

NTOU offer, manage or deliver outreach projects for the local community ➤ Public resources (lifelong learning) Provide free access to educational resources for those not studying at the university – e.g. computers, library, online courses, and access to lectures. free access to online resources

1. Our library are open to the public

The public can use our reading space or our collections and e-resources for studying. They also can use our free wi-fi in the library. We provide 50 temporary library passes available per day. Six thousand nine hundred nine persons outside the university ◦

Sustainable impact:

1. Access to Study Resources: Public users can enhance their learning by utilizing the library's reading spaces, collections, and e-resources.
2. Free Wi-Fi Access: Free Wi-Fi increases information accessibility, enabling users to stay connected and conduct research.

Library Passes and Public Engagement: By offering 50 daily passes and serving 6,909 external users, the library promotes knowledge sharing and strengthens community ties, supporting lifelong learning.

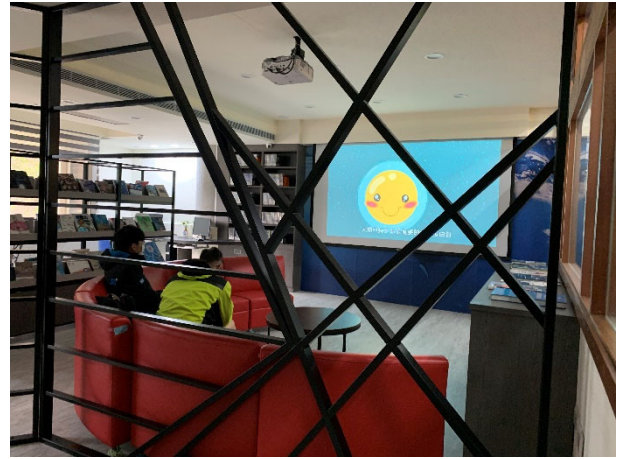


Evidence: <https://li.ntou.edu.tw/>

2. Video appreciation

In June 2017, the library completed the construction of Dream Ocean on the 3rd floor. "Dream Ocean" is a marine-themed multi-functional room. There are four areas: marine-themed book area, multimedia viewing area, virtual reality (VR) experience area, and information retrieval area. In addition, readers can participate in the "Dream Ocean" video appreciation activity. The library provides readers with the library's rich multimedia resources and high-quality space to give readers a deeper understanding of the ocean. 23 videos played in 2023. For the video appreciation schedule, please visit our website <https://li.ntou.edu.tw/>.

Sustainable impact: aligns with SDG 4.3.1 by providing equal access to marine-themed educational resources through books, multimedia, and VR experiences. It promotes lifelong learning and deeper understanding of the ocean through video appreciation activities, while encouraging community engagement and digital inclusion by offering these resources to the public.



Evidence: <https://r088.ntou.edu.tw/var/file/103/1103/img/1564/432143623.pdf>

3. SDGs Back-to-School Season Activities 「SDGs 開學季活動」

Purpose of the Plan: Every year, the National Taiwan Ocean University allocates a budget to purchase a wide variety of books, including those that align with the Sustainable Development Goals (SDGs). This plan aims to help readers establish a connection between the library's collection and the SDGs, as well as understand the relationship between the call number information displayed in the 'Library Catalog System' and the actual location of books in the library stacks. Through this initiative, the SDGs and library usage are promoted.

Execution Method:

Go to the library counter and use the spinning wheel to randomly select an SDGs task.

Use the library catalog system to search for the location of the book specified by the task.

Go to the stacks area to find the specified book and a sample book pre-placed by the librarian, and take a photo.

Upon completing the task, present the photo to the librarian at the counter.

Sustainable impact: It encourages readers to explore materials that address global challenges. By improving library usage, it strengthens the connection between knowledge and sustainable development.





Evidence: <https://li.ntou.edu.tw/p/406-1029-91067,r11.php?Lang=zh-tw>

4. 「SDGs United Nations Sustainable Development Goals」 Theme exhibition

National Taiwan Ocean University allocates a fixed budget every year to purchase e-books. The primary goals are to promote e-book reading within the university, allowing more readers to become familiar with the e-book platforms, and to align with the promotion of the Sustainable Development Goals (SDGs). The promotion of e-book reading activities will be planned from both online and physical perspectives.

Online Thematic Exhibition: Focused on the e-book list purchased by the university on the HyRead platform (<https://ntou.ebook.hyread.com.tw/>). Faculty and students can directly click on the links to read the e-books online.

Physical Book Fair: Based on individual SDG targets, such as SDG 2: Zero Hunger, separate book exhibitions will be held. Posters for the book fair will be designed, and the selected e-book cover images will be printed on plastic boards, with uniform layout, QR codes, and SDG icons. These will be displayed at actual book sizes in the exhibition space on the second floor of the library. As soon as readers enter the library, they can immediately see the display, scan the QR code to borrow e-books, thereby fostering a reading culture and raising awareness of the SDGs.

Sustainable impact: supports the SDGs by promoting the shift to e-books, reducing the environmental impact associated with physical book production and distribution. It enhances access to digital resources, promoting inclusive education and lifelong learning. By aligning e-book exhibitions with specific SDG targets, it raises awareness of global challenges such as hunger and sustainability. The integration of QR codes facilitates easy access to e-books, fostering a culture of responsible consumption. Overall, it strengthens the connection between technology, education, and sustainable development.



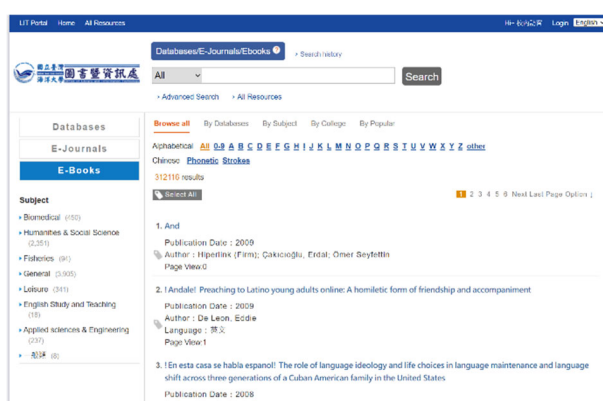
Evidence:

<https://ntou.ebook.hyread.com.tw/Template/RWD3.0/publisher-page.jsp?id=1273>

5. website provides bilingual interface services 處網頁提供雙語化界面服務

By providing a bilingual website interface, users can seamlessly access school information and resources (such as teaching materials, multimedia, e-books, databases, and other related resource platforms), achieving the goals of lifelong education and educational equity. This approach also enhances the promotion of related activities and information, fostering cross-cultural communication and collaboration.

Sustainable impact: supports SDG 4 by reducing language barriers, enabling more users to access educational resources. It promotes lifelong learning and reduces educational disparities. As a result, it fosters greater inclusivity and equity in education.



Evidence:

<https://li.ntou.edu.tw/?Lang=en>

6. The E.SUN English Tutoring Program

National Taiwan Ocean University Institute of Applied English and the Taiwan International Talent Development Association have collaborated on the “The E.SUN English Tutoring Program”. This initiative aims to enhance English proficiency among students in remote schools. The project employs a Mentor Program, pairing local university students with students from remote schools to provide English

reading support. Over the course of two years, a total of 76 mentors participated, covering several schools in New Taipei City and Keelung City.

During the implementation, university student mentors provided weekly tutoring sessions and utilized resources from E.SUN Foundation. The program significantly improved students' English reading abilities and motivated their learning. Specific results indicate notable progress in students' English performance and reading comprehension. Additionally, university students involved in the project strengthened their social responsibility and enhanced their teaching and communication skills. The initiative also fostered greater collaboration between universities and communities, expanded social engagement, and provided sustainable development momentum for education in remote areas.

Sustainable impact: It fosters university-community collaboration, empowering students in underserved areas while enhancing social responsibility among mentors. The program promotes long-term educational development by building essential skills and motivating continued learning, contributing to sustainable education outcomes in remote regions.



Evidence:

<https://today.line.me/tw/v2/article/peNVpLN>

<https://r088.ntou.edu.tw/var/file/103/1103/img/1564/431032254.pdf>

<https://r088.ntou.edu.tw/var/file/103/1103/img/1564/317373857.pdf>

7. The 53th issue of Fisheries Extension Report Published

The Fisheries Extension Committee publicly solicits manuscripts from experts and scholars in related fields, and publishes the "Fisheries Extension Report" science journal on a regular basis every year and sends them to various high schools' libraries, district fishermen's associations or the general public for free, in order to raise awareness of overfishing, illegal, unreported and awareness of unregulated fishing and destructive fishing practices, for sustainable fisheries production.

Sustainable impact: Raising public awareness on critical issues like overfishing, illegal, unreported, and unregulated fishing, and destructive fishing practices. By educating scholars, high school students, and local fishermen, it fosters informed decision-making, encouraging responsible fishing habits. This outreach contributes to the long-term preservation of marine ecosystems and supports sustainable fisheries production for future generations.



Evidence: <https://fer.ntou.edu.tw/>

8. In 2023, the academic community promoted the value-added innovation project of local industrial technology - combining big data analysis and automatic monitoring to establish a visual data management platform

Today's technology is developing rapidly. In addition to drones and unmanned vehicles, artificial intelligence has also made great progress in unmanned ships. The new coronavirus (COVID-19), which began to spread around the world in 2019, has greatly affected the shipping industry like many other industries. However, it has also stimulated the adoption of autonomous technology on ships and driven the industry and governments' interest in smart ship applications. Ferries traditionally used to carry passengers or cargo ships may be replaced by artificial intelligence or remote-controlled unmanned ships in the future. Maritime transportation is the most important commercial transportation method today and is the key to the healthy development of international trade. There is a need for global consistency in maritime transport laws, so how to achieve this goal has been the focus of discussion for hundreds of years.

The global response to the impact of climate warming has forced the world to actively develop alternative energy sources. Renewable energy and green energy industries have become policies vigorously promoted by the government. Our country is surrounded by sea, and the construction of offshore wind power areas has great development potential for our country. The construction of

offshore wind power in the green energy development layout is also one of the main goals of the Chinese government's renewable energy development. In order to successfully complete the promotion of offshore wind power, the number of domestic ships that have completed class registration for offshore wind power work ships currently exceeds 100. Therefore, the industry demand for ship maintenance for offshore wind power work is booming.

In today's marine and offshore economics and competitive landscape, maintaining profitability and importance means big changes. In line with strategic goals, leading shipyards are fundamentally rethinking their entire organizations and business processes across their value chain, while leveraging the right digital technologies to enable digital transformation. This year's plan will focus on combining information technology and operating technology to carry out smart transformation of the ship maintenance industry to enhance its competitiveness. It will use information systems to connect the manufacturing supply chain, assist the small and medium-sized enterprises it mentors to introduce “industrial digitalization”, and complete “Combining big data analysis with automatic monitoring to establish a visual data management platform” provides information streaming, ship monitoring, increases ship maintenance efficiency issues, improves service quality and production capacity, and establishes intelligent data analysis application models. The team uses tools such as smart big data and visual performance display to provide information on the operating status of main ship equipment and support each shipping and ship repair yard in implementing systematic efficiency measures, such as “preventive maintenance” of major equipment, simplifying Logistics and planning operations, rapid collection and analysis of data, near-instant monitoring and feedback of ship key performance indicators, etc., significantly save time, manage ships and surrounding environments in the most efficient way, and provide management with accurate data reference, product Make the final correct decision so that the fleet can improve operational efficiency on the basis of ensuring safety.

The “Building a Visual Data Management Platform Combined with Big Data Analysis and Automatic Monitoring” developed under this project has the following features :

- (1) Digitization: Use digital technologies, such as the Internet of Things, data monitoring and historical records, fault detection, etc., to improve the efficiency and accuracy of ship maintenance.
- (2) Intelligence: Use smart systems and automated equipment to improve the process and efficiency of the ship maintenance process.
- (3) Networking: Establish a networked platform for ship maintenance to support resource sharing and data exchange.
- (4) Standardization: Develop standards for ship maintenance to ensure maintenance quality and applicability.
- (5) Environmental protection: Pay attention to the impact of ship maintenance on the environment, and introduce ship main engine emission reduction technology to protect the environment.

Therefore, this plan combines the traditional ship maintenance and repair industry in Keelung and New Taipei City, combined with the information and communication Internet of Things industry, integrates offshore wind turbine work ship industry cluster links, assists ship maintenance manufacturers to develop intelligent monitoring technology combined with the Internet of Things, and provides industry Integration of information systems creates a rapid warranty operation model.

The sustainable impact of the project includes:

- (1) Reduced emissions through engine efficiency and emission reduction technologies, supporting environmental protection.
- (2) Integration of renewable energy, such as offshore wind power, promoting green energy development.
- (3) Digitization of ship maintenance processes increases operational efficiency, reducing waste and resource consumption.
- (4) Preventive maintenance minimizes equipment failures, saving time and materials.
- (5) Networking and data-sharing enhance resource use and support sustainable maritime operations.



Evidence:

<https://mitpsa.ntou.edu.tw/p/406-1020-103496,r11.php?Lang=zh-tw>

<https://r088.ntou.edu.tw/var/file/103/1103/img/1564/526913451.pdf>

<https://r088.ntou.edu.tw/var/file/103/1103/img/1564/223080390.pdf>

9. Taiwan Ocean Law Review

Through the exchange of cross-strait legal journals, it will promote cross-strait legal exchanges, enhance the atmosphere of cross-strait legal research in academic institutions, and help cross-strait mutual understanding and the establishment of a country under the rule of law.

Objective: Through the exchange of legal journals across the Taiwan Strait, this activity aims to promote cross-strait legal academic exchanges, enhance the research atmosphere on cross-strait legal studies in academic institutions, and contribute to mutual understanding and the establishment of the rule of law between both sides.

Sustainable impact:

1. Mutual Exchange of Journals Published by Cross-Strait Schools

In recent years, the *Taiwan Ocean Law Journal* has engaged in journal exchanges with legal institutions in mainland China. In return, legal institutions from mainland China have gifted various journals and books, such as the *China Ocean Law Review*, *Nanjing University Law Review*, *Peking University Law Journal*, and *Strait Law Review*. Upon receipt, these publications are cataloged and included in our library collection for the benefit of our faculty and students.

