such as those who ultimately spurred Rodrigues

to forge a career in education. He's now a student in the University of Hawaii at Hilo's Kahuawaiola program, one of two graduate-level teacher education programs offered at the Hilo campus that prepares budding teachers for licensure.

The other program — a Master of Arts in Teaching — is offered through the School of Education.

The UH-Hilo programs are among at least 13 teacher preparation programs statewide. But the campus says they are invaluable because they provide an easier way for local students to forge careers teaching Hawaii's keiki.

"(These programs) are a way to provide teacher education for students without needing to leave the island,"

See TEACHERS Page 9

UNIVERSITY TOWN



Photos by HOLLYN JOHNSON/Tribune-Herald

ABOVE: Masters of Education students prepare to meet with several Department of Education principals and employees for the students' program at UH-Hilo.

BELOW: Waiakea Intermediate School Principal Lisa Souza talks with Masters of Education students during a get-together with various DOE principals and employees.



TEACHERS

 From page 8

said Michele Ebersole, professor and chairwoman of UH-Hilo's School of Education. "And (they) attract local students, who are more likely to stay."

Kahuawaiola is part of the College of Hawaiian Language. It's a three-semester, graduate certificate program taught primarily in Hawaiian. It trains students for jobs in Hawaiian language immersion programs from preschool through secondary levels.

More than 120 students have graduated from Kahuawaiola since it began in 1998. Graduates are employed throughout the state in Department of Education schools, Hawaiian immersion public charter schools and private schools such as Kamehameha Schools.

For example, Rodrigues is now a student teacher at Ke Kula 'O Nawahiokalan'opu'u,

a state public Hawaiian immersion charter school in Keaau. He will graduate in May with a license to teach elementary and secondary math. Ideally, he said, he hopes to secure work at a Hawaiian language immersion school in East Hawaii or elsewhere in the state.

The Master of Arts in Teaching program graduated its first cohort in 2013-14. The program prepares students to apply for licensure after three semesters — about 73 have done so to date. It also offers a Master of Arts in Teaching degree for those who continue a second year. Forty students have completed a master's degree, Ebersole said.

The state DOE has struggled to retain teachers over the years. As a result of its longstanding shortage, it recruits heavily each year throughout the state and from the mainland.

The Master of Arts in Teaching program has a 93 percent retention rate, Ebersole said. About 82 percent of graduates work in state DOE schools and about 87 percent find work locally on the island.

"I believe many of these teachers are also more likely to stay on the island and in the teaching profession because they have a strong commitment to the people and the place," Ebersole said.

For example, Mailei Bumanglag, 28, a 2016 Master of Arts in Teaching graduate, now teaches at her alma mater — Pahoa High and Intermediate School.

"I think we have a pretty big advantage if we grew up here," Bumanglag said. "We have a better understanding of the students we'll potentially work with, and I think the connection can be created a lot quicker because we're familiar with the culture, lifestyle and issues our students face on an everyday basis."

"I'm glad they had this program here so I didn't have to leave to go get my licensure or degree."

Email Kirsten Johnson at kjohnson@hawaii.tribune-herald.com.

"I believe many of these teachers are also more likely to stay on the island and in the teaching profession because they have a strong commitment to the people and the place."

MICHELE EBERSOLE

Professor and chair, UH-Hilo School of Education

UNIVERSITY TOWN

'We're here to stay'

Pharmacy school on track with new building, programs

By **KIRSTEN JOHNSON**
Hawaii Tribune-Herald

Walk past the Daniel K. Inouye College of Pharmacy's South Ahoku Street construction site these days, and you're bound to see shovels in the ground and excavators

plowing away soil.

Construction of the University of Hawaii at Hilo pharmacy school's long-awaited permanent building is well underway and on track for a targeted spring 2018 completion.

"It's starting to take form now," Dean

See **PHARMACY** Page 11



Land excavation began Feb. 21 at the site of the new University of Hawaii at Hilo Daniel K. Inouye College of Pharmacy on South Ahoku Street.

