

SDG 17.3.11

NUK's efforts in SDG11 are as follows:

1. NUK takes the construction of a sustainable and ecological green campus as its founding philosophy. In addition to dividing levels of maintenance and management areas according to ecological diversity, an ecological pond absorbs reclaimed water and is functioned as effluent disposal, and flood control. It functions as drainage, while providing habitat for water birds. Motorcycles are forbidden on campus, and public bicycles are widely set up to create a safe and comfortable space.
2. Since 2019, a sustainability report has been issued every year to illustrate the results of SDG 11 planning and implementation: measures to promote inclusiveness, safety, resilience and sustainability of cities and human settlements. See the website . (<https://sustainability.nuk.edu.tw/>)
3. **The attachment** is the summary of SDG11 in 2021.

4-5 Sustainable Campus Management

4-5.1 Green Buildings on Campus

Since 2012, every new building in NUK has been awarded the green building label and affirmed by the Kaohsiung City Government.

List of green buildings

| Building | Date | Award |
|--|------------|---|
| College of Humanities and Social Sciences Building | Oct. 2012 | 9 indicators of Gold Label Green Building |
| | 2013 | Participated in the Kaohsiung Green Building Award and won Public Building Award and Rainwater Storage Facilities and Reuse Award |
| Administration Building | Sept. 2014 | 9 indicators of Bronze Label Green Building |
| Second Student Dormitory | April 2016 | Qualified Green Building Label for Dormitory |

4-5.2 Green Procurement

In response to global warming and reducing human damage to the environment, "green consumption" can reduce the environmental impact caused by production and consumption.

Green procurement achievement rate

| Year | 2019 | 2020 | 2021 |
|------------------|-------|-------|--------|
| Achievement rate | 99.7% | 99.7% | 99.37% |

4-5.3 Campus Vehicle Management and Installment of Youbike 2.0

Locomotives are forbidden to enter NUK's large campus. The loop around the campus is a 10-meter lane with green belts; the pedestrian and bicycle lanes are separated. NUK has built a bicycle path around the campus. The Kaohsiung City Government set up a public bicycle rental station at the entrance of NUK which is a part of the city bicycle path network.

Campus public bicycles



- 1 Lo-ho Kitchen
- 2 NUK Library
- 3 Humanities & Social Sciences College
- 4 Family Mart
- 5 General Dormitory
- 6 Osh Car Wash
- 7 Law College
- 8 Ms. Bitch 2



4-5.4 Create Biodiverse Habitats

Although NUK does not have a protected or restored habitat, it is committed to creating a sustainable ecological environment. The green area of the campus occupies 51.6% of the land with 142 species of arbors. The ecological pond is an artificial wetland. Since the establishment of NUK, it has been the most important attraction on campus.

NUK has recorded a total of 68 species of birds in 36 families over the years. In recent years, 59 species in 30 families are regularly sighted, including the rare second-class protected species, crested goshawk, black-winged kite, yellow oriole, and the third-class protected species red-tailed shrike. Since 2021, NUK and Kaohsiung Wild Bird Society have been monitoring the conservation of orioles and conducting monthly survey.

Number of species of butterfly and arbor

| Year | 2019 | 2020 | 2021 |
|-----------|------|------|------|
| Butterfly | 46 | 44 | 51 |
| Arbor | 137 | 138 | 142 |

4-5.5 Manage Stray Dogs on Campus

Since August 1, 2015, the Campus Environmental Safety and Health Center has cooperated with the Student Pet Research Society to solve the problem of stray dogs on campus. The faculty and students seek help and guidance from different animal protection groups, such as Dogs Lover and Heart of Taiwan Animal Care to treat the stray dogs more friendly and humanely. When the dogs become tame and controllable, they are given sterilization and vaccines and then are listed for control and regularly receive heartworm medicine, rabies vaccine and other medical attention. NUK has also adopted the strategy to use the tamed campus dogs to keep the new stray ones out. In addition, a kennel was set up to care for the injured and sick dogs waiting for adoption. A website is constructed to report about the dogs and educate the faculty, staff and students, and announce adoption information in order to create a canine-friendly campus.

Number of species of butterfly and arbor

| | Stray caught | Altered | Adoption meeting | adoption | Rabies vaxxed |
|------|--------------|---------|------------------|----------|---------------|
| 2019 | 17 | 11 | 6 | 8 | 20 |
| 2020 | 15 | 9 | 1 | 9 | 18 |
| 2021 | 3 | 3 | 2 | 2 | 19 |

4-6 Campus Safety

Our Campus is in the public domain. NUK has been proud to have a friendly campus since its foundation. It not only provides students, faculty and staff with high-quality campus and environment but also surrounding residents an ideal place for exercise and leisure. In addition to regular patrols for 24-hour security, a number of campus safety activities were organized for students.

Furthermore, first aid education and training for faculty and staff are promoted. In addition to the "CPR+AED First Aid Promotion Activity" for all university freshmen during the freshman week, the school also organizes related injury treatment courses for all teachers and students.

