



UNIVERSITY OF
GUAM
UNIBETSEDÁT GUÅHAN

2017-2018
Annual Report



UNIVERSITY OF GUAM

2017-2018 ANNUAL REPORT



Published by the
UNIVERSITY OF GUAM

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This Annual Report covers
academic year 2017-2018.

The University of Guam is a U.S.
Land Grant Institution accredited by
the Western Association of Schools
and Colleges Senior College and
University Commission and is an equal
opportunity provider and employer.

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a Direction and an Identity

MESSAGE FROM THE CHAIRPERSON

The University of Guam is at the start of an exciting new chapter. This past summer we bid farewell to Dr. Robert Underwood and his visionary leadership as the University's 10th president. In his 10 years, the University has developed a stronger identity, a greater role of leadership in the region, and a more sustainable financial footing, among many other accomplishments.

Now we look to the next era of leadership under our 11th president, Dr. Thomas Krise, who joined us in August. With his familiarity of U.S. territories and their specific challenges and opportunities, his military background, and his experience as a research institute director, academic dean, and university president for an institution of our size – Pacific Lutheran University – he brings a portfolio of assets and ideas that will guide UOG into its next chapter of growth.



Some of that growth has already begun. The University broke ground this March on the School of Engineering and in April dedicated a site for a federally funded Guam Cultural Repository to be built on the UOG campus. Plans are moving forward to soon begin construction on a new Student Success Center, and an RFP is in the works to build a 300-room dormitory for students of UOG's Professional & International Programs.

In the meantime, the board has been dedicated to creating and maintaining the policies that make UOG a leader in the community and an attractive choice for high-quality faculty, staff, and students. These people are undoubtedly what make UOG a truly great institution, and this Annual Report only scratches the surface of their accomplishments last academic year.

Behind every great university are even greater supporters. The board humbly thanks all of the generous donors to the UOG Endowment Foundation. With your support, the University has been able to enrich the learning experience for our students and deliver research, knowledge, and services of value to the community.

Ms. Elizabeth Gayle
Chairperson
University of Guam Board of Regents

MESSAGE FROM THE PRESIDENT

It is my sincere honor to join the University of Guam family and to continue the leadership of an ambitious and truly unique institution.

The theme of this report is **Kahulo'**, which means to "raise up" or "climb up" and represents the character of our collective Triton Spirit to rise above and to be more.

UOG – with its distinctive history, culture, and geography, its nationally and internationally recognized research units, and its skilled and passionate people – is well-positioned to make an even larger impact on an even larger scale. We know who we are and where we want to go. Now it's time to define what makes us indispensable as an institution and to capitalize on those aspects. It's time for UOG to become its best self.



The past year has brought one of our largest-ever commencement of 319 students in the Fañomnåkan Class of 2018, new developments in degree and course offerings, academic achievements on par with national statistics, and research of international value. Externally, the University has produced high-impact events, notably the One Guam Debate, Annual Research Conference, and Regional Conference on Island Sustainability. The University has also advanced its leadership on sustainability by starting a community advisory board for island sustainability and entering into an exclusive network in which UOG can collaborate with international researchers and contribute to global sustainability solutions.

And amidst a substantial shortfall in government appropriations, the administration of the University, under Dr. Underwood's leadership, has made significant strides in UOG's financial self-sustainability. These changes will ensure stability in our commitment to our students.

Our students, faculty, and staff have been behind each of the successes presented in this report, and I thank each of them for their passion for this University, for this island, and for all of Micronesia.

As we continue on UOG's path toward greatness, we commit to achieving excellence and innovation in academics while maintaining a strong respect for the culture and diversity that make UOG a unique institution of higher education.

Thomas W. Krise
President
University of Guam

UNIVERSITY LEADERSHIP

Board of Regents (2017-2018)

Elizabeth C. Gayle, Chairperson
Jillette T. Leon Guerrero, Vice Chairperson
Elvin Y. Chiang, Treasurer
Mari Flor Herrero, Regent
Christopher K. Felix, Regent
Dr. Hyo Sang Ji, Regent
Jerold W. Filush, Regent
Liza J. Provido, Regent
Annie Fay Camacho, Student Regent

President's Council

Thomas W. Krise, President
Anita Borja Enriquez, Senior Vice President of Academic & Student Affairs
Randall Wiegand, Vice President of Administration & Finance
Rommel Hidalgo, Chief Information Officer
Norman Analista, Director of Development & Alumni Affairs
Lawrence Camacho, Dean of Enrollment Management & Student Success
Remy Cristobal, Associate Dean of Enrollment Management & Student Success / Registrar
Larry Gamboa, Chief Human Resources Officer
Joseph Gumataotao, Director of EEO & Title IX /ADA Coordinator
James Hollyer, Special Assistant to the President
Rachael Leon Guerrero, Director of Research & Sponsored Programs
Jonas Macapinlac, Director of Integrated Marketing Communications
Cathleen Moore-Linn, Executive Director, Research Corporation of UOG
David Okada, Chief Planning Officer / Acting Executive Assistant to the President
Victorina Renacia, Legal Counsel

Academic Leadership

Deborah Leon Guerrero, Assistant Vice President of Institutional Effectiveness
Troy McVey, Interim Assistant Vice President of Academic Excellence/Director of Graduate Studies
Lee Yudin, Dean of the College of Natural & Applied Sciences
James Sellmann, Dean of the College of Liberal Arts and Social Sciences
Annette Santos, Dean of the School of Business & Public Administration
Alicia Aguon, Dean of the School of Education
Margaret Hattori-Uchima, Dean of the School of Nursing and Health Sciences
Shahram Khosrowpanah, Interim Dean of the School of Engineering
Monique Storie, Interim Dean of University Libraries
Mary Therese Cruz, President of the UOG Faculty Senate
Tom Schils, Director of the Marine Lab
John Jenson, Director of the Water and Environmental Research Institute
Heidi San Nicolas, Director of the Center for Excellence in Developmental Disabilities Education, Research & Service
Austin Shelton, Executive Director of Center for Island Sustainability and Sea Grant
Adrian Ares, Interim Associate Director of the Western Pacific Tropical Research Center
Sereana Dresbach, Associate Director of Cooperative Extension & Outreach
Kate Moots, Interim Associate Dean of Instruction, College of Natural & Applied Sciences
Sharleen Santos-Bamba, Acting Associate Dean of the College of Liberal Arts and Social Sciences
Carlos Taitano, Director of Professional & International Programs

Dr. Thomas W. Krise: Primed for the Presidency

“My father had always said, ‘You would make a good teacher,’” said Dr. Thomas W. Krise. And though a father’s opinion can naturally repel his children in their teenage years, as it did for Krise and his sister, they both ended up in the fields their father had predicted early on.

It wasn’t the first path he pursued. Instead, he followed in his father’s footsteps into a military career when he received an appointment from the U.S. Virgin Islands congressional delegate to attend the Air Force Academy in Colorado, where spent the next four years pursuing a degree in history.

He spent the majority of his first six years in the U.S. Air Force as an ICBM launch officer in Minot, North Dakota, before he entered the teaching field as an instructor at the Air Force Academy. He served a total of 22 years with the Air Force, 11 of which he spent teaching at the Academy, where he served as a professor, deputy head of English and Fine Arts, president of the faculty senate, and founding director of the Air Force Humanities Institute.

His career in teaching also took him to the University of the West Indies in Jamaica, where he was a Fulbright Scholar; the University of Central Florida, where he chaired the English department; the University of the Pacific in California, where he served as dean of the arts and sciences college; and Pacific Lutheran University in Washington state, where he served as president.

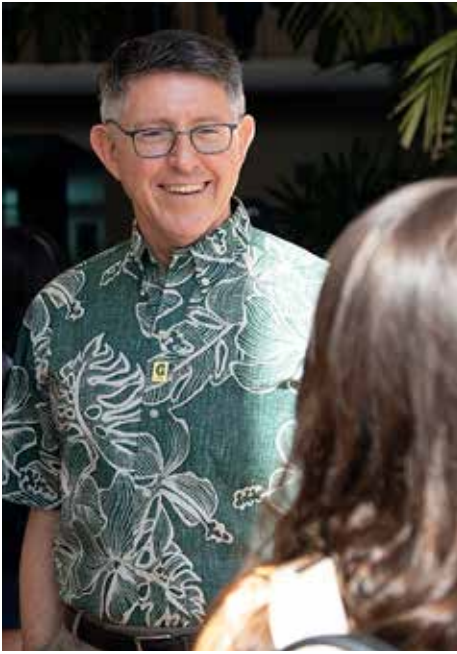
But it’s not only his experience in academia that drew him to respond to an advertisement to become the 11th president of the University of Guam. It was an interest in and affinity for small islands and their distinctive cultures.

An islander from a young age

Krise was born in San Antonio, Texas, but the career of his father – an Army officer and decorated veteran of World War II, Korea, and Vietnam– planted the family in cities across the United States and Germany until his father’s retirement, when they moved aboard their

Continued on next page.





40-foot sloop, sailing up and down the East Coast of the United States and throughout the Caribbean. After nearly two years, they settled on St. Thomas in the U.S. Virgin Islands.

While his parents continued to live aboard their boat, operating a charter business, Krise lived alone on the island from the age of 14 and attended high school, working as a deck hand on the boat during summers and holiday breaks.

It was in the U.S. Virgin Islands that the young Krise first became aware of the unique social and political issues of territories and developed a lifelong affinity for small island communities as well as an understanding of their challenges and opportunities. He delved deeper into the political side when he joined a campaign for a gubernatorial candidate as a senior.