2. Cross-Strait Academic Exchange

Currently, one mainland Chinese student from Dalian Maritime University is pursuing a doctoral degree at our institution. The "Cross-Strait University Law Journal Exchange Program" facilitates academic exchanges between legal institutions in Taiwan and mainland China, deepening the understanding and recognition of each other's academic research. Additionally, this initiative has increased the visibility of our institution and journal in mainland China, attracting more visits from mainland scholars, which is regarded as the greatest added value of this activity.



Evidence:

<https://r088.ntou.edu.tw/var/file/103/1103/img/1564/539841567.pdf>

<https://r088.ntou.edu.tw/var/file/103/1103/img/1564/731684444.pdf>

10. Oceanic Culture Journal, 34, 35

The Institute of Oceanic Culture publishes the Oceanic Culture Journal, which publishes monographs, research discussions and related discussions related to Marine Culture that have not been published at

home and abroad, and the articles included are academically rigorous, comprehensive and in-depth, so as to enhance the research atmosphere and academic level.

The articles included in Issue 34 are:

- (1) 1.A Preliminary Study on the Development of “Clam” Culture from the Pre-Qin Dynasty to the Southern and Northern Dynasties
- (2) Image Interpretation of the Keelung Temple Settlement in the Late 19th Century---A Case Study of Dianji Temple
- (3) Examining the Development and Contributions of the Luchou Lee Family through the Archives - A Case Study of Lee You-Pang
- (4) Dynamic Fluctuation: Historical Factors in the Formation and Change of the Oyster Farms in Quemoy
- (5) 5Cultural Manifestation in Taiwanese Films Set on “Lanyu”: A Discourse Centered on “The Waiting Fish” and “Only the Sea Knows”

The articles included in Issue 35 are:

- (1) Green Shipping - Cruise Tourism Industry in Taiwan
- (2) Cultural and Creative Products Design Based on Local Culinary Culture
- (3) Face to face Co-creative Global Design based on Cultural Factors -Focused on the Case Study of ISDW 2023: Service Design at Keelung City -
- (4) The Belief of the Wang-Ye and Its Cultural and Creative Product Design in the Coastal Area of Great Keelung
- (5) Fishing Grounds and Aboriginal Territories in the Neritic Zones of Northern Taiwan: A Focus on Danshui Tribe, Jinbaolai Tribe, Dajixiang Tribe, and Sandiao Tribe
- (6) Research on Taiwan’s Oil Import Situation after the Russo-Japanese War (1905~1908)
- (7) An Analysis of the Oceanic Writing in Qu Yuan's Works
- (8) Gazing at the South Island: Qian Gechuan's Travel Writing in Post-WWII Taiwan

Sustainable impact: aligns with SDG 4.3.1 by providing access to comprehensive and rigorous academic resources related to marine culture, which are available to a broad audience. By publishing monographs and research that contribute to the understanding of cultural and historical aspects of marine life, this journal supports lifelong learning for individuals outside formal university settings. If the journal is freely accessible online or through public channels, it further enhances its sustainable impact by promoting free access to educational materials, fostering academic growth and cultural knowledge.



Evidence:

<https://ioc.ntou.edu.tw/p/412-1050-7493.php?Lang=zh-tw>
<https://r088.ntou.edu.tw/var/file/103/1103/img/1564/578374734.pdf>
<https://r088.ntou.edu.tw/var/file/103/1103/img/1564/320685746.pdf>

11. Promote the 'University Faculty and Student Practicum in Schweitzer's Spirit of Education Service Program

- (1) Encourage students to practice Schweitzer's spirit of caring for the disadvantaged and providing professional services to embody the great love of education. National Taiwan Ocean University is implementing the 'University Faculty and Student Practicum in Schweitzer's Spirit of Education Service Program,' recruiting 17 students to support disadvantaged students academically. The Affiliated Keelung Maritime Senior High School of National Taiwan Ocean University and Keelung City Zhengbin Junior High School.
- (2) In implementing this program, we aim to cultivate passionate students who will selflessly dedicate themselves to assisting disadvantaged students. Not only will these students enhance their professional skills, but they will also gain a profound understanding of the true meaning of care and dedication. They will apply their knowledge and skills to support these children's learning, providing them with valuable educational resources. This initiative is an opportunity for academic practice and a means to promote social equity.

Sustainable impact: This program fosters long-term social impact by nurturing compassionate students who will continue to support disadvantaged communities, thereby promoting social equity. It enhances participants' professional skills and instills a commitment to lifelong service. By empowering underprivileged students with valuable educational resources, it contributes to reducing educational inequalities and builds a more inclusive society.



Evidence: <https://tec.ntou.edu.tw/p/406-1019-94329,r1301.php?Lang=zh-tw>

12. Marine Education Specialization Enhancement Credit Program

- (1) We offer a professional development course in “Marine Education,” which includes carefully planned outdoor activities designed to make the course more interactive and engaging. Through this design, we hope we can enhance middle and elementary school teachers' understanding of

marine education and strengthen their ability to incorporate marine knowledge into their teaching. There are 23 teachers from high schools, middle schools, and elementary schools who participated in the course, hoping to apply what they have learned to their teaching practices.

- (2) The course integrates the “Marine Educator Training Program” planned by the Taiwan Ocean Education Center and incorporates it into the training curriculum. This integration provides participants in the course with the opportunity to become professional marine educators, enabling them to continue promoting marine education and bringing marine knowledge and enthusiasm into more teaching environments.

Sustainable impact: enhancing the quality of education through specialized training for teachers, fostering a deeper understanding of marine topics. By equipping 23 teachers with marine knowledge, it promotes lifelong learning and ensures they can incorporate environmental awareness into their teaching. This initiative strengthens the capacity of educators to inspire future generations, contributing to inclusive and equitable quality education.



Evidence: <https://tec.ntou.edu.tw/p/406-1019-87855,r538.php?Lang=zh-tw>

13. Environmental Sustainability: Mountain, Sea, and River Ecosystem Conservation and Environmental Education (Satoyama - Maintenance and Beautification of Terraced Environments)

In Gongliao's Jimuling area, an ecological survey project has been initiated to explore the traditional plants used by local residents and their associated folk knowledge. The project involves conducting preliminary ecological surveys of the area's water terraces and low mountain forests and testing eco-tourism routes. Indigenous plants are identified, and information about traditional plants is compiled into cards placed alongside the species. This effort is combined with food and agriculture education, helping both locals and visitors deepen their understanding of ecological information and reinforcing the connection between raw materials and food.

Sustainable impact: integrating traditional plant knowledge into educational resources, fostering environmental awareness and cultural understanding. By linking ecological surveys with food and agriculture education, it empowers locals and visitors with practical knowledge about biodiversity and sustainability. This initiative enhances learning opportunities and supports the preservation of cultural heritage, contributing to inclusive and equitable quality education.



Evidence:

<https://arcg.is/eKnqH>

<https://r088.ntou.edu.tw/var/file/103/1103/img/1564/125919310.pdf>

14. Environmental Sustainability: Mountain, Sea, and River Ecosystem Conservation and Environmental Education (Satoyama - Protection and Enhancement of Soil and Water Resources)

To showcase the outcomes of related initiatives and encourage community involvement, a collaborative effort has been established between Shuangxi District Office, Shanglin Village, and Xinji Village communities in the Shuangxi River basin to create a local chemical-free farming demonstration zone. This demonstration area utilizes eco-friendly enzymes and liquid fertilizers for fertilization and weeding, with regular soil testing and data collection. Through these practical examples, the initiative aims to inspire local farmers to adopt sustainable farming practices, educating them and community elders on producing and using compost enzymes from kitchen waste. This approach is intended to reduce the use of chemical fertilizers and pesticides, lower nitrogen and phosphorus emissions, and lessen the burden on local waterways.

Sustainable impact: offering practical, hands-on education on sustainable farming practices. By training local farmers and elders to produce and use compost enzymes, the initiative fosters lifelong learning and environmental stewardship. This project reduces reliance on chemical fertilizers and pesticides, encourages eco-friendly farming, and promotes sustainability in agriculture, contributing to quality education for sustainable development.



Evidence:

<https://arcg.is/eKnqH>

<https://r088.ntou.edu.tw/var/file/103/1103/img/1564/457549516.pdf>

15. Seminar

Invite experts and scholars from outside the school or professors from the school to give 1-2 hours of selected speeches on different fields such as food industry, aquaculture, fishery resources, marine biology, environmental science, health management, quality control, business operations or alumni employment experience to enhance Students' extracurricular knowledge and verification of the theories learned.

Sustainable impact: broadening students' extracurricular knowledge and connecting theoretical learning with real-world applications. These talks offer diverse perspectives in industries like food, aquaculture, marine biology, and business, enriching the educational experience and fostering critical thinking. By exposing students to practical knowledge and employment experiences, the initiative enhances inclusive and equitable quality education.



Evidence:

<https://fs.ntou.edu.tw/p/412-1073-5936.php?Lang=zh-tw>

16. 2023 Oceanic Culture Graduate Student Forum 2023 海洋文化研究生論壇

In order to promote graduate students across the country to be more concerned about marine affairs and conduct in-depth research, the Institute has opened up a new dimension and held a seminar for graduate

students in addition to the previous academic activities dominated by teachers and scholars, named “2023 Oceanic Culture Graduate Student Forum”, which is also scheduled to be held on June 9, 2023, the United Nations World Oceans Day, which is also China's National Oceans Day.

A total of 25 papers were submitted to the forum, and 24 were finally published, with a total of 51 guests, hosts, discussants and students, and 18 people registered for online participation, including: 1. Teachers, scholars and experts in related fields in academia and schools at all levels; 2. Graduate students and doctoral students in related fields in colleges and universities; 3. Local literary and historical workers; People in the community who care about related issues.

Sustainable impact: fostering advanced research and encouraging graduate students to engage deeply with marine affairs. By involving teachers, scholars, students, and community members, the forum creates an inclusive platform for knowledge exchange and academic development. The event enhances higher education and lifelong learning opportunities, empowering students to contribute to sustainable development in marine and oceanic fields.



Evidence:

<https://ioc.ntou.edu.tw/p/132-1050-1854,c175-1.php?Lang=zh-tw>

<https://r088.ntou.edu.tw/var/file/103/1103/img/1564/778746549.pdf>

17. 2023 International Conference on Oceanic Culture 2023 海洋文化國際學術研討會

The 2023 International Conference on Oceanic Culture was successfully concluded on November 24, 2023 at the National Ocean University of Taiwan. The conference was guided by the Ministry of Education and the Ocean Affairs Council, the Institute of Oceanic Culture of the National Ocean University of Taiwan was the organizer, the Taiwan Marine Education Center and Yutai Lecture were the subsidized units.

The symposium featured two keynote speeches, starting with Professor LEW Bon Hoi, Professor of the Department of Southeast Asian Studies and Director of the Centre for Malaysia History at New Era University College Malaysia, on the topic of “ The Spread and Development of Malaysian Chinese Culture Overseas: An Assessment of Content and Features of Malaysia as a Chinese Culture Sphere”. The speech pointed out that since the 19th century, there has been a large influx of Chinese people in Malaysia, although most of them are illiterate, but they practice the living customs of the Han people in other places, speak Chinese, and pursue Confucian values.

This was followed by a written keynote speech by Professor Emeritus MATUURA Akira of Kansai University in Japan, on the topic of “ Maritime trade and maritime merchants and piracy in East Asia

from the mid-16th century to the early 17th century “ This article analyzes maritime trade and maritime piracy along the coast of East Asia from the mid-16th century to the mid-17th century.

A total of 44 guests, moderators, special discussants and presenting scholars participated in the seminar, and 112 people registered for online participation, including: 1. Teachers, scholars and experts in related fields in academia and schools at all levels; 2. Graduate students and doctoral students in related fields in colleges and universities; 3. Local literary and historical workers; People in the community who care about related issues.

Scholars who have presented papers at the symposium can submit their papers to the Journal of Oceanic Culture, which is very helpful for the publication and sharing of academic results. Based on the results of past transactions, we will continue to hold the “2024 International Conference on Oceanic Culture”.

Sustainable impact: fostering global academic collaboration and enhancing knowledge on maritime culture and history. Through keynote speeches and scholarly presentations, the conference provides a platform for educators, students, and experts to exchange ideas and promote research in oceanic culture. By encouraging paper submissions for academic publication, the event contributes to the dissemination of knowledge, promoting lifelong learning and quality education in the field of maritime studies.



Evidence:

<https://ioc.ntou.edu.tw/p/132-1050-1998,c174-1.php?Lang=zh-tw>

<https://r088.ntou.edu.tw/var/file/103/1103/img/1564/770233868.pdf>

18. Food Safety and Law Seminar

Invite experts and scholars from outside the school or professors from the school to give 1-2 hours of selected speeches on different fields such as food industry, aquaculture, fishery resources, marine biology, environmental science, health management, quality control, business operations or alumni employment experience to enhance the extracurricular knowledge of students inside and outside the school and verify the theories learned.

Sustainable impact: expanding students' extracurricular knowledge and deepening their understanding of theoretical concepts through real-world examples. This initiative promotes lifelong learning by providing diverse educational experiences in industries like food, aquaculture, and environmental science. By connecting academic theory with practical insights, it fosters quality education and prepares students for future career opportunities.



Evidence:

<https://fs.ntou.edu.tw/p/412-1073-5936.php?Lang=zh-tw>

19. Lectures on Oceanic Culture

The IOC invites several scholars in various professions in oceanic culture each semester to share their theories and findings in the academic field.

A total of 7 presentations were held in 2023:

20230309	Between God and Man! The Taoist priest plays the role of propagating the Dharma
20230503	A young country surrounded by the sea: Stories from Timor-Leste
20230509	Outcomes and Social Impact of the Hong Kong Urban Renewal Fund: Scope, Framework and Impact
20230526	Why did I succeed in starting a business in Keelung Waimushan?
20231101	From the Rakshasa Ghost Kingdom to the Dragon Palace Sea City Liaozhai Rakshasa Sea City's images and metaphors of the Sea Kingdom
20231115	Memories of the Sea: Maritime Culture in the Oral Literature of Taiwan's Aborigines
20231213	Civilization in the Desert - Israel, Egypt

Sustainable impact: offering interdisciplinary knowledge on oceanic culture, providing students and scholars with diverse perspectives and research insights. These lectures enhance academic learning and cultural understanding, fostering critical thinking and global awareness. By connecting theory with real-world applications, the initiative contributes to inclusive, equitable quality education and supports lifelong learning.