Activities Related to Campus Security 2021

| Date | Activity | No. Participant |
|-----------|--|-----------------|
| 2/22-6/25 | Visits and reviews on off-campus rental housing safety | 85 |
| 2/22-6/25 | Handling off-campus rental disputes | 4 |
| 2/22-9/26 | Visits and reviews on additional off-campus rental housing safety; update rental information website | 3 |
| 2/22-2/26 | Friendly Campus Week; petition for anti-drug & anti-bullying | 212 |
| 3/8 | The beginning-of-the-semester dormitory residents' assembly | 69 |
| 3/15-19 | Expo of off-campus rental housing | 250 |
| 3/17 | Current students drawing lots for dormitory 2021 | 869 |
| 3/24 | Tomb-sweeping Festival: Enjoying spring rolls (Dorm activity) | 46 |
| 3/25 | Campaign on prevention of drug abuse, Ju-guang Primary School, Kao-hsiung Cit | approx 32 |
| 3/26 | Campaign on prevention of drug abuse, Jia-chang Primary School, Kao-hsiung City | approx 35 |

| Date | Activity | No. Participant |
|--------------------|--|-----------------|
| 3/31 | Campaign on prevention of drug abuse, Jia-wei Primary School, Kao-hsiung City | about 33 |
| 4/13 | Workshop on off-campus rental and legal knowledge | 50 |
| 4/27 | Workshop: What a university student should know about the laws of intellectual property, anti-bullying and traffic accidents | 250 |
| 4/29 | Celebrating Mother's Day -- Fragrance Brick DIY (Dorm activity) | 36 |
| 5/13 | Anti-smoking Committee, 2020 | 15 |
| 8/15-9/22 | Freshman Week 2021: Campaign for campus safety | approx 1200 |
| 8/25/2021-3/5/2022 | Infectious Disease Prevention Publicity and First Aid Training on campus (online film) | 388 |
| 9/22 | Dormitory fire drill | 1250 |
| 9/22-30 | Friendly Campus Week; petition for anti-drug & anti-bullying | 320 |
| 9/28 | Implementing National Disaster Prevention Day Earthquake Evacuation Covering Drill 2021 | 250 |
| 10/26-11/2 | Officers meeting combined with anti-drug, anti-smoking, campus safety and traffic safety campaigns. | approx 120 |
| 11/3 | Workshop on traffic safety and anti-smoking | 50 |
| 11/10 | Workshop on prevention of drug abuse and legal education | 52 |
| 11/1-12/31 | Class advisors' visits on off-campus rental housing | 1,200 |
| 12/2 | Workshop on moss balls (Dorm activity) | 30 |
| 1/20-12/8 | CPR+AED education and training for faculty and staff; Re-certified for safe site | 350 |
| 12/24 | Handling off-campus rental disputes | 1 |

4-7 Environmental Education

4-7.1 Teaching Sustainable Development Course

NUK annually offers general education courses related to environment, sustainability and ecology. According to statistics of the last two academic years (2020-2021), an average of 5 teachers offered classes annually, and the total number of classes offered was 28. 1,400 students attended the courses, and on average, about one-fifth of the NKU students take such courses annually.

Statistics of environmental sustainability general education courses

| Title | No. class | No. attendants |
|-------------------------------------|-----------|----------------|
| Introduction to Ecology | 4 | 221 |
| Introduction to Nature Conservation | 4 | 235 |
| Environmental Protection | 4 | 179 |
| Environmental Ethics | 16 | 765 |
| Total | 28 | 1,400 |

4-7.2 Important Activities on Sustainable Development Topics

Since NUK signed the "Talloires Declaration" in 2004, it has organized a series of "Sustainable Week" activities every year. It has become an NUK tradition to promote sustainable education. Through different topics and activities, faculty, students, community members, and teachers and students in primary and secondary schools can obtain comprehensive environmental information and establish environmental ethics. In the early days, NUK held action dramas, road running competitions, several second-hand book and article sales, energy-saving workshops, and film appreciations to enhance the environmental awareness, and to conduct laboratory or fire drills. Electric vehicles were also displayed to encourage the use of green energy. Faculty and students can acquire the integrated knowledge of sustainable development and environmental protection in all aspects. Since 2021, complied with the national policy, NUK has used the rich ecological resources on campus to conduct various environmental education. In 2021, signing working partnership with Kaohsiung City Wild Bird Society, NUK began to conserve orioles. Through the workshops and a series of activities in Sustainability Week, the faculty, students and the general public not only gained a better understanding of avian conservations but participated in monitoring and guarding the birds' nests. The following activity records show NUK's determination to promote environmental sustainability.

Annual Sustainability Week Activity List

| Year | Activity | No. Participant |
|------|---|-----------------|
| 2019 | “Birds and Environment” and “Snakes and Environment” – Environmental Education Series, Sustainability Week | 109 |
| 2020 | On-line activities: “Review of the past Annual Sustainability Weeks”, “Trees, Tall Trees on Campus” & “History of Our Campus” | 328 |
| 2021 | <ul style="list-style-type: none"> · Sign Oriole Conservation Partnership in March · Co-hold “Oriole Environmental Education Series” (50 participants) · Hold Sustainability Week environmental education series in October · “Special exhibition of oriole ecology and conservation in NUK”(approx 100 participants) · Online lecture, “The Difficulties and Opportunities of Bird Conservation” (173 participants) · “NUK Oriole Environmental Education Volunteer training workshop” (31 participants) | 354 |

Signing working partnership for orioles conservation



Watching orioles workshop on campus



Oriole Education Volunteer training workshop



Exhibition of oriole ecology and conservation