HOLLYN JOHNSON
Tribune-Herald

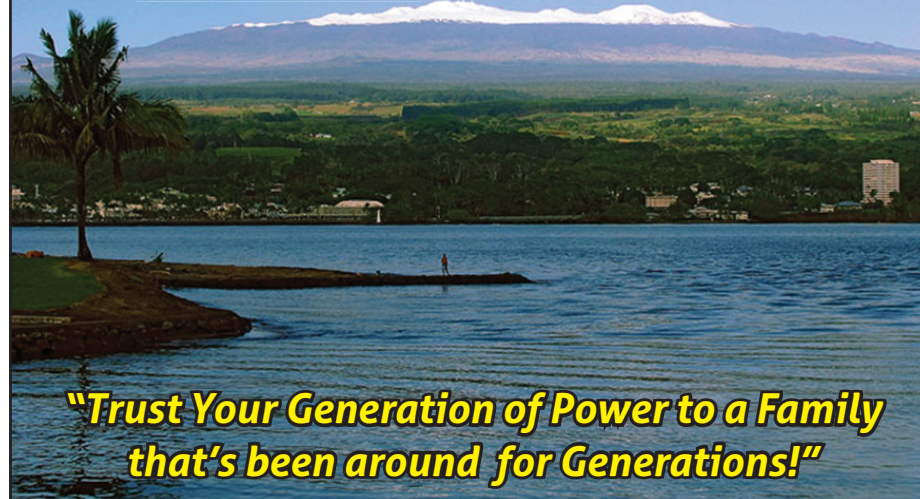
Proud Supporters of



UNIVERSITY
of HAWAII
HILO



Vulcans
University of Hawai'i at Hilo



Custom Photovoltaic Systems
built to your needs
Residential • Commercial • Industrial

510 Kalanikoa St. • Hilo (808) 935-0933

**H
B
E** **HIRAYAMA
BROS.
ELECTRIC Inc.**

PROUD SUPPORTER OF OUR UNIVERSITY



**COLDWELL
BANKER**

**DAY-LUM
PROPERTIES**

CONTACT US FOR ALL YOUR REAL ESTATE NEEDS

WWW.DAYLUM.COM

RENTALS

SALES

(808) 935-4152 | (808) 935-0399

UNIVERSITY TOWN

PHARMACY From page 10

Carolyn Ma said. "We're on time, and we're very happy about that."

The new building is one of several recent changes at the up-and-coming pharmacy school, currently heading into its 10th year of operation and gearing up to graduate its seventh student cohort this spring.

In August, Ma, formerly interim dean, was tapped to permanently fill the position. The college also is expanding its partnerships abroad and ramping up efforts to improve student performance.

New dean

Ma is an Oahu native who boasts a long career in the field. She came to UH-Hilo in 2007 as the clinical education coordinator, and in

2009 became chairwoman for pharmacy practice.

She was appointed interim dean shortly after founding dean John Pezzuto's July 2015 departure. She was named permanent dean after UH launched a national search for a replacement for Pezzuto that ultimately was unsuccessful.

Since that permanent appointment, Ma said she has spent more time "trying to get to know people in the community" and wants to help the college — which is the first pharmacy program in Hawaii — become as visible as possible in the community and state.

She called the learning curve "steep" at times but said she's now starting to "understand a lot better now



CAROLYN MA

Dean, Daniel K. Inouye
College of Pharmacy

what (the role) encompasses."

"I think it's just been helpful (for students and faculty) to have someone in

a permanent role because it takes out that ambiguity of, 'Where we are going?' and 'Who's going to be steering the ship?'" Ma said. "The students are just a little more at ease, I think, knowing that at least the question of management isn't unknown."

New building

The pharmacy school historically has operated out of five temporary portables since it opened. For years, UH struggled to secure funding for a permanent building, scaling back plans multiple times to lower the budget.

A contract was awarded last April to Isemoto Contracting Co. for \$31.3 million — funded through a mix of general obligation bonds and money generated

by UH. UH-Hilo also is kicking in an additional \$1.3 million for the building.

Construction began in September and is anticipated to wrap in May of next year. Students should begin classes fall semester 2018 in the new building.

"There's been that question of, 'Should the college move to another island?'" Ma said. "But (a permanent building) is indicative that we're here to stay."

Current plans call for a two-story, 45,000-square-foot facility that aims to facilitate a trend in education toward more "active learning/hands-on and small group learning, as opposed to passive, large group lecture

See PHARMACY Page 12

Supporting the University of Hawaii at Hilo!

Maika'i!!