"Because of the Virgin Islands experience and partly because of being involved in politics in high school, the awareness of the status issues has always been prominent with me – a lot of papers I did in school were focused on that issue," he said.

Graduating from All Saints Cathedral School on St. Thomas, Krise remembers his last night on the island thinking that he would eventually like to do something for the islands that had come to mean so much to him. That

question sat with him for a long time.

He went on to earn a bachelor's degree in history from the Air Force Academy, master's degrees in both human resource management and English from Central Michigan University and the University of Minnesota, respectively, and a doctorate in English from the University of Chicago. Throughout that process, his question was answered: He would become an academic and pioneer the study of early Caribbean literature.

"With Guam I feel like I can bring experience and an interest in small island communities and the issues specific to them," he said. "It feels like a place that I can offer things that might be of some value."

Krise, who retired as a lieutenant colonel in the Air Force in 2005 and has held administrative roles in higher education since then, was selected as the 11th president of UOG over the summer and moved to Guam in August.

"We've been welcomed in many places, but never so warmly as here," he said.

He moved here with his wife of 31 years, Patricia. The two met at an aerobics class in Minot, where Patty often traveled for work as a sales representative for Ford Motor Company.

Krise said one of the strongest connections he has made between his time in the Air Force and academic leadership is that leaders need to understand and have the ability to do the core work of an organization.

"A big issue for Air Force service members is that people who can fly need to be in charge of flying units," he said. Under this same philosophy, Krise has always continued to teach throughout his administrative career as an academic. "I'm a better president if I'm teaching because you gain more insight about the organization, about the students, and about the faculty."

Though his schedule as president is demanding, he plans to start by guest teaching in the English department next semester and then potentially co-teaching English next year. He also learns about the University organically through regular meetings he holds with UOG students to learn about their challenges and their feedback on University operations and offerings.

Growing UOG into 'its best self'

Krise has a palpable passion for moving the University into its next chapter.

"UOG is so unique in being the only institution for this huge area – there's no other institution like it. UOG is pretty remarkable," he said.

The University's teaching and research functions are particularly high-quality, he said. "We've got some very serious, very high-end research operations here that you could pick up and drop into any research university in the world," he said.

More generally, he said the University has a lot of smaller things it is doing very well, and the idea behind his leadership will be to expand upon those things.

In looking for how to help the University grow into its next phase, Krise said his goal is to help UOG become its best self.

"You should treat an institution the way you should treat a student. You're trying to figure out what makes the student tick and how do I contribute to helping this person become the best version of themselves?" he said.

He sees the strengths of the University in three prominent categories:

People – serving the people and culture and providing socially relevant approaches through subjects like Chamoru studies, Micronesian studies and areas in which only UOG specializes;

Island – areas of research that are specific to island living and this geographic area, including the work of the Marine Laboratory and the Water & Environmental Research Institute; and

Leadership – capacity to produce leaders throughout the region. He noted UOG alumni serve as top government officials and heads of organizations throughout Micronesia.

The challenge, he said, becomes what we pursue and in what order to take full advantage of UOG’s unique opportunities.

One specific opportunity is expanding UOG’s regional mission. While everyone is aware of the region, he said, he would like to see students getting more personally acquainted with the region and conversely to see more students from the region attending UOG – whether physically, through online courses, or via faculty who travel to other islands to teach.

Online courses, in general, or hybrid options would be a positive development for UOG, he said. It would reach a greater number of students while also generating more revenue. “It’s probably the most immediate way we can expand,” he said, though it has to be done well.

But number one on his to-do list, he said, is improving student retention. The problem is not unique to UOG, he said. Many institutions are seeing an increasing number of first-generation students, who aren’t as likely to stay the course because they haven’t

“UOG is so unique in being the only institution for this huge area – there’s no other institution like it.”

Dr. Thomas W. Krise, President

had life-long mentorship and preparation for college from family members. “We, as an institution, have to fill all that in – those Thanksgiving table conversations. Every time I’m talking to students, I ask, ‘How many people intend to finish a degree?’ All of the hands should go up. That’s the point of being here.”

Ensuring a stable future

While some of his ideas to grow and make improvements are possible using resources the University already has, certainly, the need for stable funding is an underlying factor.

“It’s hard to be excellent in a very turbulent financial situation,” he said.

The University is short \$3 million in government-promised funding on its \$45 million budget, and the upcoming budget is \$4.9 million less than the previous year.

The nation as a whole is seeing a trend of public disinvestment in higher education and education in general, which means public universities need to take a different approach.

“All universities need to think of themselves as private universities do. If you think more like an entrepreneurial, private institution, I think that’s how public universities will thrive in the future,” he said.

Still, the University remains hopeful that the government support will return.

“We really do need to invest in education at all levels. It’s worth it, and it pays dividends,” he said. “There isn’t an investment you can make that returns more to society than education. The whole future is dependent on our collective education.”





Institutional Profile

Founded in 1952, the University exists to serve its learners and the communities of Guam, Micronesia, and the neighboring regions of the Pacific and Asia.

UOG's origins begin with the creation of a two-year teacher-training college by the U.S. Department of Education. In 1963, administrative control was transferred to a local Board of Regents. That same year accreditation was granted as a four-year degree-granting institution.

In 1968, by act of the Guam Legislature, the college officially became the University of Guam. Recognized as a Land Grant institution in 1972, UOG has become a leading public university offering 25 undergraduate and 11 graduate degree programs.

These degree programs are administered by six schools and colleges:

- College of Liberal Arts and Social Sciences (CLASS)
- College of Natural and Applied Sciences (CNAS)
- School of Business and Public Administration (SBPA)
- School of Education (SOE)
- School of Engineering (SENG)
- School of Nursing and Health Sciences (SNHS)

ACADEMICS

UOG's reputation as a student-centered university is well-deserved. Faculty take pride in their ability to teach and reach students, preparing them with the skills needed to succeed in life.

The University of Guam is also a developing center for graduate education and research excellence, boasting affiliations with federal land grant, sea grant and space grant programs.

There are 340 faculty, 180 of them full-time. The undergraduate student-to-faculty ratio is 16:1. The average undergraduate class size is 19.

ACCREDITATION

The University of Guam is accredited by the Western Association of Schools and Colleges Senior College and University Commission (WSCUC) In addition to WSCUC accreditation, the following organizations have accredited specific academic programs:

- Council on Social Work Education (CSWE) for the undergraduate Social Work program;
- International Assembly for Collegiate Business Education (IACBE) for the Business Administration programs;
- Council for the Accreditation of Educator Preparation (CAEP) for the Education programs;
- Accreditation Commission for Education in Nursing, Inc. (ACEN) for the Nursing program.

RESEARCH UNITS

- Cancer Research Center
- Center for Excellence in Developmental Disabilities Education, Research and Service (Guam CEDDERS)
- Cooperative Extension Service
- Marine Laboratory
- Micronesian Language Institute
- Richard F. Taitano Micronesian Area Research Center (MARC)
- Sea Grant
- Water and Environmental Research Institute of the Western Pacific (WERI)
- Western Pacific Tropical Research Center (WPTRC)

UNIVERSITY CENTERS

- Center for Island Sustainability
- Small Business Development Center
- Pacific Islands Small Business Development Center Network
- Women in Business Center
- Guam Procurement Technical Assistance Center
- Guam Veterans Business Outreach Center
- Isa Psychological Services
- Isla Center of the Arts
- Pacific Center for Economic Initiatives
- Regional Center for Public Policy
- Bank of Hawaii Center for Entrepreneurship and Innovation



STUDENT ENROLLMENT

3,917

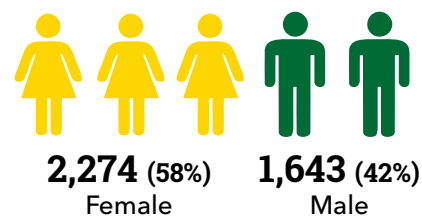
Based on enrollment data from Fanuchanan 2017

3,533
DEGREE-SEEKING
UNDERGRADUATES

450
INCOMING NEW
FRESHMEN

336
GRADUATE STUDENTS

48
NON-DEGREE-SEEKING
AND POSTGRADUATE
STUDENTS



 **FULL-TIME**
74% (2,908)

 **PART-TIME**
26% (1,009)

AVERAGE AGE

Undergraduates: 23

Graduates: 32

Non-degree: 39

TUITION & FEES

Based on AY 2017-2018 rates for full time students in both the Fañuchånan (Fall) and Fañomnåkan (Spring) semesters.

UNDERGRADUATE STUDENTS

\$5,802

GRADUATE STUDENTS

\$5,944

FINANCIAL AID

Based on AY 2017-2018.

UOG students who applied for financial aid on average received:

\$4.6K

FEDERAL PELL GRANTS

\$6.1K

FEDERAL LOANS

\$10.1K*

LOCAL FINANCIAL ASSISTANCE

*includes Merit Scholarship, Protech, and other professional scholarships.

2017-2018 DEGREES CONFERRED

583

475

BACHELOR'S DEGREES

108

MASTER'S DEGREES



360 (62%)
Female



223 (38%)
Male





UOG Honors 2017 Distinguished Alumni Award Winners

Six individuals were named winners for the 2017 UOG Distinguished Alumni Awards on October 28 at the Hilton Guam Resort & Spa.