Evidence:

<https://ioc.ntou.edu.tw/p/132-1050-2016,c158-1.php?Lang=zh-tw>

20. Summer sports training activity 暑期運動訓練營

In order to cultivate people's swimming skills, Promote legitimate leisure sports for the public, Promote national health and expand community services, Specially organizes sports training camps in the summer. In addition, Actively seek to integrate with the community, Motivate teachers and students, community participation, Improve sports culture.

Sustainable impact: By encouraging teacher, student, and community participation, the initiative strengthens the connection between education and community engagement. This effort improves sports culture, promotes lifelong learning, and supports the development of healthier lifestyles, contributing to equitable and quality education for all.



Evidence:

<https://peadmin.ntou.edu.tw/p/412-1012-2867.php?Lang=zh-tw>

<https://r088.ntou.edu.tw/var/file/103/1103/img/1564/226182311.pdf>

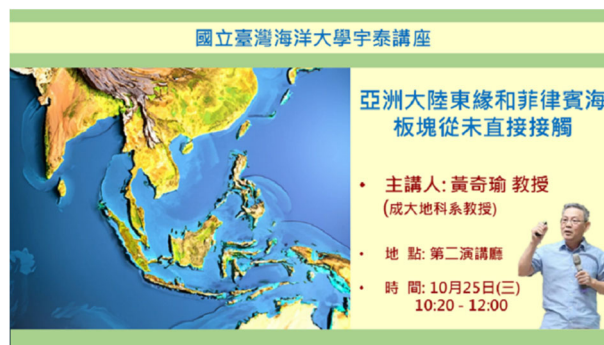
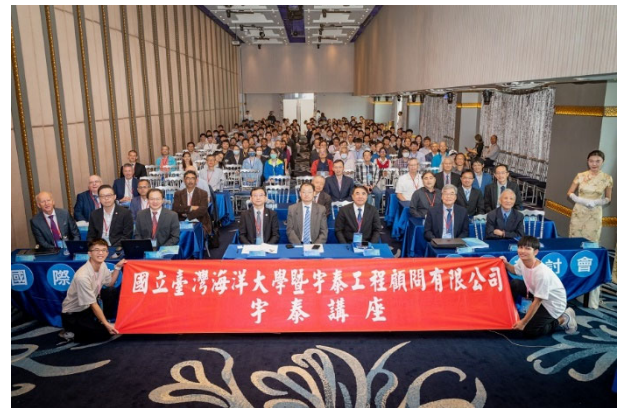
<https://r088.ntou.edu.tw/var/file/103/1103/img/1564/804037880.pdf>

21. UnionTech Lectures 宇泰講座

National Taiwan Ocean University and UNION-TECH ENGINEERING CONSULTANTS CO. have collaborated since 2012 to establish the “UnionTech Lectures” inviting distinguished scholars, experts, and prominent figures from both domestic and international circles to give lectures at the university. In 2023, a total of 38 UnionTech Lectures were held, featuring scholars and experts from various fields, including but not limited to science, engineering, humanities, arts, and economics. In response to global sustainability issues, the invited speakers’ lecture topics were all aligned with the United Nations Sustainable Development Goals (SDGs).

As of 2023, UNION-TECH ENGINEERING CONSULTANTS CO. has donated nearly NT\$5 million to National Taiwan Ocean University, organizing over 170 lectures. More than 180 international scholars have been invited, benefiting nearly 17,000 students.

Sustainable impact: providing high-quality education through diverse lectures aligned with the UN Sustainable Development Goals. With over 170 lectures and participation from more than 180 international scholars, the initiative enhances students' global awareness and interdisciplinary learning. The program has directly benefited nearly 17,000 students, fostering lifelong learning and contributing to inclusive and equitable quality education.



Evidence: <https://research.ntou.edu.tw/p/412-1021-9520.php?Lang=zh-tw>

22. Marine Education Camp 海洋教育營

This event is led by our school's teachers, guiding the department's student association and club

members to actively participate. Through a camp format supplemented with large-scale games and fish-eating education activities, we led 30 students from four local elementary schools in Yunlin to understand and appreciate marine education. We hope to root marine education deeply, thereby cultivating the children of coastal villages to take an interest in the ocean, and through this event, nurture young marine pioneers; at the same time, through the participation of local residents and elementary school teachers, our school designs and plans teaching cases, thereby cultivating lecturers related to marine education.

The planned activities fully reflect the ocean expertise of the National Taiwan Ocean University, with many designed to inspire elementary students' interest in fisheries and marine issues. For example, fish consumption education and marine waste reuse are incorporated into fun learning experiences that also promote the concept of marine conservation. In particular, to deepen local elementary students' understanding of fisheries and their hometown industries, the “fish consumption education” course uses local Yunlin ingredients such as Taiwanese sea bream, clams, and oysters. By engaging students in cooking these ingredients themselves, the course instills the concept of reducing carbon footprints, thus genuinely promoting marine education. This also helps achieve the goals of the “Yunlin Four Mouths - Li Hai Fishing Village” USR project team in deeply cultivating local talent and fostering marine professionals.

Sustainable impact: providing hands-on marine education to elementary students, fostering early interest in ocean conservation and fisheries. Through interactive activities like fish-eating education and marine waste reuse, students gain practical knowledge about sustainable practices. The program also engages local teachers and residents, building a foundation for lifelong learning and cultivating future marine professionals, contributing to inclusive and quality education in coastal communities.



Evidence:

https://www.facebook.com/permalink.php?story_fbid=122191384772064583&id=61551937503220&ref=embed_post

23. **The 1st “Marine English Presentation Competition”** 第一屆「海洋英語簡報競賽」

In 2023, National Taiwan Ocean University Institute of Applied English held its inaugural “Marine English Presentation Competition,” aimed at enhancing students' English expression skills, oral communication, and presentation design abilities. The competition focused on the SDGs (Sustainable Development Goals), encouraging students to propose innovative solutions for sustainable development, thereby fostering independent thinking and social concern.

The event attracted 12 participants who submitted English presentations and 3-minute English presentation videos. After a thorough evaluation by the judging panel, 3 outstanding works were selected, showcasing the participants' deep understanding and creative solutions for sustainable development.

This competition not only improved participants' language skills and presentation techniques but also expanded social awareness of sustainability issues. Through active student participation and public display, the event effectively connected academic insights with practical applications, promoting advocacy and attention to sustainability issues.

Sustainable impact: enhancing students' English communication and presentation skills while fostering critical thinking on sustainability issues. By encouraging innovative solutions aligned with the SDGs, the competition promotes independent learning and social awareness. It bridges academic knowledge with real-world sustainability challenges, empowering students with practical skills and a deeper understanding of global issues, contributing to inclusive and quality education.



Evidence:

<https://langiae.ntou.edu.tw/p/405-1065-84347,c10375.php> 、 <https://reurl.cc/E6VdGR>
<https://r088.ntou.edu.tw/var/file/103/1103/img/1564/101630399.pdf>

24. **Mandarin Funny Speech Contest** 華語文趣味演說比賽

The event aims to promote an understanding of Taiwanese culture among our international and

overseas Chinese students, while also enhancing their motivation to learn Mandarin through the sharing and exchange of personal experiences or perspectives. The competition features four main speech topics: "The most impressive thing you met after coming to Taiwan," "What is the most beautiful scenery in Taiwan," "Mandarin I can't learn from the textbook," and "My Travel Experiences in Taiwan." International students are free to choose one of these themes for their speeches. Participants come from all over the world, and it is hoped that students from different countries can discover the beauty and culture of Taiwan from diverse perspectives. At the same time, through feedback from professional judges, they will improve their Mandarin-speaking skills while engaging in cultural exchange.

Sustainable impact: offering a free educational opportunity open to international and overseas Chinese students, promoting lifelong learning and cultural exchange. By encouraging students to explore Taiwanese culture and improve their Mandarin skills through personal experiences, the event fosters inclusive education. It enhances language proficiency and intercultural understanding, providing evidence of meaningful engagement in lifelong learning and public access to educational experiences.



Evidence:

<https://r083.ntou.edu.tw/p/406-1100-85972,r1307.php?Lang=en>

25. **2023 Ministry of Education Teaching Practice Research Program - Applying the Balanced Scorecard in Food Safety Training for Catering Personnel** 112 年教育部教學實踐研究計畫-運用平衡計分卡在餐飲食安人員培訓課程
Assistant Professor Chuang Pei-Ting of the Institute of Food Safety and Risk Management has received

a grant from the Ministry of Education's 2023 Teaching Practice Program. The grant supports the development of a certification course titled "Applying the Balanced Scorecard in Food Safety Training for Catering Personnel." Through this course, Food businesses must comply with the Food Act to protect the health of consumers and employees. Through this course, students can learn the best practices for food processing in the American catering industry, and take an online exam at the end of the course. If they pass the course, they can obtain a Servsafe Food Safety Certificate, which will enhance their competitiveness in the workplace.

Sustainable impact: offering an educational program open to students, enhancing lifelong learning opportunities in food safety. By teaching best practices in food processing and offering the chance to obtain a Servsafe Food Safety Certificate, the course boosts students' professional qualifications and workplace competitiveness. This initiative provides publicly accessible training, supporting sustainable education in line with industry standards.



Evidence: <https://reurl.cc/jy9XAD>

26. Yutai Lectures

Bachelor degree program in ocean tourism management integrates interdisciplinary faculty from both within and outside the university, working together to incorporate sustainable development goals into the curriculum for cultivating future marine tourism management professionals. Depending on the needs of different courses, faculties invite experts or scholars from industry, government, academia, and NGOs to give lectures to encourage students to catch trends in the sustainable development of the marine tourism industry. This includes deepening partnerships and collaborations with relevant stakeholders, local engagement, and education and practices related to sustainable tourism.

Sustainable impact: offering interdisciplinary, publicly accessible education that integrates sustainable development goals. By inviting experts from various sectors to give lectures and fostering collaborations with stakeholders, the program promotes lifelong learning in marine tourism. This initiative enhances students' understanding of sustainable tourism practices, deepens local engagement, and prepares them for careers aligned with global sustainability trends.



Evidence: <https://research.ntou.edu.tw/p/412-1021-9520.php?Lang=zh-tw>

27. Senior citizens learning camp

The Elderly University allows seniors to enjoy a high-quality campus environment and learn alongside young students. It provides opportunities for older adults to enhance their abilities in daily life, utilizing the university's faculty and facilities at a low cost to access high-quality educational content. This helps achieve the goal of “active aging” by opening up new life perspectives for seniors. It allows elders who may not have had the chance to attend university in their youth to study, acquire new knowledge, and expand their social networks in the academic setting. At the same time, the Elderly University emphasizes the promotion of sustainable development concepts. Through various courses, seniors are encouraged to understand the importance of environmental protection, resource conservation, and green living, and are motivated to adopt sustainable practices in their daily lives.

By establishing a learning mechanism and providing opportunities, the Elderly University enhances the learning rights of older adults, improves their ability to adapt to family life and society, and offers opportunities for further education and social participation. Through the integration of sustainability concepts into course design, it not only helps improve personal quality of life but also promotes long-term social development and environmental protection. Each academic year, one class is enrolled, with a minimum of 25 students required to start a class.

The courses are rich and diverse, closely related to daily life, such as understanding international cultures, fire safety essentials for seniors, life and law, practical acupressure and health massage, medication safety and wellness for seniors, and topics related to sustainable development. These include environmental and health protection through sustainability, coastal wetland ecology, and more, which further enhance seniors' motivation and willingness to learn, while also allowing them to contribute to the future of the planet. There are no gender restrictions for enrollment; regardless of biological sex or gender identity, all participants are welcome, thereby promoting the goal of gender equality.

Sustainable impact: offering low-cost, accessible educational opportunities for seniors, fostering lifelong learning in a university setting. The program promotes active aging and integrates sustainability concepts, encouraging seniors to adopt environmentally responsible practices. By providing courses on diverse topics such as sustainable development and personal well-being, it enhances social participation, personal adaptation, and promotes inclusive education for all, regardless of gender identity.



Evidence: <https://sites.google.com/email.ntou.edu.tw/ntousenior/>

28. 2023 SDG related courses 2023 年永續發展相關微學分課程

In 2023, we will hold several micro-credit lectures and courses, which are based on the concept of sustainable development and quality education, and the related courses are listed below:

2023/5/11, 5/18	2023 National Taiwan Ocean University Art Tour_[Spring No.] Seal Stone Carving Workshop
2022/8/5	The Importance of Sustainability in Fisheries (English Lecture)
2023/5/3	Molecular Forces on the Structure of Materials
2023/4/22, 4/23	[Yushan Overseas Chinese Association X National Taiwan University of Science and Technology] Workshop for Career Challenge
2023/5/24	Giving Your Future Self One More Choice -“National Exam”and“Public Employment Benefits”
2023/3/29	Notice of Love - Introduction of“Stalking and Harassment Prevention Act”
2023/4/26	The Daily Life of a College Student -“Infringement of Human Rights”and “Cybercrime”
2023/5/10	Everyday Life of College Students - Types of Intellectual Property Rights Infringement!
2023/3/30	Shrimp Destruction? Cultural differences make airplanes fall down?
2023/4/20	Plan your life and enrich your resume now!
2023/4/27	A day of communication and bad luck.
2023/5/4	Wyatt walker, the shrimp facing the big whale.
2023/5/18	Character Traits and Conflict Resolution

2023/6/5	2023 National Taiwan Ocean University Art Tour_Ceramic Painting Workshop
2023/10/4	2023 National Taiwan Ocean University Art Ceremony_[Autumn] Seal Carving Workshop
2023/10/5	Climate and Sustainable Fisheries
2023/10/11	Fair Use and Copyright Infringement Cases of Secondary Creations
2023/10/12	How do you become famous? Using Subtle Behavior to Trigger a Mega-Popularity
2023/10/16	Telling My Origin Story
2023/10/25	The Intellectual Property Law Boundaries of“Public Broadcast”and“Public Performance”
2023/11/2	Data Traps: A Guide to Watching Them Carefully
2023/11/6	Renewing the Golden Years
2023/11/8	Legal Red Line for Students' Love Credits
2023/11/13	My Campus Life
2023/11/20	Sharing of Campus Activities
2023/11/22	Privacy, Reputation and Phishing
2023/12/6	Is it good to be a civil servant? Talking about“Public Service”Benefits and Protection
2023/12/7	Procrastination, the More You Need to Understand the Psychology of Procrastination: A Guide to the Psychology of Procrastination
2023/11/18, 11/25	2023 National Taiwan Ocean University Art Tour_[Autumn] Ceramic Painting Workshop

Sustainable impact: providing diverse, accessible educational opportunities focused on sustainable development and quality education. These free or low-cost workshops, ranging from sustainability in fisheries to intellectual property and personal development, foster lifelong learning for students and the public. By offering a wide range of topics, the program promotes inclusivity, practical knowledge, and active engagement with global sustainability challenges, enhancing equitable education for all.