SUNDAY ALL YOU CAN EAT Spaghetti

TUESDAY ALL YOU CAN EAT Tacos

WEDNESDAY Prime Rib

THURSDAY Hawaiian Plate

FRIDAY Oxtail Soup

Always Get! Oxtail Stew & Tripe Stew

Onolicious Specials Everyday!

Education Can Change Our World!

Ken's HOUSE OF PANCAKES

Serving "Aloha" 24 Hours a Day for 46 Years!

1730 Kamehameha Avenue • 935-8711

Ono Grinds...Anytimes! • Jammin' Since 1971

FIRST PLACE BEST of Hawaii 2016 East
Tribune-Herald Best Breakfast

20 years in a row!

CLASSIC ISLAND CUISINE

DINING ON THE EDGE PONDS HILO

*Serene Atmosphere
Splendid Scenery
Sumptuous Dining*

NEW! Tiki Bar

Live Local Music!
Open Daily 11am-10pm
www.pondshilo.com

Mexican Fiesta Mondays
Wack-O-Lamb Wednesdays
Lobster Lovers Thursdays
Hilo Sturgeon Sundays
Pau Hana 2-5pm

Sunday Brunch
11am-2pm

135 Kalaniana'ole Ave. • 934-7663 (POND)

UNIVERSITY TOWN

PHARMACY From page 11

hall learning,” Ma said.

Some of the building’s features will include:

- Breakout rooms for small-group instruction. Rooms will allow for an 85-student class to break into smaller learning groups. They also will be available as student studying space.

- Compounding lab space. A place for students to learn how to construe different drug formulations such as capsules, pills, creams, gels and ointments.

- Mock pharmacy and institutional pharmacy space. A mock pharmacy simulates a community pharmacy set-up. An institutional pharmacy simulates a hospital pharmacy setup and includes various drug distribution technology and intravenous preparation hoods, Ma said.

- Space with audio and visual capability, which also would allow for remote observation or off-island remote group work. Ma said that will especially be important for inter-professional collaboration — for example, with nursing, medicine, social work and public health programs.

- Mannequin simulation. This is “high technology,” Ma said, in which students use adult-size dummies to simulate real-life patient situations. Mannequins are operated by computers and programmed for changes in vital signs via a simulation technician, Ma said, and they can even speak.

- Two 120-student lecture halls and multiple seminar rooms.

- Administrative space. Administrative offices are



Image courtesy Daniel K. Inouye College of Pharmacy

A rendering of the new pharmacy school building.

currently located off-campus in a county annex near Rainbow Falls.

- On-site portables currently used as classrooms will be redesigned to house research labs once the new building

opens. (The pharmacy school currently conducts research off-site at old Department of Agriculture buildings past the Panaewa Zoo.) Original building plans called for research labs to also be located in

the new building, but those plans were ultimately scaled back to lower the cost.

Accreditation

The college is also seeking an extension of its accreditation status from the Accreditation Council for Pharmacy Education, which is up for renewal this year. Ma said she is “very confident” status will be extended, and a visit this month will determine for just how long.

The decision is ultimately up to the council, which will meet to consider the review in June.

Ma said the new building’s on-time progress should bode well during the visit.

“(A permanent building) is really important to

See PHARMACY Page 13

Maunakea Astronomy Ohana celebrates ★ the 54th Merrie Monarch Festival ★

Canada-France-Hawaii
Telescope

East Asian
Observatory

Gemini
Observatory

‘Imiloa Astronomy
Center of Hawai‘i

Maunakea Visitor
Information
Station

NASA Infrared
Telescope Facility

Pacific International Space
Center for Exploration
Systems (PISCES)



Smithsonian
Submillimeter Array

Subaru Telescope

Thirty Meter
Telescope

UKIRT

University of
Hawai‘i at Hilo

University of
Hawai‘i Institute
for Astronomy

Very Long
Baseline Array

W.M. Keck Observatory

Visit our Website: mkaoc.org • Like us on Facebook

**Celebrating the Merrie Monarch
King Kalākaua—An Astronomy Enthusiast**



Shop These Fine Merchants!