(Back row, left to right) Tito Castro, VP/President-Elect of the UOG Alumni Association; Norman Analista, UOG Director for Development & Alumni Affairs; Dr. Anita Borja Enriquez, UOG Senior Vice President for Academic & Student Affairs; Dr. James Sellmann, Dean of the College of Liberal Arts & Social Sciences; Dr. John Sanchez, Former Dean of the School of Education; Dr. Margaret Hattori Uchima, Dean of the School of Nursing & Health Sciences; Amanda Shelton, President of the UOG Alumni Association; Giana Pangelinan, Treasurer for the UOG Alumni Association; Jim Hollyer, Special Assistant to the President; and Dr. Robert Underwood, former UOG President.

Distinguished Alumni Award Winners (front Row left to right):

MILITARY

Ret. Colonel Reynold F. Palaganas

Missile Defense Agency (MDA) Liaison Officer to U.S. Pacific Command (USPACOM), Camp Smith, Hawaii
B.A. Political Science and English Literature (double major);
Minor: Military Science, 1982

SCHOOL OF EDUCATION

Magdalena Hallers

College of Micronesia/FSM, Professor of Education
B.A. Special Education, 1994
Master of Education, 2000

SCHOOL OF NURSING & HEALTH SCIENCES

Josie Zamora

Guam Memorial Hospital Authority, Hospital Nurse Supervisor II
A.S. in Nursing, 1986

COLLEGE OF NATURAL & APPLIED SCIENCES

Dr. Jerry Castro

Guam E.N.T., LLC, Sole proprietor
B.A. Biology, 1988

SCHOOL OF BUSINESS & PUBLIC ADMINISTRATION

Carlos Camacho

Micronesia Self-Help Housing Corporation,
Executive Director
BBA Finance and PMBA, 2005

COLLEGE OF LIBERAL ARTS & SOCIAL SCIENCES

Amata Coleman Radewagen (Aumua Amata)

American Samoa's third Member of Congress
B.A. Psychology, 1975

17,500+ ALUMNI

MAKING A DIFFERENCE ALL OVER THE WORLD.



5,000+
EDUCATION



1,000+
NURSES and
HEALTH PROFESSIONALS



1,700+
COMMUNITY
LEADERS



300+
JOURNALISTS and
COMMUNICATION
PROFESSIONALS



230+
COMPUTER
SPECIALISTS



300+
SOCIAL
WORKERS



4,000+
BUSINESS
LEADERS



300+
COMMISSIONED
MILITARY OFFICERS

THE ROAD TO THE GREAT UOG

In 2012, former University of Guam President Robert Underwood launched the Good to Great (G2G) initiative creating what would become the institution's keystone and its mantra through 2018. G2G was borne out of necessity. Financial struggles, increased competition, technological advances, and internal complacency needed to be addressed, and G2G provided the framework to help the University think about itself and its place as the only U.S.-accredited higher education institution in the region. The University needed to change in order to not just remain relevant, but to become something greater in the years to come.

Underwood organized several meetings and committees with representatives from every group at the University. Conversations were held with students, staff, faculty, and administrators so each could understand the process and provide input and perspective in how the plan should move forward. In 2014, an Implementation Plan was released to the UOG Community.

Underwood wrote in the G2G Implementation Plan in 2014, "We must plan for our future. We must meet our mission as a University by identifying those activities in our academic programs and themes in our research and engagement that identify us as a Great University."

The process yielded a Statement of Greatness and five major themes that would guide the University's projects and planning over several years:

UNIVERSITY OF GUAM

I CHALAN
PARA I

MA'GAS

THE ROAD TO GREATNESS



IMPROVEMENTS TO THE STUDENT EXPERIENCE

An institution-wide effort to improve the student experience and student success has yielded more opportunities for students than ever before. More financial aid, academic resources, and advisement is available. Triton Athletics was re-launched to bolster student life. Graduation and retention rates are higher. UOG received an additional eight years of accreditation, due in large part to G2G and its focus on students. Changes to academic programs have yielded a standardized amount of credit hours for each degree and opportunities for travel experiences and community projects for each student.

CONNECTIVITY OF THE UNIVERSITY

After reorganizing the Office of Information Technology and hiring a Chief Information Officer, the University has leveraged Guam's unique location and its connection to high-speed underwater

fiber-optic cables to join a global research network that allows fast data sharing to other research institutions all over the world. Continued improvements to Wi-Fi access and speeds prepares the University for the increased demands of the digital age. Improvements to the UOG website and the creation of the TritonGo mobile app keep Tritons more connected to UOG than ever before.

HUMAN RESOURCES MANAGEMENT AND THE CHANGING PORTFOLIO

There cannot be a "Great University of Guam" without great people. A leadership development program for faculty was recently completed, and programs for staff and administrators are being developed. The Research Corporation of UOG makes hiring staff for grant-funded projects faster and more efficient. Now RCUOG has over 100 staff employed.

ACHIEVING FINANCIAL BALANCE AND FUNDING OUR FUTURE

Decreased support from the Government of Guam continues to be of concern, but this an issue that all state-funded higher education institutions face. It is not unique to Guam. G2G created a rubric by which to evaluate and prioritize academic and administrative programs, identifying some programs for closure or transformation. UOG continues to evaluate potential revenue generators and legislation to pursue an existence less dependent on government appropriations. RCUOG has not only facilitated the hiring of personnel and processing of purchases, its efficiency has also

led to increased grant-writing by faculty and academic units. RCUOG now manages over \$12 million in funds.

THE USE OF BIG DATA

Through G2G, the University has committed to create an environment of data-driven decision-making. UOG is developing an integrated data system and analytics to keep its stakeholders informed and has moved many of its processes to an electronic format.

With the map to greatness charted out, the University has been steadily making progress on a number of the more than 100 action items identified in

G2G. The WASC Senior College and University Commission applauded UOG’s efforts as “ambitious” and “progressive” in its 2016 accreditation report, thus sustaining the momentum within the five focus areas for the years ahead.

“Much has been accomplished over the last five years, but the G2G process is still ongoing,” Underwood said. “The University of Guam wants to be GREAT—serving Guam and the Region with successful students and contributors to society, meaningful research, and continued engagement and involvement in current issues facing our communities.”



THE PROGRESS OF PRIORITIZATION

BUILDING BLOCKS

- PL 32-114 Established the Research Corporation of the University of Guam (Currently has \$12.6M in over 90 grants and over 100 employees)
- PL 32-237 Student Financial Assistance law changed. \$500K available for graduate students.
- Revived Research Council - emphasis on region and interdisciplinary approaches
- Hired a chief information officer
- \$200K provided for Library resources support
- Established UOG Press, hired editor

ACADEMIC PROGRESS

- 124 credit hours for undergraduate programs
- 33 credit hours for graduate programs
- Programs were identified for closure or consolidation.
- All undergraduate degree programs have identified capstone courses
- All programs have identified faculty FTEs working in the program
- \$400K allocated for academic G2G initiatives

204 TACTICAL TASKS & RECOMMENDATIONS

COMPLETED	ONGOING	MULTIPLE	RECONSIDERED
67	98	18	21

The G2G implementation plan identified 204 tasks and recommendations that the University has been working towards completing over the last three years. These include:

- Academic program benchmarks
- Program prioritization
- Investment in higher ranked programs
- Program transformation for lower ranked programs
- New ideas for instruction and research
- Investment in faculty and staff development

SUCCESSFUL INITIATIVES

- Transformative Grants: EPSCoR (\$6.0M), U54 Cancer Grant (\$5.4M), NASA-related grants (\$1.0M)
- Responsive Initiatives - Micronesian Biosecurity Plan for Department of Navy (\$1.2M)
- Building Networks - Cooperative Ecosystems Units (CESU) with DOD (\$3M)
- Sea Grant, Western Pacific Tropical Research Center, Water and Environmental Research Institute, Center for Island Sustainability

H A F A

UNIVERSITY
UNIBETSED
EST.



ADAI


UNIVERSITY OF GUAM
GUAM GUAHAN
1952

KAHULO'

2017-2018
HIGHLIGHTS



UOG celebrates 50th Charter Day

For one day a year, the University of Guam opens its campus to the entire island, sharing all that makes UOG a great institution with the community it promises to uphold and serve.

In 1968, Gov. Manuel F.L. Guerrero proclaimed the first-ever Charter Day on Dec. 17 through Executive Order 74-09. Charter Day was later moved to the month of March, and the Tritons have celebrated annually ever since. This year marked the 50th Charter Day for the University.

Charter Day celebrates an institution with a history of innovation, courageous risk-taking, cultural expression, and preservation. The event recognizes the academic and professional accomplishments of nearly 4,000 students, more than 17,500 alumni, the staff who keep the institution running, and the faculty who serve as mentors and conduct meaningful research, and an institution that engages our island communities.



UOG continues to be progressive in its approach to educating and developing future Tritons. Today most of the professionals who are now revitalizing the island received their education at UOG.

"I'm fond of saying that there isn't a bank, school, hospital, business, or government agency in our island that region that doesn't have a UOG Triton working there," said former UOG President Dr. Robert Underwood. "Tritons are making a difference in our island communities. They are the thought leaders and provokers who are influencing the economic and political progress of our region."

Over the years, Charter Day has hosted a mix of cultural and educational events, including fun community-building activities.

The University's academic divisions and student organizations also attend to promote their programs.

For many elementary, middle, and high school students, Charter Day is their first introduction to UOG and an opportunity to engage with members of the University community. Part of UOG's mission is not only to educate its student body, but also to inspire the island's future engineers, teachers, nurses, and politicians.

Beyond the campus borders, UOG strives to meet these students again and again – in their classrooms, at fishing derbies, on beach cleanups, and hopefully, when the time comes, once again in its own classrooms to help them achieve their dreams.