Evidence: <https://r082.ntou.edu.tw/p/426-1099-7.php?Lang=zh-tw>

29. 2023 Arts Activities

In 2023, seven visual art exhibitions are planned, where artists, through self-reflection and technical experimentation, create works that celebrate the beauty of nature while emphasizing the importance of environmental conservation and coastal erosion. Through these exhibitions, art guides viewers to

participate in interdisciplinary ocean education, inspiring deeper reflection on environmental issues.

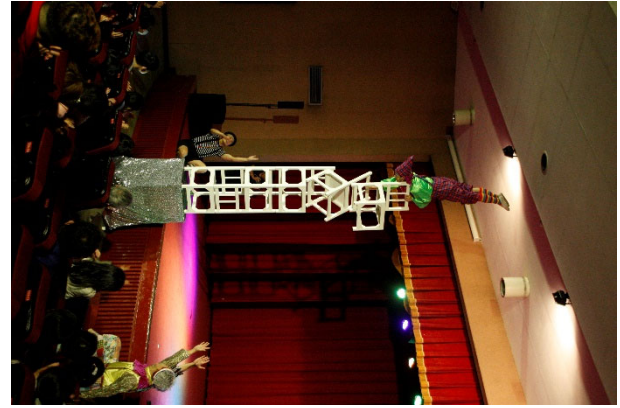
Ceramic Painting Exhibition – TAI-HWA POTTERY Artists' Porcelain Creation Group Exhibition:
TAI-HWA POTTERY, established in 1983, initially focused on producing antique-style ceramics. Instead of following the trend of Taiwanese industries relocating abroad, the company chose to stay in Taiwan and transform its business. In this group exhibition, the artists skillfully leverage the properties of glazes and pigments, using their unique creative language to express vibrant, shifting colors and forms. Their works highlight distinctive experimental results and styles.

Railway Model Exhibition – Small World Classic Railway Model Exhibition:
Model maker Hsu Chih-Kang creates scenes from Taiwan's railway series, using materials ranging from paper and copper sheets to advanced 3D printing. He repurposes everyday items as creative elements and paints them, faithfully recreating the nostalgic railway landscapes of memory. The works are rich in detail and realism, transporting viewers back to a simpler and more beautiful era. In 2023, we organized two performing arts events that, through innovative performance methods and high-quality artistic content, allowed audiences to appreciate the diversity and richness of art and experience its boundless possibilities.

Eye Catching Circus – Circus Together: The “Eye Catching Circus” presents an astonishing stunt performance that combines exceptional physical feats with imaginative stagecraft, transporting the audience into a world of wonder and challenge. The performance includes mime and juggling, with interactive elements that keep the audience captivated and reluctant to look away from the performers. Not only do the performers push the limits of their physical abilities, but they also showcase the exquisite skills and innovative courage developed through rigorous training.

The Wanted – Wasting All the Time with You: “The Wanted” featured a repertoire ranging from pop music to original compositions, showcasing the rich layers and harmonious beauty of vocal lines. Through meticulous arrangements and heartfelt performances, this event provided the audience with a profound artistic experience, allowing each viewer to experience the power and charm of the human voice.

Sustainable impact: offering accessible educational and cultural experiences that promote interdisciplinary learning. Through art that emphasizes environmental conservation and performances showcasing creativity and innovation, these events foster public engagement in lifelong learning. By raising awareness of sustainability and providing opportunities for reflection on environmental issues, the initiative promotes quality education while inspiring action toward global sustainability goals.



Evidence: <https://art.ntou.edu.tw/>

30. **Marine practical lectures-Development trends and prospects of offshore wind power industry**

In her inauguration speech on May 20, 2020, President Tsai announced the promotion of six core strategic industries including information and digital, information security excellence, precision health, green power and renewable energy, national defense and strategy, people's livelihood and combat readiness. In terms of green energy and renewable energy industries, we will build a renewable energy industry zone and R&D base, improve the green power participation system, and build a national offshore wind power team to enter the Asia-Pacific wind power industry chain and export Taiwan's wind power industry internationally.

The government is very determined to promote the construction of the offshore wind power industry. It will use the “Key Points for Offshore Wind Power Planning Site Capacity Allocation Operations” at the potential site stage to encourage developers to voluntarily submit specific commitments on industry-related implementation plans to promote the offshore wind power industry at home and abroad. Substantial cooperation among industry players has been established, and an underwater basic industrial cluster has been formed in Taipei Port and Kaohsiung Xingda Port, and a production base for wind turbines and key components has been formed in the Taichung Port Industrial Zone, which will comprehensively promote the development of China's offshore wind power industry supply chain.

In the past, the domestic industry had no actual experience in manufacturing offshore wind power products. As the potential site stage is used to promote Taiwanese industry players to cooperate with international developers to build new production plant lines and produce products, they have faced the impact of the epidemic, investment problems and learning bottlenecks one by one. Overcome, we are actively seizing block development opportunities.

The Taiwan Wind Power Industry Association will assist member manufacturers in cooperating with

government policies to promote the development of Taiwan's offshore wind power industry. In the future, it will gather the energy of industry, academia and research to continue to assist manufacturers in accelerating filling of gaps in the industry chain, and promote multi-party international cooperation, playing a good role between the government and industry. It serves as a communication bridge, promotes a good environment for industrial development, and makes greater contributions to Taiwan's future offshore wind power industry.

Sustainable impact: fostering educational opportunities through industry-academia collaboration, encouraging lifelong learning in green energy. By building a renewable energy industry zone and supporting research and development, the initiative enables local industries to gain expertise in offshore wind power production. These efforts enhance skills development, international cooperation, and industry growth, creating an inclusive learning environment that contributes to sustainable industrial advancement.



Evidence:

<https://dme.ntou.edu.tw/p/406-1052-103827,r1287.php?Lang=zh-tw>

<https://r088.ntou.edu.tw/var/file/103/1103/img/1564/624508269.ppt>

31. Marine practical lectures-Marine Engineer of changing times

Marine engineer, marine engineer, or marine engineer, is a profession closely related to navigation and ship operations.

The history can be traced back to the ancient times of navigation and has continued to evolve with time and technological advancements.

The development of navigation technology and the increasing demand for ship maintenance and repair have promoted the emergence of ship engineering technicians.

From the piston steam engine to the modern steam turbine, it is called a steam turbine engine. Its working principle is to use the boiler to generate high-temperature and high-pressure water vapor, and then spray the high-temperature and high-pressure water vapor through the nozzle on the turbine blades to push the turbine to rotate at high speed, thus driving the propeller shaft. Mechanical energy of rotation.

The United States' nuclear-powered aircraft carriers are still inseparable from gas turbines. The U.S. Nimitz-class aircraft carrier power system consists of two Westinghouse A4W nuclear reactors and four steam boilers. The way it works is that the nuclear reactor generates heat to boil circulating water, then drives the steam turbine, and finally drives the propeller to rotate.

Gas turbines began to be used on ships in the mid-20th century, especially on high-speed craft and some warships. They offer high power output and good weight efficiency.

A diesel engine has a higher thermal efficiency, which means it can convert more fuel energy into actual working energy.

Sustainable impact: offering opportunities for specialized education in navigation and ship operations, enhancing lifelong learning. By advancing knowledge of technologies such as steam turbines, gas turbines, and diesel engines, the field promotes innovation and sustainable practices in maritime industries. Educational programs in marine engineering empower students and professionals with the skills needed to contribute to sustainable, energy-efficient marine transportation, supporting quality education and industry development.



Evidence:

<https://dme.ntou.edu.tw/p/404-1052-103993.php?Lang=zh-tw>

<https://r088.ntou.edu.tw/var/file/103/1103/img/1564/496661876.pptx>

32. The 2nd Marine Science Picture Book Creation Promotion Event

To encourage local governments to combine outdoor education with marine education during "Marine Education Week," and to promote marine science picture books through marine education centers, local social education institutions, or campuses, our center organized the "Second Marine Science Picture Book Creation Award-Winning Works Tour Promotion" from April to August 2023. The event was held in five regions: Northern, Central, Southern, Eastern, and the Outlying Islands, focusing on marine education and picture book reading as the main themes for display and interactive experiences. Additionally, during the Central Region's exhibition, a "Second Marine Science Picture Book Creation Award-Winning Works Creation Sharing Symposium" was held, where award-winning teams were invited to share their creative processes and experiences in integrating marine education into picture book teaching. A total of 8,214 visitors participated in the event.

Sustainable impact: providing free, public access to marine education through interactive picture book exhibitions. By reaching over 8,000 visitors and encouraging local governments to integrate marine education into outdoor learning, the initiative promotes lifelong learning and environmental awareness. The sharing symposium further fosters creative approaches to teaching, enhancing educational engagement and sustainability education across diverse regions.



Evidence: <https://tmec.ntou.edu.tw/p/412-1016-11394.php?Lang=zh-tw>

33. **The Department of Bioscience and Biotechnology of NTOU hold a biology camp In 2023** In 2023, the Department of Bioscience and Biotechnology of NTOU hold a biology camp to invite the students of senior high school to teach them the knowledge of molecular diagnostics for GMO product to promote high-quality education.

Sustainable impact: offering high school students hands-on education in molecular diagnostics for GMO products. Through interactive activities such as DNA extraction, PCR, and electrophoresis, students gain practical knowledge and experience in bioscience. This camp promotes lifelong learning and accessibility to advanced scientific techniques, fostering curiosity and enhancing education in biotechnology, which supports high-quality education and skill development.





2023國立臺灣海洋大學
生命科學暨生物科技系

以分子檢驗技術 檢測基改產品

- 主辦單位：國立臺灣海洋大學 生命科學暨生物科技系
- 招生對象：對生物科技有興趣之國高中生(高中優先)
- 活動地點：國立臺灣海洋大學生科院301室
基隆市中正區北寧路2號
- 活動日期：2023.07.05 (三) 09:00-16:00
- 報名日期：2023.05.03 至 2023.06.15止
- 招生人數：30人 (名額有限，額滿為止)
- 費用(提供午餐)：預繳費用 200元 全程參與將全額退費
(於6/16公佈錄取名單，請於公佈5天內完成繳費)

報名方法：請填寫google表單
<https://forms.gle/1DXVWkrsPI6jCzf7>
 營隊網址：
 IG: https://www.instagram.com/ntou_dbb_official/
 FB: https://www.facebook.com/ntoudbb/?locale=zh_TW
 活動聯絡人：陳昱宏
 連絡電話：0988 050 928
 聯絡信箱：chenyuhung4@gmail.com





google 表單 @NTOU_DBB_OFFICIAL

Evidence:

<https://www.facebook.com/ntoudbb/posts/687387100069697>

<https://r088.ntou.edu.tw/var/file/103/1103/img/1564/135052346.pdf>

34. Topics in Oceanic Humanities

In response to the rapidly changing social environment and industrial patterns, we invited Professor Tsung-Yuan Hsiao to conduct a series of workshops focused on ocean-themed poetry in Western literature. Notable poems discussed in this course include Matthew Arnold's Dover Beach, Emily Dickinson's I Started Early – Took my Dog, among others.

Sustainable impact: align with SDG 4.3.2 by offering accessible, interdisciplinary learning opportunities. These workshops promote lifelong learning and deepen students' understanding of both literature and environmental themes, such as coastal erosion and ocean conservation. By integrating literature with marine topics, the course fosters critical thinking and raises environmental awareness, contributing to high-quality, inclusive education centered around sustainable development issues.

Evidence:

<https://chss.ntou.edu.tw/p/412-1040-6116.php?Lang=zh-tw>

<https://r088.ntou.edu.tw/var/file/103/1103/img/1564/269860749.pdf>

35. Executed 2023 Ministry of Education's "Training Program for Interdisciplinary Talents of Precision Health", and set up summer course credit classes

From 2020 onwards, based on the Biomedical Industry Innovation Program, the Executive Yuan has continued to improve the ecosystem of precision health, strengthen the industry chain of precision health, and further connect with the world. By means of inter-ministerial cooperation, it outlines a vision of a society for all age health by 2030, including national health insurance, prediction, prevention, screening, diagnosis, treatment, prognosis, and care.

Sustainable impact: fostering cross-ministerial cooperation to create a robust precision health ecosystem. It focuses on improving public health through comprehensive education on prediction, prevention, screening, diagnosis, and care. By enhancing talent in precision health and connecting local industries with global trends, the initiative encourages lifelong learning, equips participants with cutting-edge healthcare knowledge, and promotes sustainable health education.





Evidence: <https://ai-center.ntou.edu.tw/food>

36. Sport and recreation

The workshop offers various exercise courses, such as TRX suspension training, which “sculpts the perfect body, bringing health and beauty along!” It helps you build a stable core, improve physical fitness and muscle endurance, and target specific areas of the body to shape a healthy, graceful physique. Through aerobic exercise, it enhances cardiovascular function, boosts metabolism, and burns fat and calories. Core training on the mat increases overall muscle endurance, while stretching exercises help sculpt the body and enhance your curves. These courses not only focus on personal health but also incorporate sustainability principles, encouraging participants to bring their own towels and water bottles to reduce the use of disposable containers like paper cups and plastic bottles, thereby reducing carbon footprints.

Ball Yoga uses a 20 cm mini resistance ball, combining yoga, Pilates, and elements of graceful dance in a smooth flow of static and dynamic movements. It trains muscle endurance, flexibility, and coordination, while also improving balance and stability.