PERSONAL SERVICES

Balancing Monkey Yoga Center
Diet Center
Jin Ju Salon
LV Nails
Tram's Day Spa

RETAIL

Diva's Boutique
Island Naturals
Lanky's Pastries
Sole Comfort
The Orient Connection
Yi Qin's Gifts

RESTAURANTS

Happy Valley Seafood
Hawaiian Brain Freeze
Kamana Indian Kitchen
Restaurant Miwa
Sunlight Café

FINANCIAL

Edward Jones
Hawaii First Community Resource Center
Hawaii First Federal Credit Union
Liberty Tax

SERVICES

Aloha Care
Bayada Home Health Care
Hilo AC & Refrigeration
Hilo Family Dental - Bay Clinic
Institute of Acupuncture
Keiki Dental Clinic
Longs Pharmacy
National Fire Protection
Native Nations Education Foundation
Optical Dispensers

**CORNER OF KILAUEA AVE.
& KEKUANAOA ST.**

UNIVERSITY TOWN

University helps fuel Hilo's economy

By KIRSTEN JOHNSON
Hawaii Tribune-Herald

When the University of Hawaii at Hilo first opened in 1947, enrollment was just a few dozen students. It was known simply as the Hilo program back then, a tiny extension of UH-Manoa.

It's since come a long way.

The Hilo campus is now the second-largest in the UH system. More than 3,500 students are enrolled this semester in nearly 40 undergraduate programs, eight graduate programs and four doctorate programs.

The campus is sprawled over hundreds of acres in East Hawaii including its 115-acre main campus in Hilo, a 110-acre Panaewa agricultural farm, and

UNIVERSITY of HAWAI'I® HILO

nearly 500 acres at its Science and Technology Park.

Construction of a 45,000-square-foot, state-of-the-art building to house its Daniel K. Inouye College of Pharmacy also is underway

and slated for a 2018 completion.

UH-Hilo also is a major boon to the island's economy.

It generates more than \$428 million each year in business activity as a result of its operations on Hawaii Island, according to 2012 data from the University of Hawaii Economic Research Organization.

And in 2012 — the latest year data is available — direct local spending as a result of the campus fed \$221 million into the local economy and employed 3,326 people who collected nearly \$127 million in income.

That impact is the same as what the county would see if nearly 4.5, 2,000-passenger cruise ships docked in Hilo each day.

Email Kirsten Johnson at kjohnson@hawaiitribune-herald.com.

PHARMACY From page 12

our accreditors," Ma said. "Having everybody together is always a better thing."

Test scores

The pharmacy school also wants to continue improving student performance on the North American Pharmacist Licensure Examination, a national standardized licensing exam. Its scores were among the lowest in the country as recently as 2011 but have since improved overall.

The school began offering an online, self-paced course this year to help introduce and prepare fourth-year pharmacy students to take the exam. Supakit Wongwiwatthanakut, pharmacy professor and interim associate dean for academic affairs at the college, said UH-Hilo pharmacy students now are performing about on par with students nationally.

UH-Hilo's 2016 class earned an 84.15 first-time pass rate on the exam, up from 82.76 in 2015 but down from 91.25 in 2014. Pharmacy students nationally earned an 85.86 average first-time pass rate on the

exam in 2016, 92.64 percent in 2015 and 94.88 percent in 2014.

Partnerships abroad

Last month, the pharmacy school announced a new exchange program agreement with Khon Kaen University in Thailand — its fifth agreement with a Thai university. The agreement could give Hilo pharmacy students more opportunities to collaborate on research and academic projects in Thailand, for example working together for distance-learning courses, conducting joint research projects and embarking on exchanges abroad.

The partnership is one of several the college has in place with different countries, Ma said. It also recently signed agreements with schools in Japan and China.



"We're really just trying to set up these opportunities," Ma said. "It's definitely an exciting thing."


As of this spring, enrollment at the pharmacy college was 314 students, roughly on par with past years. Each year, about 50 percent of the students are residents of the Big Island.

Vulcan Athletics


**A rich history and tradition
of enriching lives through
academics, athletics and
community service.**

Mahalo for your support!



SOCIALIZATION MENTAL STIMULATION FUN!



hawaiiislandadultcare.org
961-3747

A non-profit and Hawaii Island United Way Agency Licensed, Insured, Accredited

UNIVERSITY TOWN

Big data on the Big Island

Great academic investments are those that help graduating students use their newfound skills to obtain competitive, well-paying jobs and tackle problems that are of local interest.