BIBA UOG CHARTER DAY!





UOG breaks ground for School of Engineering

The University of Guam and industry leaders celebrated the groundbreaking of the University's School of Engineering on March 19, 2018.

The 16,000-square-foot building will feature six faculty offices, two state-of-the-art classrooms, three laboratories for soil structure, hydraulics, environmental engineering, and a computer lab. The University established the School of Engineering in 2016, in part, to address a shortage of local engineers in Guam and other islands in the Western Pacific.

UOG currently offers a two-year pre-engineering program, where students can go on to complete their degrees at partner institutions, such as the University of Iowa and Mapua University in the Philippines. The University is on track to expand this program into a four-year degree program in 2019.



Top photo: Officials participate in the School of Engineering groundbreaking ceremony in March 2018.

Bottom photo: Dr. Shahram Khosrowpanah, Interim Dean of the School of Engineering, addresses the audience.

UOG joins global network of sustainability solutions



A Token of Appreciation

A University of Guam delegation presents Arizona State University President Michael M. Crow with a gift from Guam. ASU is sponsoring UOG's Center for Island Sustainability to be a member of the Global Consortium for Sustainability Outcomes.

In June 2018, the University of Guam became the newest member of the Global Consortium for Sustainability Outcomes (GCSO), an invitation-only international network of universities and research institutes advancing solutions to sustainability challenges through research, development, and capacity building.

"This is huge," said Dr. Anita Borja Enriquez, UOG's Senior Vice President for Academic Affairs. "Being part of GCSO will bring a lot of possibilities and funding opportunities to improve sustainability on our island while also contributing evidence-based research to sustainability solutions worldwide."

Enriquez led a UOG delegation to Arizona State University in February that resulted in the invitation to join. The delegation shared UOG's sustainability initiatives with ASU President Michael M. Crow, who has committed ASU to sustainability and also provides ASU staff to support GCSO. Crow subsequently decided to invest in the UOG Center for Island Sustainability (CIS) and have ASU sponsor half of its GCSO membership dues for the first year. 100% of dues are returned to members to execute projects.

"UOG's niche focus on island sustainability will bring unique value to the consortium's research portfolio, in addition to its wider reach to global sustainability partners," Enriquez said.

The consortium was particularly interested in UOG as an island institution, since islands often

experience sustainability issues first, to include climate change impacts and resource depletion, said Dr. Austin Shelton, Executive Director for CIS. Shelton will serve as UOG's representative in the 12-member network.

As part of the consortium, CIS will interact regularly with GCSO's other international member institutions and high-caliber researchers to develop competitive funding proposals and implement sustainability solutions.

Above Photo: (From left) Dr. Austin Shelton, Executive Director for UOG's Center for Island Sustainability; Rommel Hidalgo, UOG Chief Information Officer; Crow; Dr. Anita Borja Enriquez, UOG's Senior Vice President for Academic Affairs; and Cathleen Moore-Linn, Interim Executive Director of the Research Corporation of the University of Guam.



Nursing program secures eight years of accreditation

The B.S. in Nursing program was granted another eight years of accreditation following its review by the Accreditation Commission for Education in Nursing (ACEN).

UOG's School of Nursing & Health Sciences received the notification letter on Aug. 8, 2018, which cited the program's partnerships with community health care organizations as one of its biggest strengths.

"This demonstrates the quality of education we have at UOG," said Margaret Hattori-Uchima, Dean of the School of Nursing & Health Science. "ACEN requires a high standard for education, and through the accreditation process,

we have been able to develop and maintain a quality nursing education program."

The program has been accredited since 1996.

The school has longstanding partnerships with all three of the island's hospitals, several other major health care providers, and several government of Guam agencies through which the nursing students do their clinicals.

"We cannot provide a comprehensive and holistic nursing education program without these partners," Hattori-Uchima said. "Clinical practice is vital to a competent nurse, and these partners provide that experience."

In the past three years, UOG's partnerships have grown to include Guam Regional Medical City, the Latte Stone Nurses Association, and the University of Santo Tomas Alumni Association of Guam. The latter two provide scholarships to the students.

The accreditation letter also cited "extraordinary" financial support for the program, which receives strong fiscal support from the UOG administration, federal grants, and the community, including an annual contribution from TakeCare Insurance Co., tuition assistance and stipends from the UOG Endowment Foundation and UOG Financial Aid Office, and financial support from private entities.

UOG memorializes builders of Calvo Field House

The University of Guam honored two individuals who were vital in the funding and construction of the Calvo Field House from 1980-1983 in a ceremony held on Aug. 3, 2018. The names of Audrey Camba and George Viegas appear on a plaque at the entrance of the building that has been well-utilized and enjoyed for community and University events the past 35 years.





UOG Triton Athletics Hall of Fame Class of 2017

(Photo from left to right)

John Borden

Football, 1974-1978

Hauhouot Diambra-Odi

Men's Soccer Coach,
1995-1998

Tommy Morrison

Baseball, 1994-1998

Susan Lupola

Women's Basketball,
1988-1994

Ronald Camacho

Football, 1974-1979

Theresa P. Sison

(not shown)
Women's Basketball,
1988, 2001-2004

Triton Athletics honors inaugural Hall of Fame Class

The University of Guam Triton Athletics Department honored its first class of Athletics Hall of Fame inductees on Oct. 29, 2017, at the UOG Calvo Field House.

Susan Lupola, who played basketball at the University of Guam, said that over the years,

she's seen a lot of growth in both the facilities and programs in the athletics department. Being a former student athlete, she's excited for all that is to come for the next generation of Tritons.

"Just having the program available for all of the athletes

was a wonderful opportunity," she said. "I'm so glad to see that UOG Athletics has been revived. The accomplishments that these current teams are having right now are music to my ears."

The Hall of Fame will induct a new class annually.

New master's degree focuses on agriculture, food, and natural resources

The College of Natural & Applied Sciences announced a new graduate program – Sustainable Agriculture, Food, and Natural Resources (SAFNR) – starting in Fanuchanan 2017. The new graduate program offers a master's degree in food and nutrition or sustainable agriculture and natural resources.

Additionally, working professionals can obtain a graduate certificate in one of five areas: island sustainability,



international agriculture, agriculture and natural resources, tropical horticulture, or food and nutrition. All tracks and certificates focus on various aspects – appropriate to the Western Pacific Region – of food

systems and sustainability for community health and resource conservation.

The SAFNR Program was developed in response to a series of surveys and listening sessions that CNAS held with community partners, UOG students, and alumni from 2010 to 2016. Stakeholders expressed a desire for advanced training in island and community sustainability with a focus on local and regional issues.



CIS launches Island Sustainability Community Advisory Board

The Center for Island Sustainability launched the inaugural Island Sustainability Community Advisory Board with the first meeting taking place in July 2018. The board is comprised of local leaders and captains of industry and government who will set strategies to cultivate a sustainable future for the region.



UOG CHamoru Studies partners with LearningChamorro.com

The University of Guam signed a memorandum of agreement with LearningChamorro.com in September 2017. The website will be used in the University's CHamoru Studies program. (From left) former UOG President Robert Underwood, Senior Vice President of Academic & Student Affairs Dr. Anita Borja Enriquez, founder of LearningChamorro.com Dr. Gerhard Schwab, Siñora Rosa Salas Palomo, UOG CHamoru Studies program, and Dr. Margaret Hattori-Uchima, Dean of the School of Nursing and Health Sciences.



UOG to host and manage Guam Cultural Repository

The 2017 National Defense Authorization Act appropriated funding to the Governor of Guam for the construction of the cultural repository. A 10-acre property within the UOG campus was selected. A site dedication for the proposed Guam Cultural Repository was held on April 30, 2018, at the Mangilao campus.

(From left to right) Western Regional Director of the U.S. Department of Defense Office of Economic Adjustment Gary Kuwabara, Gov. Eddie Baza Calvo; Guam Delegate Madeleine Z. Bordallo, former University of Guam President Robert Underwood, Commander of Joint Region Marianas Rear Admiral Shoshana Chatfield.

Education graduates shine in Praxis exams



School of Education Graduate Alicia Perrin is recognized as the valedictorian of the Fañomnåkan 2018 Class by senators of the Guam Legislature. Perrin also scored in the 98th percentile, the highest in her class, on the Praxis exams.

Half of all education undergraduate students who earned degrees in the Fañomnåkan 2018 semester performed above the 80th percentile nationally on one or more of their Praxis exams. One student landed in the 98th percentile.

Eleven out of the 22 graduates in May 2018 scored in the top 80 percent on at least one of their Praxis series tests.

"I think the support from peers, studying, and paying attention

in all our courses were the key to our Praxis success," said graduate Alicia Perrin, who scored in the 98th percentile, "but the recent addition of even more resources can only help the future students of the School of Education." Perrin was the Fañomnåkan 2018 Class Valedictorian.

The Praxis is a series of tests that education majors are required to pass by law in order to become a certified teacher in Guam or in the United States.



Gubernatorial candidates discuss decolonization at One Guam Debate

The May 2018 graduating candidates of the School of Business & Public Administration's Master of Public Administration program and the Regional Center for Public Policy hosted the One Guam Gubernatorial Debate on May 8, 2018. The debate was a capstone project for the students, focused solely on the topic of decolonization.

The event marked a milestone in the island's progress toward decolonization and was highlighted by Guam's Commission on Decolonization director, Amanda Blas, in testimony before the United Nations in May 2018 in Grenada.

"The University of Guam held the first gubernatorial debate in Guam's history centered on decolonization," her testimony said. "This historic debate highlighted the importance of our island's leadership's involvement in self-determination efforts."