Zumba Dance: “Health and happiness are simple yet realistic wishes for everyone. How long has it been since you’ve moved your body freely amidst your busy studies and work? If you want to relieve stress and recharge with positive energy, this is the best choice!” Breaking the boundaries of basic fitness, this energetic workout is set to vibrant Latin music and combines the essence of aerobics and Latin dance with various dance styles. It integrates movements from mambo, salsa, rumba, cha-cha, samba, reggae, belly dance, hip-hop, African dance, and flamenco to keep the body energized through diverse exercises.

TRX Sculpting Class: This specialized course uses body weight and gravity to train muscle strength throughout the body. TRX suspension equipment allows simultaneous exercise of multiple body parts, working both muscles and joints. It activates small muscle groups, promoting balance between muscles, and offers a low-energy, high-efficiency workout experience. TRX is suitable for aerobic training, muscle and stretching exercises, and effectively enhances muscle control and posture, making it an ideal training method for the general public.

Strength Aerobics: “Building muscle and reducing fat is key to sculpting a perfect figure and controlling weight, which is why it’s become a popular wellness topic. Have you tried many methods without seeing results or losing motivation? Now, give yourself another chance!” Through aerobic exercises, it enhances cardiovascular function, boosts metabolism, burns fat and calories, and with core

training on the mat, increases overall muscle endurance. Stretching exercises further help sculpt and beautify the body.

Aerobic Dance: “Health is the foundation of a good quality of life, and beauty (handsomeness) is essential to a positive mood. When you have both, you can embrace a colorful life, always smiling and brimming with confidence!” Dance to upbeat music, training coordination, improving cardiovascular function, strengthening muscle endurance, and sculpting your physique for maximum fitness benefits. Additionally, a new soothing yoga course has been introduced: “Recharge your body to work and study with more energy. In the fast-paced world, high stress can overwhelm the body. When you feel exhausted, let gentle, soothing yoga slow down the rhythm of life and recharge your body!” With correct breathing and yoga stretches, this course helps relax tense muscles, improves posture, strengthens muscles, and calms the body and mind for stress relief. The slower pace allows for greater focus on posture alignment and body awareness, making it a deeper experience for body, mind, and spirit. It is ideal for beginners building a strong yoga foundation and for those who prefer a gentle approach to practice.

There are no gender restrictions for enrolling in these courses; regardless of biological sex or gender identity, all participants are welcome, ensuring the goal of gender equality.

Sustainable impact: aligns with SDG 4.3.2 by offering lifelong learning opportunities focused on personal health and fitness, accessible to the general public without gender restrictions, supporting inclusivity and equal access. Although the courses emphasize health, sustainability is incorporated through eco-friendly practices like encouraging participants to bring reusable items. This fosters a sustainable impact by promoting well-being and environmental consciousness.



Evidence: <https://sites.google.com/email.ntou.edu.tw/ntousenior/>

37. Marine Science and Climate Change Education Seminar

In 2023, the Taiwan Marine Education Center visited schools and gave seminars to educate students in elementary, junior high, and senior high schools about the importance of marine scientific knowledge. The Marine Science and Climate Change Education Seminar covered the five main learning themes stipulated in the Marine Education Issues section of the “Curriculum Guidelines of 12-Year Basic

Education in National Primary and Secondary Schools and General Senior High School—Integrating Issues Course Handbook.” Issues related to climate change were incorporated into the seminar in response to the United Nations declaring 2021–2030 as the decade of Ocean Science for Sustainable Development. The five themes covered in the seminar were “Marine Disaster Prevention and Water Safety,” “Marine Culture and Society,” “Marine Science and Technology,” “Marine Resources and Sustainability,” and “Climate Change and Development.” Experts with relevant academic backgrounds and experience were invited to serve as speakers at the seminar.

Sustainable impact: providing free educational opportunities to students across different school levels. By integrating the five key marine education themes, the seminar promotes lifelong learning and raises awareness of climate change, marine sustainability, and disaster prevention. Through expert-led sessions, it fosters a deeper understanding of ocean science, contributing to the global Decade of Ocean Science for Sustainable Development and supporting high-quality, inclusive education.



Evidence: <https://tmec.ntou.edu.tw/p/404-1016-94915.php?Lang=zh-tw>

38. Guest Lectures

We continue to promote topics related to energy sustainability by organizing over 10 seminars each semester. Industry, government, and academic experts, including managers, team leaders, technical associate managers, and researchers, are invited to speak. Each session averages an attendance of 80 students, allowing students to engage and exchange insights with professionals from both domestic and international industries.

Sustainable impact: These events have a significant sustainability impact, particularly in the field of energy sustainability. By regularly organizing public seminars, they enhance the interaction and exchange of ideas between students and industry experts, fostering cross-sector collaboration and knowledge sharing. This not only deepens students' understanding of energy sustainability but also helps them stay updated on the latest technologies and policy trends, preparing them as future professionals in the field. Additionally, these events raise public awareness about energy issues, thus contributing to the development of sustainable energy practices and having a long-term positive effect on both environmental and economic sustainability.



Evidence: <https://omt.ntou.edu.tw/p/403-1064-1058-1.php?Lang=zh-tw>

39. Professional Training for Seafarers Begins 船員專業訓練開課

The center, entrusted by the Maritime Port Bureau(MOTC) , handles various seafarer training courses. Currently, the training programs are divided into subsidized, self-funded, and in-school certification courses. Statistics show an increasing trend in the number of certification applicants due to the rising demand for seafarers from shipping companies. The number of trainees in subsidized and self-funded programs grew from 2,489 in the year 111 to 2,610 in the year 112. Additionally, influenced by the improving maritime economy, the number of students in in-school certification courses also increased, rising from 1,000 in the year 111 to 1,084 in the year 112.

Sustainable impact: offering both subsidized and self-funded vocational training courses to meet the growing demand for certified seafarers. With increasing enrollment in both subsidized and in-school certification courses, the programs provide lifelong learning opportunities and skill development for individuals entering the maritime industry. The public availability of these training opportunities ensures inclusive access, contributing to sustainable education and workforce development in the maritime sector.

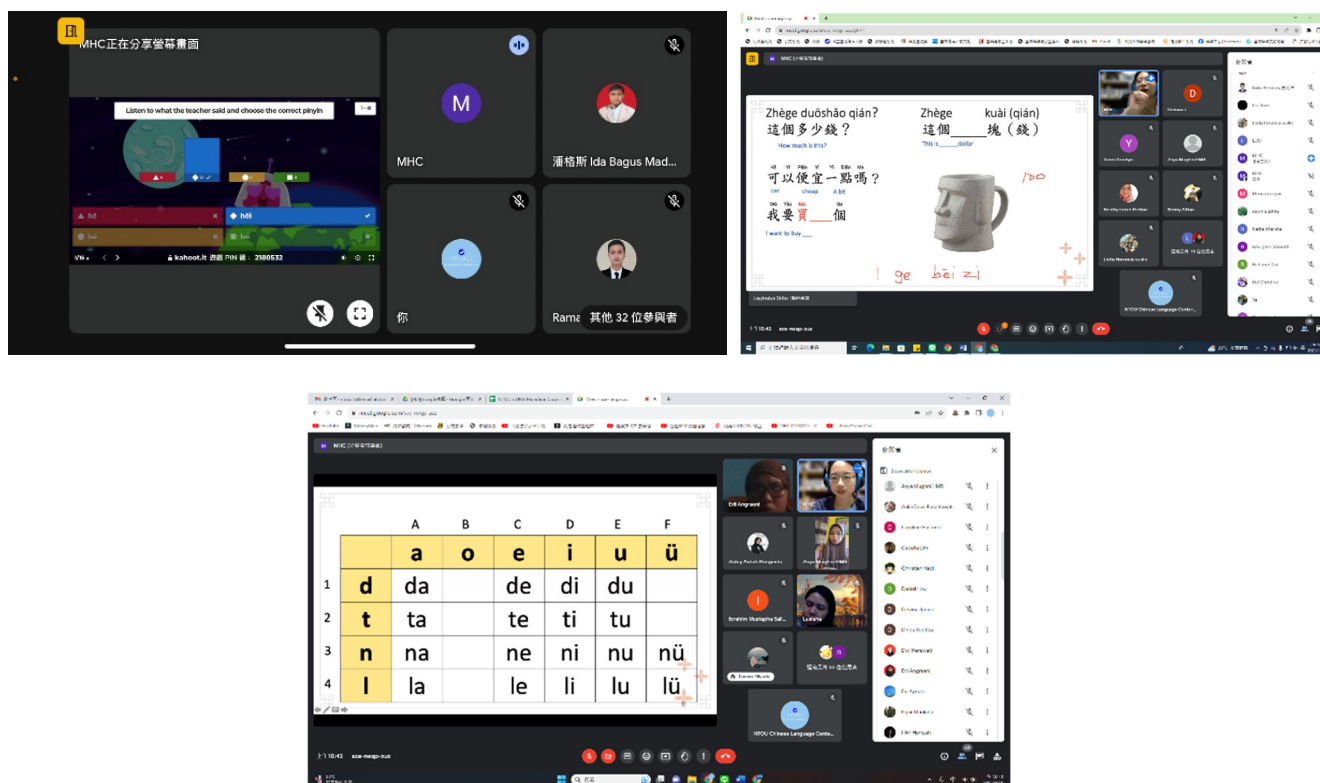


Evidence: <https://md-tc.ntou.edu.tw/p/406-1083-103818,r1653.php?Lang=zh-tw>

40. Cooperation project between National Taiwan Ocean University and Taiwan Education Center in Yogyakarta, Indonesia for Basic Chinese classes

The Mandarin Learning and Education Center collaborated with the Taiwan Education Center in Yogyakarta, Indonesia, to offer an online beginner-level Mandarin course, with a total of 160 students divided into two classes. As the course is designed for beginner learners starting from zero knowledge of Mandarin, it focuses on listening and speaking skills, with supplementary instruction in reading and writing to enhance learning efficiency. Using the Pinyin system alongside an introduction to traditional Chinese character structures, students become familiar with Mandarin pronunciation and sentence patterns. Through practical, everyday lessons, they acquire basic conversational skills in Mandarin, such as greetings, self-introduction, and expressing preferences. By the end of the course, they should be able to engage in simple travel-related conversations. In the final week, a concluding exam was held, with over 80% of students from both classes scoring above 70, demonstrating the course's effectiveness.

Sustainable impact: aligns with SDG 4.3.3 by providing accessible vocational training to 160 students in Indonesia. Focusing on practical listening, speaking, reading, and writing skills, the course supports lifelong learning and language acquisition. The course is publicly available, and the high success rate demonstrates its effectiveness in equipping students with essential Mandarin skills for everyday communication, contributing to inclusive and sustainable language education.



Evidence:

<https://reurl.cc/oyEXqq>

<https://r088.ntou.edu.tw/var/file/103/1103/img/1564/815830213.pdf>

41. Applications and Managements for Healthier Life by Digital Technology

The importance of digital technology has attracted great attention from industry, government and academia in the world. This course plans to gradually guide students to understand the latest

development in research and industrial fields of artificial intelligence (AI), Internet of Things (IoT), blockchain and other related technologies in the field of diversified health from fundamentals to applications. It is expected to inspire students to actively understand the digital technology, and have the ability to communicate with diversified health fields, so as to get prepared to step into the challenges of the next generation of digital industry.

Sustainable impact: aligns with SDG 4.3.3 by offering vocational training that prepares students for the next generation of the digital industry. Covering AI, IoT, and blockchain, it equips students with the knowledge to address real-world applications in diversified health fields. Through an understanding of cutting-edge technologies, students gain valuable skills, fostering lifelong learning and career readiness in the digital sector. This approach supports sustainable development by bridging technological advancements with healthcare needs.



Evidence:

<https://ai-center.ntou.edu.tw/food>

<https://r088.ntou.edu.tw/var/file/103/1103/img/1564/327544782.png>

<https://r088.ntou.edu.tw/var/file/103/1103/img/1564/919772694.pdf>

42. 2023 High School Student Camp

We hope to introduce National Taiwan Ocean University and the Department of Transportation Science to current high school students through this camp, with the aim of helping them understand the Transportation Science program while also showcasing the beauty of Keelung. In addition to creating fond memories, we hope they will consider the Department of Transportation Science at National Taiwan Ocean University as one of their future academic aspirations.

Sustainable impact: encourages lifelong learning by introducing students to the Transportation Science program at National Taiwan Ocean University. This experience fosters early academic engagement and community connection, supporting SDG4.3.3's focus on inclusive educational access.



Evidence:

<https://tsweb.ntou.edu.tw/p/406-1072-104783,r1239.php?Lang=zh-tw>

<https://r088.ntou.edu.tw/var/file/103/1103/img/1564/773814447.docx>

43. **2023 Taiwan Higher Education Expos**

To help public and private high school and vocational school students across Taiwan gain an understanding of our university's unique features and the strengths of its various departments, and to provide them with guidance for their future career development, our university actively participated in and assisted in organizing 43 higher education expos in 2023. The primary goal of these expos is to ensure that all students from diverse backgrounds have access to higher education opportunities, enabling them to make choices that align with their interests and abilities.

During these 43 expos, our university deployed an experienced team of staff members who provided one-on-one or group presentations tailored to different student groups. These staff members not only provided in-depth information about our university's curricula, departmental strengths, and future development prospects, but also offered personalized advice and guidance based on students' interests and aspirations. Through these face-to-face interactions, we were able to respond to students' immediate questions and provide customized career planning suggestions that are of great significance to students facing important educational decisions.

The organization of these events, whether static or dynamic, was not only aimed at showcasing our university's strengths but also at promoting educational equity and resource sharing. We hope that every student, after fully understanding their learning options, can make the best decisions for themselves, which will not only enhance their employability but also transform their future lives. The successful hosting of these expos has undoubtedly deepened students' understanding of higher education, enabling them to make more informed decisions about their futures.

Additionally, our university paid special attention to students from rural and disadvantaged communities during our participation in higher education expos across Taiwan. Through these expos, we are committed to breaking down barriers to unequal educational resources and ensuring that all students have access to equitable educational opportunities. We hope these activities will help students

gain a clearer understanding of themselves, thereby better planning their futures, whether it involves pursuing further education or entering the workforce directly.