For the University of Hawaii at Hilo and the Big Island, that includes developing programs that support a rising need: analyzing large and complicated sets of data.

The statewide 'Ike Wai grant, which was awarded to the state of Hawaii by the National Science Foundation last June, helps UH-Hilo accomplish just that.

The \$20 million grant has as its main objective studying the unique challenges of achieving water sustainability on a volcanic archipelago. These water research projects generate a tremendous amount of data — large in size and complexity.

To help better collect, clean, analyze, visualize and summarize these large data sets, UH-Hilo is developing a data science program.

Beyond working with just water-related data on Hawaii, data scientists are in high demand within the state and country. Thus, UH-Hilo's goal of developing a bachelor's of science degree in data science will help alleviate the local and national need for people who can work fluently with big data.

The term "data science" is a bit of buzzword at the moment, but the attention the field has garnered makes clear just how much in demand these skills are.

Data science can best be thought of as a strategic combination of statistics, computer science and mathematical modeling that allows complicated data sets to be efficiently analyzed and effectively visualized or displayed.

Since this field is a combination of these three very important areas, it is synergistic in nature — the combination is greater than the sum of the parts. In other words, a single well-trained data scientist is better equipped to handle big



Matthew PLATZ
Vice Chancellor
for Academic Affairs

and complicated data than a mathematician, statistician and computer scientist working together.

What is UH-Hilo doing to help train data scientists? First and foremost is the creation of a data science certificate, to be followed by the B.S. degree.

There are only a few data science baccalaureate programs in the country, so UH-Hilo will be a national leader in developing undergraduate data science curricula.

Furthermore, since UH-Hilo has very active researching faculty that generate large amounts of data (numerical, geospatial, temporal, etc.), our data science students will be honing their data analysis skills while providing support to various projects throughout the university.

A good data science program requires skilled data scientists to develop curriculum, teach courses and mentor students. During the next three years, UH-Hilo is hiring four tenure-track assistant professors to do just this.

Furthermore, since one of the goals of data science is to analyze and visualize large data sets, UH-Hilo is also acquiring a cyberCANOE, an impressive combination of computer hardware and software and several mounted computer screens that allows for 3-D visualization and teleconferencing. The UH-Hilo cyberCANOE will network with others in Hawaii and throughout the world to make collaborations and presentations seamless and productive.



Roberto PELAYO
Associate professor
of Mathematics

The most important part of a data science program, though, are the students.

To help generate interest for the certificate and coming data science major, UH-Hilo will host several summer bridge programs aimed at giving students their first exposure

to the power of data science.

These summer experiences, starting in summer 2017, will provide several UH-Hilo students credit-bearing courses and research projects, along with a stipend.

During the academic year, the 'Ike Wai scholars programs fund a dozen undergraduates to work with researching faculty members on data-intensive projects.

These experiences will feed into the new major and start students on their journey to a data science degree and a well-paying, in-demand job.

Matthew Platz is vice chancellor for Academic Affairs. Roberto Pelayo is associate professor of mathematics. For more information about UH-Hilo's data science efforts, visit www.hawaii.edu/epscor/, or contact Platz (mplatz@hawaii.edu) or Pelayo (robertop@hawaii.edu).

Walk-In Medical Care

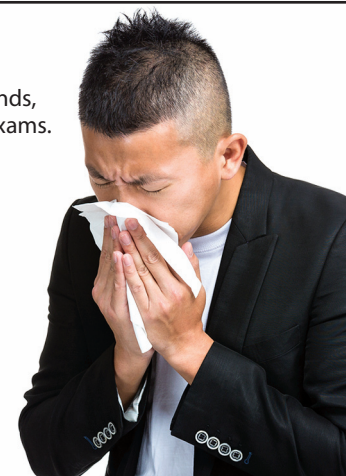
Immediate non-emergent care for illnesses, minor wounds, or injuries from work, sports, home and auto. Physical Exams. X-Rays. Most Insurances accepted, including Kaiser.



With 2 east-side locations!