UOG renames semesters to reflect Guam's seasons

The start of the 2017-2018 academic year brought with it new semester names in line with the local seasons. Spearheaded by former UOG President Robert Underwood, the fall and spring semesters were officially renamed fanuchånan and fañomnåkan, respectively, meaning "a place for rain" and "a place for sunshine."

9th Conference on Island Sustainability

The University of Guam hosted the 9th Annual Regional Conference on Island Sustainability from March 27 to 30, 2018. Under the theme "Island Alliance for Sustainable Action," leaders in sustainability from Micronesia, Asia, and the United States came together to discuss common strategies and activities in response to climate change, sustainable energy production, and natural resources.

Outgoing UOG President Robert Underwood (center) was presented with a legislative resolution and a carved storyboard for creating the UOG Center for Island Sustainability and his contributions to island sustainability in the region.



2018

UNIVERSITY OF GUAM CONFERENCE ON LAND SUSTAINABILITY

 @uogcis #uogcis2018



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NOW AVAILABLE



TritonGO: UOG launches official mobile app

The University of Guam launched its first official mobile application – TritonGo – for both Apple and Android devices in March 2018. The app is free to download and available from the Apple App Store and Google Play.

“TritonGo delivers a wide range of information about UOG and campus services,” said Jonas Macapinlac, UOG Director of Integrated Marketing Communications. “Among the features are mobile versions of WebAdvisor, Moodle, Triton Email, resources like course schedules, catalogs, and there’s much more to come.”

UOG’s Integrated Marketing Communications Office and Office of Information Technology collaborated to build the app.

Rommel Hidalgo, UOG chief information officer said, “One of our strategic goals in the University’s Good to Great initiative is to continually improve the student experience. We developed this mobile app as a key part of that goal.”

TritonGo offers other features like up-to-date news and events, social media, and even a mobile game where Tritons can test their skills and post to a leaderboard.

Visit www.uog.edu/tritongo for more information.

TritonGo 1.0 Features:

- **News and Events:** The latest UOG news and information about important campus and University events.
- **Triton Life:** Find out more about student life at UOG and check out points of interest in Mangilao.
- **WebAdvisor:** A mobile version of the widely-used student information and services application
- **Moodle:** Access courses, assignments and more for your online courses.
- **Social Hub:** View all of the University’s social media channels in one place.
- **Campus Directories:** Find contact information for UOG employees and departments
- And more!

KAHULO'

STUDENT
ACHIEVEMENT





Nursing grads earn 100% NCLEX pass rate two years straight

For the second consecutive year, an entire cohort of nursing graduates from the University of Guam School of Nursing and Health Sciences (SNHS) achieved a first-time pass rate of 100 percent for the National Council Licensure Examination (NCLEX). This accomplishment surpasses the national average first-time pass rate of 90.04 percent for the 2016-2017 calendar year.

The NCLEX is a standardized test nursing graduates must take to become registered nurses.

"We're so very proud of our graduates," said SNHS Dean Dr. Margaret Hattori-Uchima. "This is the first time in UOG history that we have made it two years in a row. We're very happy and thankful to all people who helped them perform so well."

UOG nursing graduates in 2003, 2010, and 2016 also earned a 100 percent pass rate for the NCLEX, making 2017 the fourth year that graduates were able to accomplish such a goal.

Hattori-Uchima credits the extra time and effort volunteered by the SNHS faculty to the great success.

"Each student had a personal mentor for NCLEX prep," she said. "These students really wanted the help. And I think the combination of the faculty giving their time and expertise, the students' willingness to take the faculty's advice, and the support of the University that culminated into this achievement."

With support from an annual donation from TakeCare Insurance,

UOG was also able to provide students with nationally recognized online review courses for free.

"The TakeCare funding allows us to be innovative," Hattori-Uchima said.

Local medical facilities have also embraced the 2017 nursing cohort with open arms, praising their preparedness and caring for others.

"The feedback from employers who have hired our 2017 graduates has been overwhelmingly positive," Hattori-Uchima said. "They are motivated, well-equipped, and able to recognize and tend to the diversity in Guam's patient population."



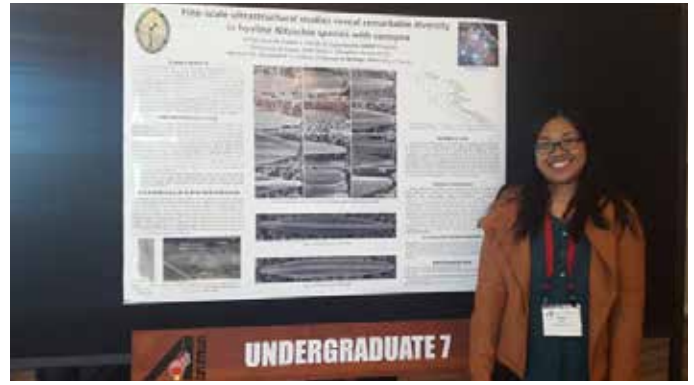
UOG alumnus awarded medical school scholarship

Daniel Taitano, an alumnus and medical student at the Wright State University Boonshoft School of Medicine, was awarded a four-year scholarship from the National Health Service Corps in October 2017. Taitano graduated from UOG in May 2015 with a bachelor's in biology. Following the completion of the program, he plans to return to Guam to help the people in his community and to fulfill the service requirements of the scholarship.



Former UOG engineering students create life-saving technology for miners

Twin brothers and former UOG pre-engineering students this year updated a life-saving measure for miners in Alaska and beyond. The two mining engineering majors, who are now at the University of Alaska Fairbanks Silver Fox, obtained inexpensive radio frequency identification tags and developed a prototype to help monitor workers' entry and exit to the mine.



Biology student receives prestigious National Science Foundation Award

Following a competitive application process, UOG biology major Jerilyn Calaor was offered an award from the National Science Foundation's Graduate Research Fellowship Program. Calaor, who graduated from UOG with a bachelor's in biology in May 2018, was one of 2,000 awardees selected. Through the fellowship, she will pursue her doctoral degree in the Ecology and Evolutionary Biology Program at Iowa State University.



Psych grads accepted into prestigious doctoral programs

Danielle Concepcion, Monique Nakamura, and Brooke Pangelinan – who each graduated from the UOG's Master of Science in Clinical Psychology program in May 2018 – were accepted into prestigious doctoral programs in the U.S. mainland. The three students have previously presented their master's thesis research at international conferences and have had extensive clinical experience through local organizations.



UOG graduate student selected for marine policy fellowship in D.C.

A Guam native has been selected for the first time as a finalist for the John A. Knauss Marine Policy Fellowship, a one-year fellowship in which participants gain hands-on experience at host government offices in Washington, D.C., transferring science to policy and management. Lauren Swaddell, a graduate student studying environmental science at the University of Guam, was one of 66 finalists announced on July 11, 2018.



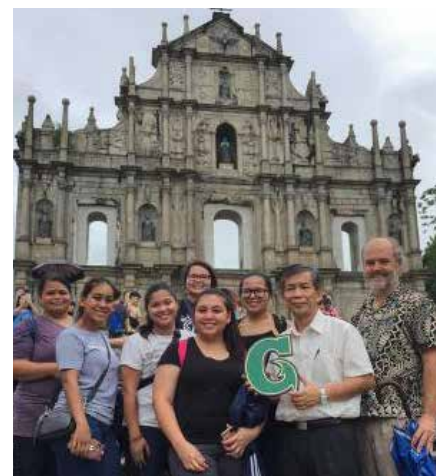
UOG students “Feeling Korea” during summer exchange program

Cultural exchanges help students broaden their world perspectives.

Through the University of Guam’s Professional and International Programs (PIP), three Tritons were able to do just that while participating in the “Feeling Korea” program hosted by Chonbuk National University over the summer of 2017.

Once there, the Tritons attended Korean classes in the morning, visited a “Jjimjilbang,” or Korean spa, and experienced a traditional Korean wedding ceremony—dressing in traditional clothing as well. They also had the chance to visit the Nambu Night Market, Namsam Seoul Tower, the National Museum of Korea, and Jongmyo Shrine.

In this Photo: Seniors Geena Nuque from Guam, Justine Conrad Mallari from Saipan, and Geoffrey S. Ashford from Alaska this past summer traveled to Jeonju, South Korea to immerse themselves in a foreign culture.



UOG students witness social work efforts in China

A group of six social work students traveled to Macao, China, in summer 2017 to study social development abroad. With the guidance of Social Work Professor Dr. Gerhard Schwab and the expertise of Caritas Social Services Director and UOG Alumnus Paul Chi Meng Pun, students visited assisted living homes for the elderly, family counseling and education centers, and services for the homeless and disabled.

School of Business secures second place in global competition

A team from the UOG School of Business & Public Administration took second place in an international case-study competition on business held April 17 to 20, 2018 in New Orleans. The UOG team competed against 10 other teams from across the country and Europe, securing second place overall as well as first place in a separate undergraduate category.



UOG Marine Lab

The UOG Marine Laboratory, established as a research unit of UOG in 1970, plays an important role in both national and regional marine research.

Members of the Marine Laboratory faculty enhance their research activities through individual collaboration with colleagues from other U.S. and foreign institutions and by opening the facilities to visitors from around the world.

Faculty, students, and researchers collaborate on a variety of research topics including coral genetic connectivity across the Pacific, fisheries health, sea turtle nesting behavior, coral diseases, endolithic algae, coral nurseries, diver effects on coral reefs, shark genetic connectivity within the Marianas, and more.