Sustainable impact: aligns with SDG 4.3.4 by offering tailored educational outreach to high school and vocational students. These expos provide students from diverse and disadvantaged backgrounds with personalized career guidance, helping them understand their options for higher education and future employment. By promoting educational equity and breaking down resource barriers, the university ensures all students, regardless of their circumstances, have access to informed choices for their academic and professional development.



Evidence:

<https://academic.ntou.edu.tw/p/405-1005-103517,c12431.php?Lang=zh-tw>

44. 2023 NTOU Hi!Young Departmental Lecture Series

To enhance the understanding of the unique features and strengths of our university among public and private high school and vocational school students across Taiwan, and to assist them in exploring their future career paths, our university organized a total of 73 Hi!Young Departmental Lectures in 2023. These lectures not only showcased our educational resources and professional advantages but also helped students gain a clearer understanding of their future academic and career choices.

Our university is committed not only to providing high-quality educational resources but also to actively promoting equity and accessibility in educational opportunities. One of the main objectives of these activities is to ensure that students from diverse socioeconomic backgrounds have access to higher education opportunities. We firmly believe that every student should be able to make the most suitable choices after fully understanding their learning options, thereby enhancing their employability and quality of life.

In these 73 lectures, our university deployed a team of 50 elite faculty members from various departments. These educators not only possess a strong academic background and extensive teaching experience but are also passionate about sharing their knowledge. They traveled to high schools and vocational schools across Taiwan, especially those interested in participating in this program, to conduct in-depth outreach and interactions. These lectures provided students with detailed introductions

to various departments, including why to choose related majors, how to conduct academic research, practical advice on career development, and how to enhance personal competitiveness in a globalized context.

Moreover, this program emphasizes the crucial role of higher education in promoting social equity. Through these lectures, we are committed to addressing the unequal distribution of educational resources, with a particular focus on students from rural or disadvantaged communities. We hope that these students can gain a deeper understanding of their future academic and career paths, thereby better planning their futures.

This program not only allows us to be a part of societal progress by ensuring that every young person has access to equitable educational opportunities but also reinforces our ongoing commitment to this goal. We aim to create more learning and development opportunities for students across Taiwan, nurturing more outstanding talents for society.

Sustainable impact: aligns with SDG 4.3.4 by providing educational outreach beyond campus to high schools and vocational schools across Taiwan. These 73 lectures, conducted by 50 elite faculty members, ensure equitable access to higher education guidance, especially for students from rural or disadvantaged communities. By promoting social equity and offering insights into academic and career pathways, the program helps students make informed decisions about their future, enhancing employability and lifelong learning opportunities.



Evidence: <https://academic.ntou.edu.tw/p/405-1005-103516,c12431.php?Lang=zh-tw>

45. 2023 Shipping and Transportation Management Camp in NTOU

This camp is open to the students of senior high school and vocational high school from Taiwan, the two-day camp hosted by Department of Shipping and Transportation Management of National Taiwan Ocean University offers the participants the chance to understand the department in advance, and to acknowledge the connotation of shipping and transportation management and ocean curriculum. This camp was from 2023/07/17 to 2023/07/18, there were 28 participants while 40 staff members hosted the camp.

Sustainable impact: offering educational outreach to senior and vocational high school students in Taiwan, promoting understanding of shipping, transportation management, and ocean studies. Hosted by National Taiwan Ocean University, the two-day camp allows participants to explore career paths in

transportation through hands-on experiences, enhancing their educational opportunities and career planning. This program fosters lifelong learning and equitable access to knowledge about specialized fields, contributing to students' academic and career development.



Evidence:

<https://www.facebook.com/profile.php?id=100091914943690>

<https://r088.ntou.edu.tw/var/file/103/1103/img/1564/417905344.jpg>

<https://r088.ntou.edu.tw/var/file/103/1103/img/1564/710966143.pdf>

46. New Book Launch for A Taiwanese Style Intercultural Guidebook : Cultural Shocks of International Students in Taiwan & Mandarin Course for International Students at the 2023 Taipei International Book Exhibition 《外籍生留臺生存手冊》、《留學生華語》新書發表座談會

On February 3, 2023, National Taiwan Ocean University held a new book launch for A Taiwanese Style Intercultural Guidebook : Cultural Shocks of International Students in Taiwan and Mandarin Course for International Students at the Taipei International Book Exhibition. This event resonated with the theme of the National University Press Joint Exhibition, "Academia Beyond Reading." Through international students sharing their cross-cultural experiences in Taiwan, the event aimed to provide a fresh perspective on local food, clothing, housing, transportation, education, entertainment, and lifestyle. By fostering mutual exchange, understanding, and support, the event showcased the blending and co-prosperity of cultures. The 2023 Taipei International Book Exhibition attracted a total of 505,000 visitors, with 470 publishers from 33 countries participating.

Sustainable impact: aligns with SDG 4.3.4 by promoting cultural exchange and understanding through educational outreach. By sharing international students' cross-cultural experiences in Taiwan, the event provided insight into local lifestyle aspects such as food, education, and transportation. This initiative fosters lifelong learning, intercultural communication, and supports global education goals by offering a platform for dialogue and mutual understanding.



Evidence: <https://mprp.ntou.edu.tw/p/404-1017-83031.php?Lang=zh-tw>

47. **Book Launch for Mullet and Its Aquaculture at the 2023 Taipei International Book Exhibition**

On February 3, 2023, National Taiwan Ocean University held a book launch on Mullet and Its Aquaculture at the Taipei International Book Exhibition. The authors personally attended the event to share various knowledge and experiences related to mullet farming. Mullet and Its Aquaculture is a specialized book jointly published with the Taiwan Fisheries Society, the World Aquaculture Society, and the Asian Fisheries Society. It was compiled by NTU Distinguished Lifetime Professor and Academician Yi-Chiu Liao, along with Eduardo M. Leaño, a senior researcher at the Network of Aquaculture Centres in Asia Pacific. This book brings together the latest research, results, and processing techniques from 29 leading aquaculture experts and scholars worldwide, offering readers a glimpse into the production of the gourmet delicacy mullet roe. Alice Joan G. Ferrer, President of the Asian Fisheries Society, praised the book as a "must-read" in the fields of aquaculture and fisheries. The Taipei International Book Exhibition attracted a total of 505,000 visitors, with 470 publishers from 33 countries participating.

Sustainable impact: supports SDG 4.3.4 by providing educational outreach to the general public on aquaculture. This event featured authors and experts sharing insights on mullet farming, offering participants a deeper understanding of sustainable fisheries and aquaculture practices. By promoting knowledge exchange from leading global aquaculture scholars, the event encourages lifelong learning and supports the dissemination of specialized research, contributing to sustainable development in the fisheries industry.



Evidence: <https://reurl.cc/kyKgOx>

48. **Book Launch for Advanced Charter Party at the 2023 Taipei International Book Exhibition**

On February 3, 2023, National Taiwan Ocean University held a new book launch for A Comprehensive Study on Advanced Charter Party at the Taipei International Book Exhibition. The author personally introduced readers to the concept of Charterparty Contracts (C/P) and their significance. Whether in the bulk or container shipping market, contracts are essential to ensure the smooth transportation of goods. However, the legislative content varies across countries, so understanding these differences is crucial for handling maritime affairs effectively. A Comprehensive Study on Advanced Charter Party integrates maritime law theory and systematically analyzes both domestic and international well-known cases, providing an in-depth discussion. This book serves as a comprehensive guide to Charterparty Contracts, combining legal theory with practical examples from around the world, making it a valuable resource for professionals in international trade, maritime transport, marine education, insurance, banking, and maritime practices. The Taipei International Book Exhibition attracted a total of 505,000 visitors, with 470 publishers from 33 countries participating.

Sustainable impact: aligns with SDG 4.3.4 by offering educational outreach on maritime law and charter contracts to the public. The event provided attendees with essential knowledge on the complexities of Charterparty Contracts and their global legal variations. By integrating theory and real-world cases, the book promotes lifelong learning for professionals in international trade and maritime industries, supporting equitable access to specialized education and skills development.



Evidence: <https://reurl.cc/lyKAz9>

49. **Fish Culture Education Activities - Assisting with STEAM Curriculum for the Entire Semester**

In recent decades, coastal fish catches have declined due to marine environmental pollution from land-based activities, increasing global demand for seafood, and the pressure on fish stocks caused by advanced fishing techniques outpacing sustainable management practices. Small-scale household fishermen have struggled to compete with large fishing vessels, leading to the gradual decline of coastal community fisheries, a lack of employment opportunities, and the erosion of traditional fishing village culture due to external cultural influences.

Khan-koo (牽罟), a traditional Taiwanese fishing method with over 200 years of history in Yilan, is practiced from Qingming Festival to Mid-Autumn Festival each year. This method, introduced to Yilan's coast from Zhangzhou, China, in the 18th century, was historically the primary fishing method from Toucheng Harbor in the north to Wuwei Harbor in Su'ao in the south. The 1950s marked the peak of khan-koo, with nearly a hundred teams in Toucheng alone. However, advances in fishing methods and equipment, a decline in coastal fish stocks, an aging fishing village population, and the outmigration of young people led to the decline of khan-koo from the 1960s onwards. Today, only a few remain in Taiwan, turning khan-koo into a cherished memory for fishermen, and the preservation of this traditional fishing technique has become urgent.

The changing environment, industrial structure, and lifestyle have impacted the social fabric of fishing communities, leading to the gradual disappearance of local culture. Fishing villages must actively explore ways to transform, preserving the precious cultural heritage of khan-koo while adapting to changes brought by advances in fishing technology and discovering new economic models.

By conducting an inventory of the natural ecology and cultural history of Yilan's coastal communities, environmental education courses were designed to integrate local tourism resources and promote environmental education. Additionally, support was provided to fishing communities to design self-operating surveys on the composition of khan-koo catches along Taiwan's coast. As this project continues to collaborate with community environmental education facilities, the community voluntarily expanded efforts to establish a sustainable management model for khan-koo on Yilan's coastal beaches, working closely with other local communities. The community is actively promoting environmental education courses, creating sustainable tourism highlights, cultivating local sustainable talents, and

realizing the concept of sustainable fisheries culture, transforming the community into a model for sustainable fishing village management.

Specific Achievements:

Designed four environmental education courses: “Choices in Fisheries Resources,” “The Great Ocean Waste Adventure,” “Khan-Koo Culture Laboratory,” and “The Shell Architect in Coastal Forests,” to popularize khan-koo culture and other Yilan coastal ecosystems, offering the public a new way to understand local development and regional characteristics.

Assisted the Port Community Development Association in receiving Yilan County Environmental Education Project subsidies and the Ocean Conservation Administration's Citizen Science Survey Project, not only preserving khan-koo culture but also documenting coastal species in Yilan, with records of over 13 families, 20 genera, and 25 species of fish.

Trained five community members as environmental education instructors.

Introduced one local youth into community management, creating local employment opportunities.

Increased income from community activities and courses.

Sustainable impact: align with SDG 4.3.4 by promoting educational outreach that preserves the traditional Taiwanese fishing method khan-koo and raises environmental awareness. Through STEAM curriculum integration, the program revitalizes cultural heritage while addressing sustainable fisheries management. The initiative fosters local employment, trains environmental educators, and creates tourism opportunities, empowering the fishing community to adapt to modern challenges. This outreach contributes to lifelong learning and sustainable economic development in Yilan's coastal communities.



Evidence:

https://www.oca.gov.tw/ch/home.jsp?id=371&parentpath=0,296,370&mcustomize=ocamaritime_view.jsp&dataserno=202401310001

50. 2023 The 32nd International Symposium on English Language Teaching & Learning

The English Teachers' Association-Republic of China (ETA-ROC) has been dedicated to advancing English language teaching and learning since its establishment in 1992. Its mission includes enhancing English teaching standards in Taiwan, promoting international teaching exchanges, and implementing effective teaching methodologies in higher education institutions. ETA-ROC has been organizing an

international symposium since 1971, attracting renowned linguists and ESL/EFL scholars from around the world, making it a significant platform for exchanging ideas in English language teaching.

The 32nd International Symposium on English Language Teaching & Learning, held at the Chien Tan Overseas Youth Activity Center Taipei, focused on “Innovation, Diversity, and Sustainability in English Language Teaching.” This symposium was organized by the College of Humanities and Social Sciences and Social Sciences & Institute of Applied English at National Taiwan Ocean University, along with the ETA-ROC. Co-organizers included the Department of Applied English at Ming Chuan University, the Department of International Business and Foreign Languages at Minghsin University of Science and Technology, and the Department of Foreign Languages and Literature and Language Education Center at National Ilan University. The event featured ten experts from countries such as Japan, the USA, Singapore, the Philippines, and New Zealand, who delivered keynote speeches on topics related to English language teaching innovation and sustainability.

In terms of specific outcomes, four teachers and seven graduate students from the Graduate Institute of Applied English at National Taiwan Ocean University actively participated in paper presentations. The symposium attracted a large number of education professionals, promoting diverse developments and innovative applications in English teaching. Furthermore, the event facilitated international academic exchanges and collaborations, expanded societal participation, and enhanced awareness and advocacy of sustainability issues in education. These outcomes not only strengthened interactions within the professional community but also provided new perspectives and methodologies for future English teaching and learning.

Sustainable impact: aligns with SDG 4.3.4 by offering educational outreach through global collaboration and innovation in English teaching. Organized by the English Teachers' Association-Republic of China (ETA-ROC) and National Taiwan Ocean University, the event brought together educators, scholars, and linguists from various countries to share advancements in sustainable English language education. By fostering international exchange, promoting new teaching methodologies, and expanding professional networks, the symposium contributes to lifelong learning and the enhancement of educational practices worldwide.



Evidence:

<https://eta.org.tw>

51. **2023 From Extracurricular Activities to Community Revitalization: Student Club-Driven Educational Outreach**

College and University Clubs Leading Primary and Secondary School Club Development Program
Students of our university visited elementary and middle schools in Keelung City and New Taipei City to execute “College and University Clubs Leading Primary and Secondary School Club Development Program” voluntarily in weekends and spare time. The clubs regularly taught specialized skills to the student of primary and secondary school in neighboring communities and countries.