IN Hilo
969-3051 • 45 Mohouli St.
M-F 8:30am-8:30pm
S-S 8:30am-4:30pm

IN Keaau
966-7942 • 16-590 Old Volcano Hwy.
M-F 8:30am-6:30pm
S-S 8:30am-4:30pm



More than a bookstore ... for over 30 years

BOOKS MUSIC MAPS GIFTS

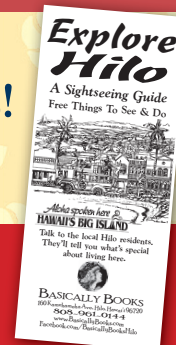
Unique gifts with an island flair!

Voted Best Book Store for 6 Years!

*Ask us for our Explore Hilo Sightseeing Guide
FREE Things to See & Do!*



BASICALLY BOOKS
Facebook.com/BasicallyBooksHilo
961-0144 • www.BasicallyBooks.com
160 Kamehameha Ave, in Downtown Hilo



UNIVERSITY TOWN

Scoring in community service, academics

Aloha! I am pleased to be able to once again write to you now during my second year on the job as your athletics director at the University of Hawaii at Hilo.

Last time, I spoke about our rich history of Vulcans Athletics and the impact our program makes on the lives of our students and in our community. Today, as I write this article (March 2), all of our teams and nearly 100 of our student-athletes participated in the Dr. Seuss Read Across America Day. We visited seven elementary schools, read Dr. Seuss books to more than 2,000 keiki and shared with them the importance of reading, listening to their teachers and doing well in school.

This event and numerous others during the past year is one way in which Vulcans Athletics is able to help enrich our community while at the same time providing important leadership and development opportunities for our student-athletes. Because of the commitment of our coaches, student-athletes and staff, Vulcan Athletics was honored by the PacWest Conference with a community service and civic engagement award earlier this year. This is the first time a Hawaii school has received this prestigious award, and I am so proud of our program for going above and



**Patrick
GUILLEN**
Athletic Director

beyond in earning it.

We will always strive our very best to pursue and achieve athletic excellence. Overall, this has eluded us with a few exceptions in recent years. However, I am confident that we are moving in the right direction. We are beginning to add resources for our programs and with that will come increased expectations. Our coaches are dedicated to building not just a team, but also a program that our community can be proud of. I am committed to continue to provide the necessary resources to ensure that this continues.

Speaking of new resources, we added to our team one of the best NCAA Division II volleyball coaches in the country in Gene Krieger. He has a long successful history of building championship cultures and programs and has earned national coach of the year honors on three different occasions. We are fortunate to have him here in Hilo, and I believe he is the right person to lead our program back to national prominence.

We will also be adding a new head soccer coach, giving

each of our men's and women's soccer teams their own head coach for the first time in the history of our program. This is greatly needed, as it is unreasonable to expect and ask one coach to successfully attempt to lead both programs that consists of nearly 70 student-athletes. This will greatly enhance the overall student-athlete experience for this program.

I am happy to have added three strong staff members to my senior leadership team in Kula Oda, Russ Blunck and Roxanne Levenson. Kula has been at UH-Hilo for many years and oversees internal operations as the associate athletic director. Roxanne is serving as our new NCAA compliance officer and comes to us from Seattle University. She has 20-plus years of NCAA compliance experience and is a strong addition to our program. Russ started in the fall and came to Hilo from Pacific University in Oregon. Russ is our new sports information director and has years of experience in marketing and promotions that will increase the exposure of Vulcan Athletics.



HOLLYN JOHNSON/Tribune-Herald

UH-Hilo's Brian Ishola goes up for a layup against Hawaii Pacific University on Jan. 21 during a Pacific West Conference game.

Finally, the main reason why we are here is to recruit, retain and graduate our students. I am happy to report that we are doing quite well in this area. In 2015-16, our retention rate was 88 percent, an increase from 75 percent in 2014-15. Our cumulative overall team grade point averages have increased from 2.90 in 2014-15 to 2.96 in 2015-16.

While this is an

accomplishment, we can always do better. Therefore, in fall 2017 we will be opening a Student-Athlete Academic Success Lab which will serve as a dedicated study and research space for our student-athletes. We also will be looking to add the position of academic specialist that will assist us in our top priority, which is to retain and graduate our student-athletes.

I count it a privilege to be in this position and serve this wonderful and amazing community in this way. This is a special place with a rich history and unique and admirable culture. Thank you for supporting our venture to provide the best learning environment possible for our student-athletes.

*Patrick Guillen
is athletics director
of University of
Hawaii at Hilo.*

East Hawaii's Favorite Spots to meet and eat!