Marine Lab uses cutting-edge genetic research to explore coral bleaching

Marine Laboratory faculty and Guam Ecosystems Collaboratorium researchers Dr. Sarah Lemer and Dr. David Combosch have been using a combination of research strategies to explore coral resiliency under environmental stress. With a newly implemented genomic facility, they are able to do sample collection, data generation, and analyses here on island. They are studying the dispersal of marine organisms, which provides insight into the organisms' ability to recover after disturbances. This insight will inform local, regional, and global conservation efforts and coral research.

Above Photo: Lemer (left) and Combosch presented their research in October 2017 at the University of Hong Kong's Swire Institute of Marine Science.



Research that benefits the region (From left) Dr. David Combosch and Dr. Sarah Lemer of the UOG Marine Laboratory collect genetic samples for their project under the NSF EPSCoR grant.

Ongoing research at the UOG Marine Lab:

1. Conservation biology and reef management - coral disease and methods of reef rehabilitation
2. Chemical ecology and marine natural products drug discovery
3. Phylogenetic systematics and taxonomy of coral reef organisms
4. Ecology, evolution, and physiology of coral reef organisms and how changes in the environment could drive a global redistribution of marine species

OUT OF THIS WORLD: NASA grant increases UOG's technical research capacity



UOG was one of 22 institutions to receive grant funding from the National Aeronautics and Space Administration (NASA). NASA awarded \$750,000 to UOG through the NASA Guam Experimental Program to Stimulate Competitive Research (EPSCoR) to study the health of coral reefs in Micronesia using NASA datasets, geographical information systems/science (GIS), and remote sensing. The research award, or cooperative agreement notice (CAN), funding is for three years.

This NASA EPSCoR CAN, with Dr. Terry Donaldson of the UOG Marine Laboratory as the science principal investigator, will create a geodatabase about coral

reefs in Guam and Micronesia. The geodatabase will be used to create a reef fish predictive spawning aggregation model. Detailed geographic information about bathymetry, local currents, geomorphology, ocean chemistry, water quality, benthic habitats, coral coverage, and fish is being collected and analyzed in partnership with NASA Jet Propulsion Laboratory and NASA Ames scientists.

In addition to the \$750,000 CAN, UOG's Water & Environmental Research Institute (WERI) also received a sub-award of \$250,000 through a research partnership with the University of Hawaii under NASA Hawaii EPSCoR. Dr. John Jensen and Dr. Romina King

are co-principal investigators and will study submarine groundwater discharge of the Northern Guam Lens Aquifer using thermal infrared sensors and self-guided, unmanned aerial vehicles (UAVs). Jensen and King are working with Dr. Dilmurat Azimov at the University of Hawaii at Manoa College of Engineering to test custom-built and custom-programmed UAVs to study the NGLA. Project funding is for three years.



UOG faculty mentor future research scholars

Professors from UOG dedicated their time and expertise to guiding young minds in a national summer fellowship, the Short-Term Research Experience for Underrepresented Persons (STEP-UP). The goal of the programs is to provide an opportunity for these budding scientists from underrepresented ethnic groups in biomedical and behavioral research to get their feet wet.

The faculty were able to share their knowledge and experiences, particularly as research scholars, with their young mentees, helping to give them a head start to college-level research and study. This was the ninth year UOG professors have participated.





Micronesian Area Research Center celebrates 50 years

The Richard F. Taitano Micronesian Area Research Center (MARC) at the University of Guam celebrated 50 years of growth as a cultural repository and library this year.

The legislative creation of MARC was the result of a gathering together of scholars by former UOG President Dr. Antonio C. Yamashita and a transfer of funding for the enterprise by former Governor Manuel F.L. Guerrero.

The center now contains more than 40,000 volumes of resource materials on Guam and Micronesia and 800 unpublished theses and dissertations. It contains many early publications, such as the Guam Recorder.

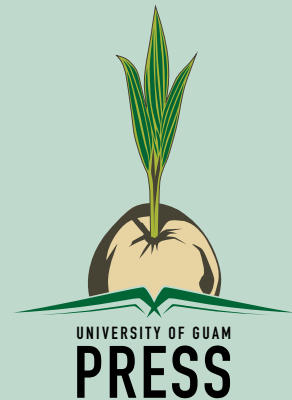
It also houses more than 100,000 pages of Spanish documents, 23,000 photographic prints, 90,000 negatives, and 4,000 slides as well as a popular CHamoru Genealogy section, where more than 100 family genealogies have been traced.

A map collection is also maintained and a manuscripts collection.

MARC has an impressive list of publications produced by MARC scholars, and the publication effort continues with the UOG Press housed at MARC.

The center hosted an anniversary gala in August, themed “Navigating Our History to Chart Our Destiny,” celebrating community members who have supported the growth of the MARC by contributing to the development of Micronesian scholarship and cultural awareness. Specifically, the MARC honored Dr. Lawrence Cunningham, a retired educator and former UOG professor, and Father Eric Forbes, a local historian whose work focuses on the history of the Mariana Islands.

MARC is undergoing a renewal of efforts on its 50th anniversary and has established task forces to work on further developing the various aspects of the center. A great proportion of the renewal efforts will be devoted to increased web-based information to allow members of the public access to the treasure trove of information retained by MARC.



The University of Guam Press publishes an array of high-quality academic and literary books and journals with a specific focus on the unique history, environment, peoples, cultures and languages of the Western Pacific. UOG Press strives to increase the availability of exceptional scholarly and literary texts that can be used as learning resources about Guam and Micronesia for people and institutions in the region and throughout the world.

For more information, visit www.uog.edu/uog-press.

Cancer Research Center studies betel nut usage across Micronesia

The University of Guam Cancer Research Center, in partnership with the University of Hawaii's Cancer Center, is conducting several studies related to the usage of areca nut, more commonly known as betel nut, in Micronesia.

In one project, researchers are conducting a biochemical analysis of different areca nut varieties in the Pacific Islands to determine the pro-inflammatory molecules of the nuts, the mutagenicity of those extracts, and the effect that saliva, lime, and betel leaves have on the extraction of bioactive components. The three varieties being studied are the Honolulu red, Guam red, and Guam white. Future research will determine if saliva from areca nut chewers and non areca nut chewers possess different effects on the extraction of bioactive components from

various areca-nut varieties in Pacific Islands.

The partner research centers are also involved in a Betel Nut Intervention Trial to study the effectiveness that a cessation program would have on betel nut chewers.

UOG's Cancer Research Center conducted a Guam Behavioral Risk Factor Surveillance Survey among 300 chewers aged 18 and older in households in Guam and Saipan. The survey findings, published in October 2007 in the U.S. National Library of Medicine at the National Institutes of Health, found that the prevalence of betel nut chewing has increased in Guam from 2011 to 2015, primarily among Micronesians,

and identified the different ways in which adult and youth users prefer to chew. The survey also revealed that chewers may be at an increased risk for oral cancer and other chronic health conditions, including obesity, hypertension, and diabetes.

A second survey among 1,200 children and their families throughout Micronesia found that the prevalence of areca nut chewing was 42%, compared to 10% to 20% worldwide, ranging from 3% in the Marshall Islands to 94% in Yap. It also found that 84% of users chew betel nut with tobacco and 24% add alcohol to the betel quid. These findings may inform future oral cancer prevention programs or policies.





WPTRC finds non-native trees alter island soils

The Western Pacific Tropical Research Center explored the use of non-native *Acacia* trees, a species that is adept at becoming established in inhospitable sites, to re-vegetate barren scars in Guam's savanna grasslands. No case studies had previously been conducted on the effect of these trees on Guam's soil traits. The results determined that the use of the non-native trees may have long-term effects on soil nutrients and that increased knowledge of these ecological processes is needed to enable informed decisions to conserve Guam's coastal ecosystems.

The results were published July 2017 in the *Journal of Coastal Zone Management*.

UOG Professor studies endangered cycads

University of Guam Ecologist Thomas Marler worked with the Philippine Native Plants Conservation Society to evaluate the population of the critically endangered *cycas wadei*, a species of cycad known to occur in a single location in the Philippines. They implemented empirical methods, establishing plots and applying direct measurements within those plots to determine the structure and density of the population. The outcomes revealed the top threats of the species as being habitat loss, poaching, and fire damage.

Their findings appear in the October 2017 issue of the *Journal of Biodiversity & Endangered Species*.

Biology major conducts research at National Institute of Health

Junior biology major and chemistry minor Jaena Taitague spent 10 weeks doing research at the National Institute of Diabetes and Digestive and Kidney Diseases in Bethesda, Md., through the National Institute of Health's Diversity Summer Research Training Program. Her project was to explore the role of a specific protein in the generation of fat cells.



UOG strengthens research infrastructure with the creation of Research Corporation

The creation of the Research Corporation of the University of Guam (RCUOG) is one of the great developments that has occurred at the University of Guam during the past few years. The main purpose of this public corporation is to support the research and external grant portfolio of the University by providing an efficient environment that makes it easier to obtain and expend funds, hire employees, and report on the success of research and service projects.

Currently RCUOG employs 111 individuals who are engaged in 80+ research projects that address issues of importance in Guam and the region.

Report highlights, when compared to the prior year include:

- 32% increase in grants
- 64% increase in financial transactions
- 49% increase in personnel actions
- 11 students received travel awards through RCUOG's Travel Award program
- 96% self-sufficiency in FY 2017
- No findings in the FY 2016 audit, which indicates RCUOG utilizes strong internal financial controls

For more information and to download the 2017 RCUOG Annual Report visit: www.uog.edu/rcuog.