These courses including Chinese orchestra, orchestral music, guitar, piano, anime and manga, astronomy, archery, soccer, fencing, marine ecology, debate, natural environmental ecology and so on. There were 98 university students (51 males and 47 females) and 14 local schools participated in this program. We provide learning opportunities to 323 students (181 males and 142 females) through at least eight service sessions annually.

During the implementation of this program, our students effectively utilized their professional knowledge and club specialties to promote interests and social skills among elementary and middle school students. These activities bring many benefits. Not only igniting the enthusiasm and interest of the students in various skills, but also laying a good foundation for their future growth. More importantly, they also provide experiences to college students, fulfill the university's commitment to social responsibility, and make a meaningful educational impact in the community.

Social service activities

During their winter and summer vacations, students organized four marine knowledge volunteer teams to carry out a series of educational promotion program in Yilan City, Lienchiang County and other areas. Service courses including life education, gender equality, marine education, environmental protection, and science education. These social service activities not only improve the knowledge level and environmental awareness of local residents, but also cultivate a deep concern for human beings and the ecological environment.

This year (2023), a total of 63 student volunteers participated in these activities, accumulating 100 hours of service, bringing the total number of service hours to 1,524 hours, affecting more than 150 local residents.

After these activities, the volunteers continued to keep in touch with the children, helping them share science experiments with their peers. This promotes the sustainable development of the community and fulfills the important goal of social responsibility of the University.

Marine Education and World Oceans Day Series Activities

Since 2022, our school signed a memorandum of understanding(MOU) and hold “Marine Education and World Oceans Day Series Activities” with the Ocean Affairs Council. This cooperation lets more citizens to participate, and also enables us to further fulfill our social responsibilities and contribute to the sustainable development of marine ecology.

In 2023, we held four series of activities. These included twice “Marine Leisure Activities and Marine Education Experience Camp,” attracting about 140 participants ; Twice “Beach Cleanup activities”, with around 220 participants in total ; Once “Marine Leisure Activity Professional Talent Training

program”, saw about 280 students participate in the related training, and ten times “Marine Education Experience Classes”, covering courses such as “Fishermen's Gifts-Marine Garbage Recycling” and “Wonderful Life Cycles-Brine Shrimp”, with about 270 people participating. With many parents bringing their children to participate, we make it easier for students to learn water skills, and made these event a complete success.

Sustainable impact: aligns with SDG 4.3.4 by engaging university clubs in educational outreach to elementary and middle schools. Students voluntarily shared skills such as music, marine ecology, and sports, fostering social development and learning for over 300 participants. Additionally, social service teams conducted marine and environmental education in communities, enhancing local knowledge and awareness. These activities promote lifelong learning, community engagement, and sustainability, while also fulfilling the university's social responsibility.



和平島聯合淨灘活動



海洋休閒活動暨海洋教育體驗營



Evidence:

<https://stu.ntou.edu.tw/p/405-1023-103979,c10827.php?Lang=zh-tw>
<https://r088.ntou.edu.tw/var/file/103/1103/img/1564/781429344.pdf>

52. In 2023, the academic community promoted the value-added innovation project of local industrial technology - combining big data analysis and automatic monitoring to establish a visual data management platform

Today's technology is developing rapidly. In addition to drones and unmanned vehicles, artificial intelligence has also made great progress in unmanned ships. The new coronavirus (COVID-19), which began to spread around the world in 2019, has greatly affected the shipping industry like many other industries. However, it has also stimulated the adoption of autonomous technology on ships and driven the industry and governments' interest in smart ship applications. Ferries traditionally used to carry passengers or cargo ships may be replaced by artificial intelligence or remote-controlled unmanned

ships in the future. Maritime transportation is the most important commercial transportation method today and is the key to the healthy development of international trade. There is a need for global consistency in maritime transport laws, so how to achieve this goal has been the focus of discussion for hundreds of years.

The global response to the impact of climate warming has forced the world to actively develop alternative energy sources. Renewable energy and green energy industries have become policies vigorously promoted by the government. Our country is surrounded by sea, and the construction of offshore wind power areas has great development potential for our country. The construction of offshore wind power in the green energy development layout is also one of the main goals of the Chinese government's renewable energy development. In order to successfully complete the promotion of offshore wind power, the number of domestic ships that have completed class registration for offshore wind power work ships currently exceeds 100. Therefore, the industry demand for ship maintenance for offshore wind power work is booming.

In today's marine and offshore economics and competitive landscape, maintaining profitability and importance means big changes. In line with strategic goals, leading shipyards are fundamentally rethinking their entire organizations and business processes across their value chain, while leveraging the right digital technologies to enable digital transformation. This year's plan will focus on combining information technology and operating technology to carry out smart transformation of the ship maintenance industry to enhance its competitiveness. It will use information systems to connect the manufacturing supply chain, assist the small and medium-sized enterprises it mentors to introduce “industrial digitalization”, and complete “Combining big data analysis with automatic monitoring to establish a visual data management platform” provides information streaming, ship monitoring, increases ship maintenance efficiency issues, improves service quality and production capacity, and establishes intelligent data analysis application models. The team uses tools such as smart big data and visual performance display to provide information on the operating status of main ship equipment and support each shipping and ship repair yard in implementing systematic efficiency measures, such as “preventive maintenance” of major equipment, simplifying Logistics and planning operations, rapid collection and analysis of data, near-instant monitoring and feedback of ship key performance indicators, etc., significantly save time, manage ships and surrounding environments in the most efficient way, and provide management with accurate data reference, product Make the final correct decision so that the fleet can improve operational efficiency on the basis of ensuring safety.

The “Building a Visual Data Management Platform Combined with Big Data Analysis and Automatic Monitoring” developed under this project has the following features :

- (1) Digitization: Use digital technologies, such as the Internet of Things, data monitoring and historical records, fault detection, etc., to improve the efficiency and accuracy of ship maintenance.
- (2) Intelligence: Use smart systems and automated equipment to improve the process and efficiency of the ship maintenance process.
- (3) Networking: Establish a networked platform for ship maintenance to support resource sharing and data exchange.
- (4) Standardization: Develop standards for ship maintenance to ensure maintenance quality and applicability.
- (5) Environmental protection: Pay attention to the impact of ship maintenance on the environment,

and introduce ship main engine emission reduction technology to protect the environment. Therefore, this plan combines the traditional ship maintenance and repair industry in Keelung and New Taipei City, combined with the information and communication Internet of Things industry, integrates offshore wind turbine work ship industry cluster links, assists ship maintenance manufacturers to develop intelligent monitoring technology combined with the Internet of Things, and provides industry Integration of information systems creates a rapid warranty operation model.

Sustainable impact: aligns with SDG 4.3.4 by fostering innovation and educational outreach in maritime technology. By combining big data analysis, IoT, and automation, the project promotes the digitization and intelligent transformation of ship maintenance industries in Keelung and New Taipei City. This initiative provides educational opportunities for local SMEs and workers, enhancing their skills in smart technologies and sustainable practices, contributing to lifelong learning and industrial competitiveness in the maritime and renewable energy sectors.



Evidence:

<https://mitpsa.ntou.edu.tw/p/406-1020-103496,r11.php?Lang=zh-tw>

<https://r088.ntou.edu.tw/var/file/103/1103/img/1564/526913451.pdf>

<https://r088.ntou.edu.tw/var/file/103/1103/img/1564/223080390.pdf>

53. 2023 Off-Campus Teaching for the Bachelor's Degree Program in Marine Biotechnology

To enhance students' practical knowledge, integrate theory with technical skills, and help them understand the current trends and future potential of relevant industries in Taiwan, the Bachelor's Degree Program in Marine Biotechnology organized a 5-day industrial field study in 2023. The purpose of this activity was to strengthen professional workplace skills, increase employability, and expand

career opportunities. The field study covered industries related to marine biotechnology, including medical technology, food technology, and aquaculture technology. Students visited various businesses such as distilleries, aquatic animal farms, and biotechnology companies, which will benefit their future employment prospects.

Sustainable impact: aligns with SDG 4.3.4 by providing hands-on educational outreach beyond campus. Through a 5-day industrial field study, students gained practical insights into industries such as medical technology, food technology, and aquaculture. This program helps students integrate theory with real-world skills, enhancing employability and preparing them for future careers in Taiwan's marine biotechnology sector. It fosters lifelong learning and supports professional development in relevant marine industries.



Evidence: <https://bmb.ntou.edu.tw/p/412-1078-9481.php?Lang=zh-tw>

54. Coral Primary School

New Taipei City Marine Coral Education Promotion Project' for 2024, subsidized by the Ocean Affairs Council, the New Taipei City Government will offer eight free 'Coral Primary school' sessions every Saturday and Sunday, with each session accommodating 60 participants. Parents can join their children online to learn about coral-related knowledge. The course content includes: 1. An introduction to coral, featuring the types, characteristics, and current ecological challenges faced by corals in the Northeast Coast; 2. Participants will hand-paint their own coral bases and plant corals on them themselves, contributing to coral restoration efforts.

The aim of this educational initiative is to engage more people in understanding the importance of coral and marine life conservation. A coral farm has been established in the Marine Resources Restoration park for coral cultivation. It provides professional coral farming techniques and related conservation advice to the technical staff of the New Taipei City Fisheries and Fishing Ports Management Office, with the goal of preserving the coral in the Northeast Coast waters. Currently, 5,000 coral specimens are being cultivated within the park.

Sustainable impact: aligns with SDG 4.3.4 by offering free, hands-on educational outreach to the public about coral conservation. Through online sessions, parents and children learn about coral types, their ecological challenges, and participate in coral restoration by planting corals themselves. This program promotes environmental awareness, encourages family involvement, and supports sustainable coral restoration efforts, fostering lifelong learning and active participation in marine conservation.



Evidence: <https://www.beclass.com/rid=284d88d6652055693c26>

55. **Homemade eco-friendly enzyme cleaner and reduction of community nitrogen and phosphorus emissions**

In early June 2023, the project team began actively preparing for two eco-friendly detergent and compost training courses held in Xinjili and Shanglinli, Shuangxi. A total of 30 community members and 2 students participated in the initiative, which promoted the use of kitchen waste (fresh fruit and vegetable peels) to create homemade eco-friendly enzyme detergents and compost, reducing food waste in the community. Together, they produced 100 liters of the products. These eco-friendly products were used for environmentally friendly farming, covering an area of approximately 3,000 square meters in 2023, with expansion planned for 2024.

Additionally, the team conducted two water quality monitoring activities at the site, as detailed in the attached file. Using both physical and chemical testing methods, the goal was to determine whether eco-friendly enzymes could reduce nitrogen and phosphorus emissions from the community, enhance the conservation of local water sources, and help maintain clean water in the Shuangxi River basin. The team also visited a nearby high school to conduct a “Sustainable Environment and Water Source Conservation in Shuangxi” course, promoting awareness of sustainable water conservation and the basics of river and water quality monitoring, with 65 participants in total.

Sustainable impact: aligns with SDG 4.3.4 by providing educational outreach on sustainable environmental practices. Through hands-on training, community members learned to create eco-friendly enzyme detergents from kitchen waste, promoting waste reduction and environmentally friendly farming. Additionally, water quality monitoring and educational courses raised awareness of water conservation, involving both students and the community. This initiative fosters lifelong learning and active participation in environmental sustainability, enhancing local ecological health and resource management.



Evidence:

<https://arcg.is/eKnqH>

<https://www.youtube.com/watch?v=R8M7sWjEFE0>

<https://r088.ntou.edu.tw/var/file/103/1103/img/1564/572862920.pdf>

<https://r088.ntou.edu.tw/var/file/103/1103/img/1564/902659086.jpg>

<https://r088.ntou.edu.tw/var/file/103/1103/img/1564/670461206.jpg>

56. Youth Rural Biodiversity Survey Project 青年入鄉生態多樣性調查計畫

In March 2023, the project team began leading five students on eco-tours to Gongliao District, New Taipei City, selecting the Miaoyan Mountain area as the site for an ecological survey. In April, molecular ecology investigation training was conducted, forming an 8-member ecological survey team. Starting in August, the team collected samples from the field and brought them back to the lab for analysis. The survey identified 1,503 species of aquatic arthropods, 695 species of aquatic algae, and 369 species of aquatic chordates. This activity not only cultivated university students' molecular biology skills and sense of social responsibility, but also provided a health status report of the ecosystem based on the analysis. The report offered recommendations for protecting and improving the local ecological environment while also improving traditional manual data collection methods by establishing rapid, non-invasive scientific sampling techniques.

Additionally, the project participated in the 2023 USR (University Social Responsibility) Northern Region Intercollegiate Showcase and the National Taiwan Ocean University's anniversary exhibition, where the team demonstrated their mobile lab technology used in the Miaoyan Mountain ecological survey. These events allowed more people to learn about the rapid scientific testing methods utilized by the Lihai Science initiative.

Sustainable impact: aligns with SDG 4.3.4 by engaging university students in ecological fieldwork and molecular biology training. The project enhances practical skills and fosters social responsibility through biodiversity surveys in Gongliao District, New Taipei City. Students utilized innovative, non-invasive scientific sampling techniques to assess the health of local ecosystems, identifying over 2,500 species. The project also promoted knowledge-sharing through showcases and exhibitions, encouraging community engagement and raising awareness about biodiversity and environmental conservation.



Evidence:

<https://www.youtube.com/watch?v=R8M7sWjEFE0>

<https://www.cna.com.tw/postwrite/chi/359668>

<https://r088.ntou.edu.tw/var/file/103/1103/img/1564/369620849.pdf>

57. The MaoAo Satoumi Citizen Science Experience Activity

At the end of August 2023, this project hosted an event as part of the Lihai Citizen Science Experience Course, which brought together teachers from six elementary schools—Taoyuan, Jianguo, Xinzhuang, Xinghua, Yixue, and Luzhou—with a total of 22 participants. The course guided participants in exploring the environmental education and development of Lihai actions in the Ma'ao community,

allowing them to engage in hands-on underwater community surveys and water quality testing. The goal of the course was to plant the seeds of marine citizen science education, fostering awareness of citizen science among young students and cultivating more young citizen scientists to carry forward the spirit of Lihai.