UNIVERSITY TOWN

Dine Around



CASUAL AMERICAN & LOCAL STYLE DINING

don's GRILL

Proudly Serving Hilo since 1988

TASTY COMFORT FOOD • FRIENDLY SERVICE
GREAT VALUE

485 Hinano St. Hilo • donshilogrill.com

935-9099

Tues-Thurs 10:30am-9pm • Fri 10:30am-10pm
Sat&Sun 10am-9pm

Follow & Tag us! @SaucyDogsHilo



SAUCY DOGS
14 Furneaux Lane, Downtown Hilo 808-935-7216
Tues-Sat: 11am-6pm & Sun: 11am-3pm

SPRING BREAK SPECIAL
BUY ONE GET ONE FREE!
CHEF ERNIE GRAY'S
POKE MARKET
AT THE HILO FARMERS MARKET KITCHEN



BUY ONE POKE
BOWL OF ANY
KIND AND GET
ONE \$10 POKE
BOWL FREE
WITH UH
STUDENT ID.

OFFER ENDS SAT.
MARCH 25TH, 2017,
3:00PM. OFFER
GOOD FOR ONE TIME
ONLY PER PERSON.

TUESDAY & FRIDAY 10:00AM - 3:00PM
WEDNESDAY & SATURDAY 9:00AM - 3:00PM
97 MAMU STREET - HILO, HAWAII 96720
CHEFERNIEGRAYSPOKEMARKET.COM
(808) 990-9811

SEOUL STATION

Korean Lunch Center

Voted Best Korean Food!

Mon-Sat 6am-9pm

Closed Sun • 933-9301

417 Kalanikoa St., Hilo

(Across Edith Kankaale Stadium)

BENTOS
\$6



OKAZUYA • SUSHI
LOCAL FOOD • BENTO



421 Kalanikoa St. • Across Edith Kankaale Tennis Stadium
OPEN TUES-SAT 5:30AM-1:00PM • CLOSED SUN/MON



935-8273

ENJOY LUNCH BY THE BAY!

LATTE - CAPPUCCINO
FRENCH PRESS - SALAD
SANDWICHES - SEAFOOD
PASTRIES & MORE
WINES - BEER - COCKTAILS



Wai'oli
lounge & iCafe

open daily 7:00am | lunch served 11:00am

HILO HAWAIIAN HOTEL | 71 BANYAN DRIVE | HILO, HAWAII 96720 | 808.969.6470
view full menu: queenscourtrestaurant.com/waioli

MORE THAN JUST CHOCOLATE...

Acai Bowls
Fruit Smoothies
Taro Burgers
Fudge Brownies
& More!



Hawaiian Crown Plantation and Chocolate Factory

160 Kilauea Avenue in Hilo • 808-319-6158

Facebook.com/hicrownhilo • On Instagram @hawaiiancrownhilo

Food With Friends Tastes Better!

Authentic
Affordable
Delicious



AMIGOS TAQUERIA

250 Keawe St. in Downtown Hilo
Mon-Sat 10am to 9pm • 808-464-4827

MIYO'S
very homestyle japanese restaurant



BENTOS
Available
Mon-Sat 9am

Call a day
ahead for orders
over 10

935-2273

564 Hinano St.

Mon-Sat 11-2 & 5:30-8:30 • Across Big Island Candies

HUNGRY?

We've got lots of choices at
Kea'au Shopping Center!

PIZZA HUT
LEMONGRASS RESTAURANT
L&L DRIVE-IN
FOODLAND KEA'AU
SUBWAY
KEA'AU NATURAL FOODS
THE COFFEE BEAN & TEA LEAF

KEA'AU SHOPPING CENTER

COUSINS
Seafood & Bento



Home of the
Fresh & Local

- Poke Bombs
- Sashimi Bentos
- Local Fusion Food
- Customized Catering

(808) 969-9900

14 Lanikaula St.
Next to Subways



\$1 OFF Food or Drink
With coupon

Sweet Cane Café

Farm Fare Salad

Pitaya Bowl

Nori Wrap

Sweet Cane Café 48 Kamana Street 934-0002
Sweet Cane By The Bay 116 Kamehameha Ave 657-4198
Sweet Cane @ UH Hilo Student Life Center

exp. 4/29/17