RCUOG Core Team Pictured from left: Cathleen Moore-Linn, Interim Executive Director; Michelle Santos, Grant Budget Specialist III; Gloria Travis, Interim Chief Business Officer; Colleen Bamba, Grant Support Assistant III; and Bobbie Molarte, Accounting Specialist.

SBPA Faculty at UOG contribute research on Facebook privacy concerns



Two of University of Guam's faculty members have contributed to research findings regarding U.S. college students' privacy settings on Facebook. The co-authors were Dr. Kevin K.W. Ho (left) and Dr. Wai K. Law (right), both professors of management information systems at UOG's School of Business & Public Administration, and professors Sathasivam Methiyalkan and George Heilman from Winston Salem State University (N.C.). Their study results were published earlier this year in the Journal of International Technology and Information Management (<https://scholarworks.lib.csusb.edu/jitim/vol27/iss1/2/>).



Faculty complete Inaugural Leadership Development Program

The next crop of leaders is taking root at the University of Guam. Over an intensive seven-month leadership development program – the first of its kind for UOG – a group of faculty has not only absorbed a balanced diet of information about leadership strategies and the University's structure and governance, but they have produced results – modules, policies, procedures, and initiatives that are now undergoing or close to implementation.

(From left) Troy McVey, Interim Assistant Vice President for Academic Excellence; Robert A. Underwood, President; Dr. Michelle M.S. Santos, Associate Professor of Secondary Education; Dr. Mary Therese F. Cruz, Associate Professor of Political Science; Dr. Kate A. Moots, Associate Professor of Biology; Roland San Nicolas, Reference and Instruction Librarian; and Dr. Anita Borja Enriquez, Senior Vice President of Academic & Student Affairs. (Not shown: Dr. Maika Vuki, Associate Professor of Analytical Chemistry).

Nursing faculty learn lifesaving skills to control postpartum hemorrhaging



UOG nursing faculty were trained on the techniques to help mothers survive bleeding after birth in August 2017. The University's School of Nursing and Health Sciences participated in a course teaching lifesaving skills on managing and controlling excessive postpartum bleeding.

Perinatal Rescue Network Clinical Instructor Ginnie Kim conducted the training with UOG Associate Professor of Nursing Dr. Kathryn Wood and Instructor James Finch. Wood and Finch plan to train nurses and health providers in outer island communities and in the region.



SOE faculty teach summer classes in Yap, Pohnpei

Faculty from the University of Guam's School of Education traveled to the Federated States of Micronesia over the 2018 summer to help aspiring and practicing teachers in the islands earn bachelor's degrees in education. The faculty spent three weeks on the island of Yap and five weeks on Pohnpei. Each of the four faculty members taught two courses based on the needs of the students.

The courses are part of the School of Education's two regional partnership programs – the Partnership BA Program in Elementary Education, which provides coursework for associate degree holders toward a Bachelor of Arts in elementary education, and the Individualized Degree Plan, which also provides coursework for practicing teachers toward a bachelor's in elementary education.

The two programs fulfill a mission of UOG to provide access to degree courses to regional students. The programs have been ongoing since 2007 and 1980, respectively, with nearly 100 bachelor's degrees conferred. The students are required to meet the same standards as teacher candidates attending the UOG.

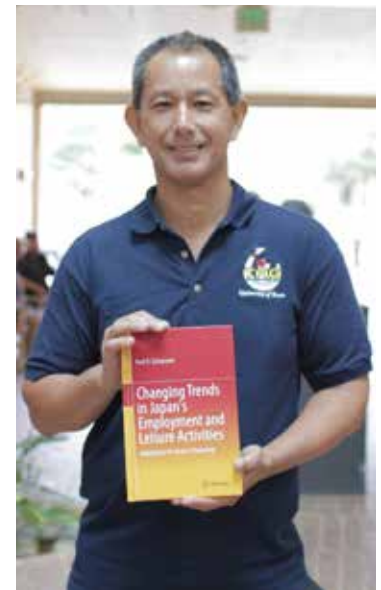
Teaching on Yap were UOG School of Education professors Dr. Suzanne Bells, Dr. Mary Jane Miller, and Dr. Evelyn Doman. Dr. Dean Olah taught courses on Pohnpei.

The in-service and future teachers of the programs will be preparing students to meet workforce needs throughout the region.

Inoue-Smith publishes book of Tanka poetry



Dr. Yukiko Inoue-Smith, a professor of educational psychology and research at the University of Guam School of Education announces the release of her new poetry book, "The Inescapable Seasons of Life - Expressing the Modern Soul in an Ancient Poetic Style." The book, written in a classic Japanese poetry form called tanka, is published by JustFiction Edition.



UOG tourism expert publishes book on Japanese employment and leisure

Dr. Fred Schumann, University of Guam Associate Professor of Global Resources Management, recently published a book on shifts in Japanese tourism.

"Changing Trends in Japan's Employment and Leisure Activities - Implications for Tourism Marketing" discusses how new developments in the Japanese workforce affect how the people spend their income and free time. It also explains how these changes affect tourism destinations that rely on the Japanese market.

Over the last three years, Schumann has researched and collected data on the waxing and waning Japanese tourism market on Guam. By understanding what's going on in Japan, destination management organizations and businesses that depend on tourism can re-strategize to fit the consumer.

KAHULO'

COMMUNITY
SPOTLIGHT

Young “GENE-iuses” explore the world of science

The UOG College of Natural & Applied Sciences, in collaboration with the UH Mānoa College of Tropical Agriculture & Human Resources held the Guam GENE-ius Day Program, gave children in 4th - 6th grade the opportunity to learn more about the world of science through fun, interactive, and thought-provoking hands-on activities and experiments in a University setting.



UOG presents National Computing Award to High School Students

In collaboration with the National Center for Women and Information Technology (NCWIT), the University of Guam honored three local high school students with the NCWIT Aspirations in Computing Award.

Allysandra Raymundo of John F. Kennedy High School, Bianca De Los Angeles of Tiyan High School, and Annielee Rae Quiogue of Simon Sanchez High School were recognized in March 2018 at a ceremony hosted by the UOG Office of Information Technology.

The award highlights women in high school who are active and interested in computing and technology. Recipients are chosen for their commitment and achievements in computing, proven leadership ability, academic performance, and plans for post secondary education.



(From left): University of Guam Dean of the School of Nursing and Health Science Dr. Margaret Hattori-Uchima, former UOG President Dr. Robert Underwood, John F. Kennedy High School student Allysandra Raymundo, Simon Sanchez High School student Annielee Rae Quiogue, Tiyan High School student Bianca De Los Angeles, UOG Chief Information Officer Rommel Hidalgo, Guam Affiliate Coordinator Jaevani Isidro, and UOG Director of Development and Alumni Affairs Norman Analista.

CNAS conducts Green Roof Pilot Project



The College of Natural and Applied Sciences hosted a sustainable green roof workshop in December 2017 presented by visiting scholar Lieve Dierckx. Participants used locally sourced materials and native plants at the University's Center for Island Sustainability.

WERI hosts tours of Northern Guam Lens Aquifer



The UOG Water and Environmental Research Institute through the Guam Hydrologic Survey Outreach provides the Northern Guam Lens Aquifer (NGLA) tours to students, educators, policy makers, department executives, and island development professionals. This outreach tour is about gaining a better understanding in our quest towards the sustainable management and development of our island's most valuable renewable resource, water.

Triton Athletes compete in local sports community

Athletes from the University of Guam proudly represent UOG on a variety of sports teams and leagues in the community. Whether on the court or on the field, these students' passion and perseverance in the game represents the characteristics found in every UOG Triton.

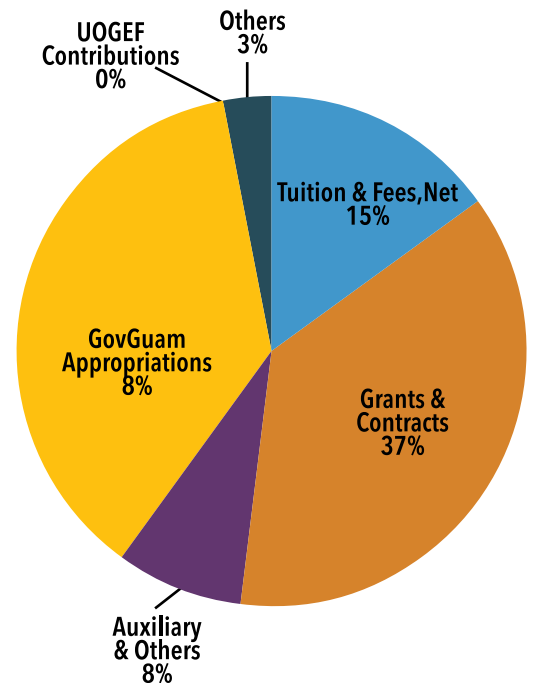


FISCAL PERFORMANCE

Revenues and Contributions (in \$1,000)

Generated revenues were \$54 million of the total revenues and contributions of \$89 million and represents 61% of revenues; GovGuam appropriations represent 37% of total University revenues and contributions. Grants and contracts increased by 2.23% from last year due to new federal grants.

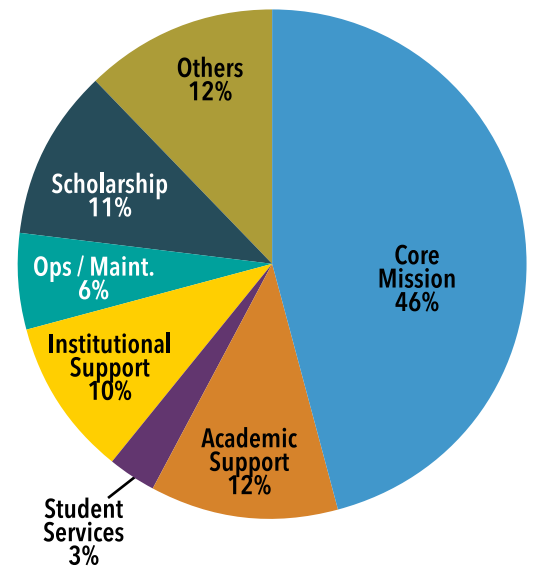
	FY16	FY17	% Change
Tuition & Fees, Net	13,423	13,086	(2.51%)
Grants & Contracts	32,523	33,247	2.23%
Auxiliary & Others	8,264	7,675	(7.13%)
Total Generated Revenues	54,210	54,008	(.37%)
GovGuam Appropriations	34,681	32,661	(5.82%)
Contributions from UOGEF	200	200	0.00%
Others	1,476	2,356	59.62%
Total Revenues & Contributions	90,567	89,225	(1.48%)



Expenditures (in \$1,000)

Expenses decreased by 4.86% due to spending controls in place as a result of recent budget allotment short-falls. The University spent \$43 million directly on its core mission. Of that, 45% went to Instruction, 24% to Public Service, and 31% to Research.

	FY16	FY17	% Change
Core Mission	42,740	43,108	0.86%
Academic Support	10,436	10,681	2.35%
Student Services	3,743	3,244	(13.33%)
Institutional Support	10,374	8,893	(14.28%)
Oper/Maint	7,894	5,379	(31.86%)
Scholarship	11,129	10,035	(9.83%)
Others	11,088	11,326	2.15%
Total Expenses	97,404	92,666	(4.86%)



Fiscal Performance Summary

- The University had a shortfall in appropriations payments of \$7.5 million for operations and about \$0.6 million for the Student Financial Aid Program (SFAP).
- The University has been under tight expenditure controls for the last two years. The uncertain and inconsistent cash flows have made financial management very difficult. As of September 30, 2017, the University had received approximately \$21 million of its \$30.7 million general operations appropriation.

UOG was advised that the remainder would be paid when a government settlement is received. In FY 2018, some additional payments were received as a prior year General Fund revenue fund recovery. This was the result of a change in procedures at the Department of Administration in accounting for cash received and accrued. This change in reporting procedure caused the University to have a loss for the year.

- The University's net position benefitted from a nearly \$2.4 million investment gain due to unrealized investment changes. This gain was the result from marking the investment portfolio to market and did not impact the cash position of the University.

Fundraising Efforts

The University of Guam Endowment Foundation is a nonprofit organization that supports community engagement with research centers of excellence at the University of Guam in the Marianas archipelago of Micronesia.

At the core of its mission, the UOG Endowment Foundation assists the philanthropic intentions of donors at all levels of giving by providing guidance for their direct support of the university's efforts in meeting the challenges that face communities of Guam, Micronesia and the neighboring Asia Pacific regions.

2017 Top Donors List

Businesses & Organizations

Ada's Trust & Investments
Bank of Guam
Bank of Hawaii
Bank Pacific
Calvo Enterprises, Inc.
Core Tech International
Guam Board of Accountancy
GHD
Guam Regional Medical City
Clinic
Guam Society Of CPA's
GTA Teleguam
International Distributors

Johnstone Supply, Guam
Luen Fung Enterprises
Mobil Oil Guam, Inc.
SAME Scholarship Fund
Triple J Enterprises, Inc

Individuals

Frederick J. Horecky
Elaine C. Jones
Jesus S. Leon Guerrero
Kathleen R. Owings-Jones
Dr. Robert A. Underwood

\$964K

raised by contributors for 2017
fundraisers, sponsorships, galas,
pledges, and general
donations



Underwood: Leaving UOG with a direction and an identity

“We are the only institution that has Micronesia in its DNA. It is not just a part of what we do. It is at the very core of who we are,” said Dr. Robert A. Underwood, former and longest serving University of Guam president, describing in a nutshell what makes the University different from other higher education institutions.

Underwood retired as in August 2018 after serving as President for 10 years. During his tenure, the University made significant strides, including securing another eight years of regional accreditation from the Western Association of Schools and Colleges Senior College and University Commission and the development and implementation of the Good to Great (G2G) initiative.

The University expanded its institutional research and grant-making capabilities under Underwood and emphasized strong fiscal responsibility despite resource and funding constraints. He also ushered in improvements to the University’s IT infrastructure and broadened connectivity, research, and networking capabilities.

“Prior to becoming president, I had a good sense of what the University could do and what it needed. What I felt it needed at that time was to go to a different level,” he said.

Before he took the helm in 2008, UOG had gone through what he described as some serious institutional issues, which he said were thankfully stabilized by his predecessors. “By that time, it was a stable institution, but it did not have a clear sense of what it wanted to do,” he said.

The first step, as with any other job, he said, was to undergo training. He assumed the presidency in May and that July attended a new presidents training off island. He came away with three top initiatives to transform the University: “Natural Choice,” “UOG Green,” and “Leading Change.”

“That training allowed me to crystallize what I wanted to do with this new opportunity at leadership. The three notions that I came up with – that was the essence of it,” he said.

Ten years ago, University enrollment was stable but with a slow growth trajectory. UOG was also seen as an open admissions university by potential students from Guam and the region. His “Natural Choice” initiative established the University as the first option for post-secondary education on Guam and in the Micronesian region.

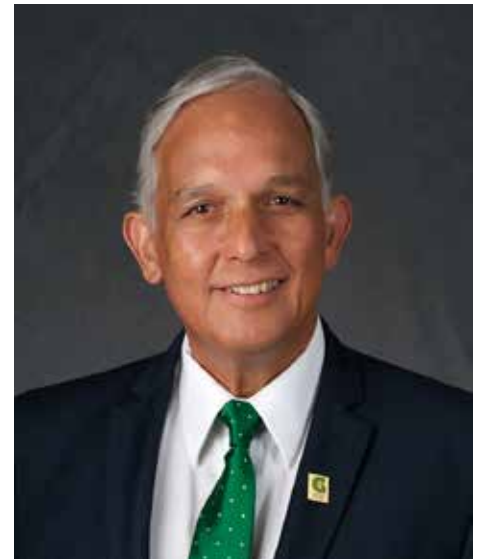
“UOG Green” set the University on a path to sustainability. “There were a lot of issues related to becoming environmentally connected and sound and trying to connect that to renewable energy. It was actually the origin of the Center for Island Sustainability.”

“Leading Change” was the precursor to “Good to Great.” It was introduced at a time when conversations were starting about the impending military buildup and the island faced infrastructure, environmental, and other social changes.

“I was trying to position the University to help navigate the changes by being the honest broker, by allowing people to have conversations, some scientific study, as to what the impact of all this would be,” he said.

The G2G groundwork began in 2012, and by 2014, it was a complete process.

“There were a number of unique things in Good to Great that really



Dr. Robert A. Underwood
10th President
University of Guam

changed the dynamic of the University. The single most important thing is the connection between your resource, your statement of greatness, and the quality of your effort,” he said.

Underwood considers G2G his greatest achievement.

“There are a lot of things that are incumbent on that, including the creation of the RCUOG. Then we were able to get EPSCOR, which provides significant funding for research,” he said.

On leadership

Underwood led the University using a process of interpretive leadership.

He said, “I tell people all the time – I am not measured by the number of decisions that I make. In fact, I want to be measured by how few decisions I had to make. I don’t want decisions to come to me. I want everyone to make decisions on their own as long as they are in keeping with the plan.

“That’s interpretive leadership. I was not a task master. I was not a brow beater. ... I did not try to bend people to my will. That wasn’t the point of my service,” Underwood said.

According to Underwood, leadership involves being able to synthesize

Former UOG President Robert A. Underwood joined the traditional seafaring delegation of the Lamotrek, Yap as they sailed into Hagåtña during at the Festival of the Pacific Arts held in Guam in May 2016.



your plans in a way that gains the support of people who trust you and believe in your integrity and vision.

"The point is – you are the caretaker for this period of time. That's how I saw my role," he said.

On finding resources

One of the recurring challenges of the University is the lack of support from the government of Guam, according to Underwood.

"The local political structure has not been supportive. The level of support for the University now – they are getting the same dollar amount as when I was academic vice president 25 years ago," he said.

"The lesson for that was not to cry about it. The lesson for that is to go out and make your own money. That is what we did," he said.

Through the University's efforts, more than 50 percent of its employees are funded via grants and other sources.

"The point is – you are the caretaker for this period of time. That's how I saw my role"

Dr. Robert A. Underwood, Former UOG President

"We are up to 800 employees now, and only about 325 are funded locally. Think about that," he said.

Ideally, he said the University should be free from restrictions, allowed to build public-private partnerships, and encouraged to start entrepreneurial and knowledge-based ventures.

After UOG

Underwood said his work with education will continue even after his stint with UOG.

"I have a lot of projects. I'll go back to my original academic pursuit, which would be history and writing and my

academic passion, which is the survival of the CHamoru language. That's very, very significant to me. I'll be working on projects related to that," he said.

"I plan to be as useful as I can be – to be useful to the island, useful to Guam. I left as the longest serving president in the institution's history. That is a pretty good record," he said.







Admissions:
www.uog.edu/admissions

Degree Programs:
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Financial Aid Office:
www.uog.edu/financial-aid

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