In late September 2023, the project further collaborated with Taoyuan Elementary School, leading 64 students to participate in the Ma'ao Lihai Young Citizen Scientist Course. The students took part in a DIY seaweed jelly activity, explored local species in the Magang intertidal zone, and experienced traditional “ama” (women divers) collection practices. Through the marine environmental education in Ma'ao, the course aimed to deepen students' understanding of the community's Lihai lifestyle and to promote knowledge of traditional fishing village culture and marine sustainability.

Sustainable impact: aligns with SDG 4.3.4 by promoting hands-on marine education and citizen science among elementary school teachers and students. Participants engaged in activities such as underwater community surveys, water quality testing, and traditional fishing practices, fostering environmental awareness and cultural appreciation. The initiative aims to cultivate young citizen scientists and enhance understanding of sustainable marine practices, blending ecological knowledge with community involvement to inspire future generations in marine conservation.



Evidence:

<https://www.facebook.com/share/p/zPAdGFhEoSPZNSSw/>

<https://r088.ntou.edu.tw/var/file/103/1103/img/1564/377807561.pdf>

58. Marine Education and Outdoor Activities in Badouzi

The National Taiwan Ocean University's USR Team has been deeply involved in the Badouzi Fishing Village for a long time. For years, Prof. Wang from the Bachelor Degree Program in Ocean Tourism Management works with Badouzi Fishing Industrial Tourism Promotion Association in conducting numerous local marine education and outdoor activities. This marine ecological education event is integrated with the Ren Ai Elementary School's curriculum (an interdisciplinary theme course), Sea & City Smart Marine Snack Bar. The activities include visiting the Fisheries Hall in the Marine Technology Museum, learning about the Badouzi Fishing Village, and making dried cuttlefish. The main goal is to encourage students to understand how local people live in harmony with the sea, thereby enhancing students' knowledge of their hometown and the fishing industry.

Baduozi Fishing Village has a rich historical background and a well-developed fishing industry, making it a perfect site for promoting fishing village cultural experiences. This event provides an opportunity for students to learn about the history of fishing industry, life and culture of fishing villages. Additionally, the students from the Bachelor Degree Program in Ocean Tourism Management serve as volunteers to assist the tour, enabling them to apply their knowledge into real practices and fulfill their university's social responsibility by promoting the vision of "Close to the Sea, Love the Sea, Know the Sea" and participating in marine conservation advocacies and activities.

Sustainable impact: aligns with SDG 4.3.4 by providing community-centered educational outreach through hands-on activities in a fishing village. Integrated with Ren Ai Elementary School's curriculum, the event deepens students' understanding of marine ecology and fishing culture, fostering knowledge of sustainable practices. University students also contribute by volunteering, applying their academic learning in real-world contexts. This initiative promotes environmental stewardship and community engagement, supporting lifelong learning and marine conservation efforts.



Evidence: <https://reurl.cc/yv90yO>

59. EDITION TAIWAN INT'L OCEAN & FISHERIES INDUSTRY SHOW

The exhibition is centered on the theme of "Balancing Profit and Sustainability" and highlights "Smart Technology" as its unique feature. It is the only global trade platform in Asia that connects diverse agricultural sectors, including farming, fishing, livestock, and cold chain industries. It provides both domestic and international exhibitors with opportunities to find partners and gain international exposure, making it the best channel for entering the Taiwan market and marketing to the Asia-Pacific.

Sustainable impact: aligns with SDG 4.3.4 by providing an educational outreach platform that promotes sustainable practices within the fishing, farming, and cold chain industries. Centered around the theme of "Balancing Profit and Sustainability," the event highlights smart technology and facilitates international partnerships. By offering a space for knowledge exchange and showcasing innovative solutions, the exhibition fosters lifelong learning, supports sustainability in marine industries, and encourages global collaboration.



Evidence: <https://www.taiwanagriweek.com/about/Post-Show-Report/>

60. 2023 Energy Taiwan-Net-Zero Taiwan

The Energy Taiwan International Smart Energy Week and Net-Zero Taiwan International Sustainable Exhibition this year feature a total of 280 companies, showcasing a diverse range of advanced energy solutions through 1,250 booths. The exhibits cover solar power, wind energy, and various emerging energy sources such as hydrogen and marine energy. Additionally, the exhibition includes energy storage applications, carbon reduction technologies, energy efficiency solutions, green manufacturing processes, green finance, and green electricity trading. The event aims to create a comprehensive platform for matching and exchanging ideas on energy supply, low-carbon manufacturing, and environmental sustainability.

Sustainable impact: aligns with SDG 4.3.4 by providing a comprehensive platform for education and knowledge exchange on renewable energy and sustainability. Featuring 280 companies, it showcases advanced energy solutions such as solar, wind, hydrogen, and marine energy. The event promotes smart energy technologies, carbon reduction, and green finance, fostering global collaboration and innovation in environmental sustainability. This outreach initiative supports lifelong learning in the energy sector and encourages the adoption of sustainable practices for a net-zero future.



Evidence: <https://r088.ntou.edu.tw/var/file/103/1103/img/1564/T-37006700.pdf>

61. Ocean little fighter public welfare basketball activity

To encourage children and adolescents to engage in safe and positive recreational activities during their holidays, the National Taiwan Ocean University basketball team is hosting a series of well-designed programs on weekends, inviting elementary school students from the Keelung area to participate. The goal is for the participating students to improve their basketball skills, learn the spirit of teamwork, and develop an interest in basketball and good exercise habits, ultimately promoting lifelong fitness and health. Additionally, it is hoped that through this activity, the university basketball team members will be able to give back to society by applying what they have learned, achieving both educational and philanthropic objectives.

Sustainable impact: aligns with SDG 4.3.4 by offering educational outreach through recreational sports for children and adolescents in Keelung. Hosted by the National Taiwan Ocean University basketball team, this weekend program fosters basketball skills, teamwork, and healthy exercise habits among young participants. Additionally, it provides university athletes the opportunity to give back to the community by applying their skills, promoting both physical health and social responsibility. This initiative supports lifelong fitness and positive youth development.



Evidence:

<https://www.facebook.com/profile.php?id=100054289759537&mibextid=LQQJ4d>
<https://r088.ntou.edu.tw/var/file/103/1103/img/1564/472689830.pdf>

62. Recreational Activities for Staffs and their family

To maintain the physical and mental well-being of our staff, foster team spirit, and boost morale, our school has consistently promoted the importance of positive leisure activities for faculty and staff. We continue to organize recreational activities for all faculty and staff, offering opportunities for social interaction and relaxation. The 2023 Faculty and Staff Recreational Event was successfully held on September 16, 2023. The event incorporated the concept of green tourism, taking participants to visit the "Houtong Miner History Museum," the "Shuangxi Pinglin Leisure Farm," and "Pingxi Old Street." These visits allowed the staff to gain a deeper understanding of the natural and cultural environment surrounding Keelung, while also providing an opportunity for physical and mental relaxation and enhancing workplace identity through the hands-on experience of exploring different locations.

Sustainable impact: aligns with SDG 4.3.4 by promoting educational outreach through leisure activities that enhance staff well-being and environmental awareness. The 2023 event emphasized green tourism, allowing participants to explore local cultural and natural environments like the Houtong Miner History Museum and Pingxi Old Street. These activities foster social interaction, relaxation, and team spirit, contributing to lifelong learning about the region's history and ecology while promoting workplace morale and unity.



Evidence: <https://personnel.ntou.edu.tw/var/file/7/1007/img/1314/298802640.pdf>

63. Assist elementary and middle schools, as well as communities in the Keelung area, in promoting legal education

Legal-themed lectures, legal education, and discussions on related legal issues were mainly held in schools in the Keelung area. Through dialogues between speakers and civics teachers and military instructors from various schools, the speakers gained a better understanding of the legal knowledge taught in high schools, thereby enhancing students' basic legal knowledge and concepts. A total of 11 legal education events were successfully completed this year.

Purpose of the event: Mainly to hold legal lectures, legal education and discussions on related legal issues in schools in the Keelung area.

Activity process: Through discussions between speakers and civics teachers and instructors from each school, the speakers can understand the legal knowledge taught in high schools and improve students' basic legal knowledge and concepts.

Activity benefits: A total of 11 legal education activities were completed this year.

Sustainable impact: aligns with SDG 4.3.4 by providing educational outreach on legal knowledge to elementary and middle school students. Through 11 legal-themed events in 2023, the program involved speakers collaborating with civics teachers to enhance students' understanding of basic legal concepts. These efforts aim to build a solid foundation in legal education, empowering students with critical knowledge of the legal system and fostering informed citizenship.



Evidence: <https://r088.ntou.edu.tw/var/file/103/1103/img/1564/296975741.pdf>

64. **Pre-employment preparation to become the target/social newcomer that the company wants to cultivate**

2023/9/19 Invited the General manager Hong Zhen Yang of Union Hing International (Stock) to talk about loading and unloading and sharing encouragement with the students to be the company's target. The headquarters of Union Hing International Logistics is located in the east coast of Keelung. Service projects include container terminal operation, container terminal operation, shipping agency service and container land transport. Kaohsiung "sixth container center" before and after the line of operations are also contracted by its services. Mr. Hong Zhen Yang is a member of the Shipping Management Group of HAidU Aviation Management Master Class in 1999 and a distinguished alumnus of HAidU in 111. He is currently serving as the general manager of Union Hing International Logistics Co., LTD and Pershing International Logistics Co., LTD. Mr. Hong took himself as an example to encourage each other with the students, hoping that no matter which industry the students join in the future, they can self-demand to become 10,000 hours of business professionals. The value of the job is visceral learning and more than 10,000 hours (four years) of practice. Any given job is an experience.

Lianxing international logistics relations enterprises, the company will recruit reserve cadres every year, and the department of economics and management is also listed as a key recruitment department of Lianxing. In February 112, he was promoted to deputy director of the department of Economics and Management graduate friends Xiao Wei alumni said. Xiao Weizhong encouraged junior college students to grasp the time well, strengthen their ability to find jobs, and provided a reference for the pre-job preparation of a fresh person in society, and knew themselves from SWOT analysis.

Sustainable impact: promotes SDG 4.3.4 by enhancing students' readiness for the workforce through practical insights from industry leaders like Mr. Hong Zhen Yang. By sharing his experiences and emphasizing the importance of skill development, the program encourages students to engage in lifelong learning and self-improvement. The focus on understanding their strengths and weaknesses through SWOT analysis equips students with essential tools for career advancement, fostering a proactive approach to employment and contributing to their overall professional development in the logistics field.



Evidence: <https://obm.ntou.edu.tw/p/412-1006-10838.php?Lang=zh-tw>

65. Defense Ship Technology Workshop Haidachang—Smart Technology and Ships 國防船艦技術工作坊 海大場—智慧科技與船舶

The “Defense Naval Technology Workshop - NTOU Session: Smart Technology and Ships” is organized by the Ship and Ocean Industry R&D Center and the Chinese Society of Naval Architects and Marine Engineers, with the Department of Systems Engineering and Naval Architecture at National Taiwan Ocean University as the host. The event is guided by the Industrial Development Bureau, Ministry of Economic Affairs. On April 28, 2023, the “Defense Naval Technology Workshop - NTOU Session: Smart Technology and Ships” was held at the first-floor lecture hall of the College of Engineering at National Taiwan Ocean University. The workshop featured four presentations on the following topics:

- (1) Development and Application of New Anti-Submarine Silent Propellers** presented by Honorary Professor Ke Yongze from the Department of Systems Engineering and Naval Architecture at National Taiwan Ocean University.
- (2) Development and Application of Naval Propulsion Manufacturing** presented by Manager Zhang Jiatao from the Design Department of Hung Sheng Propeller Co., Ltd.
- (3) Naval Communication and Information Links** presented by CEO Chen Shengwen of Chihsun Digital Technology Co., Ltd.

- (4) Development and Application of Naval Seakeeping Performance** presented by Associate Professor and Department Chair Fang Zhizhong from the Department of Systems Engineering and Naval Architecture at National Taiwan Ocean University.

Sustainable impact: aligns with SDG 4.3.4 by promoting educational outreach in advanced naval technology. Featuring presentations from industry experts, the workshop enhances knowledge of smart technologies and innovations in naval architecture and engineering. By engaging students and professionals in discussions about anti-submarine technology, propulsion systems, and naval communication, the event fosters collaboration and skill development in the maritime sector, supporting sustainable advancements in defense technology and enhancing educational opportunities in this critical field.



Evidence:

https://www.idaevent.org.tw/Home/Events/event_more?id=bc5460ec75cb4cc29a0a7541f6ce3edc
<https://r088.ntou.edu.tw/var/file/103/1103/img/1564/381690003.pdf>
<https://r088.ntou.edu.tw/var/file/103/1103/img/1564/630590754.pdf>

66. NTOU Industry-Academic Project

Through on-site visits to companies, students can understand the current status of the industry, and help them gain exposure to corporate structures, business concepts and internal operations, absorb learning from them, and turn them into valuable experience in planning future career development and employment directions, providing students with valuable experience in college. Have the correct concepts when entering the workplace.

To achieve the educational goals of integrating learning and application and shortening the gap between industry and academia between schools and enterprises. By visiting companies to understand the requirements for professionals, students can prepare themselves for employment before graduation and strive for promotion and training opportunities in relevant companies. At the same time, it helps students actually understand the employment environment and internal operations of the industry.

Sustainable impact: aligns with SDG 4.3.4 by enhancing students' understanding of corporate structures and operations, thereby bridging the gap between academia and real-world applications. By gaining insights into professional requirements and the employment environment, students are better

prepared for their careers, enabling them to make informed decisions and pursue training opportunities, ultimately facilitating a smoother transition into the workforce.



Evidence: <https://r088.ntou.edu.tw/var/file/103/1103/img/1564/133519508.html>

67. Establish Topics on Marine Environmental Ecology Sustainability

The course aims to provide comprehensive knowledge of the marine environment, ecology, and sustainability. The course encourages students to initiate following recent marine ecological concepts related research by updated scientific articles reading and discussion, and by participating activities. The main topics: (1) Introduction to the marine environment (2) Introduction to the marine ecosystem (3) Introduction to climate change (4) How climate change influences marine ecology (5) Marine sustainability management. The course is designed according to SDG 4 Quality Education; 13 Climate Action; 14 Life Below Water; and 17 Partnerships for the Goals.

On Nov. 19, under the leadership of their professors, 10 students participated in a dyeing class at the Badouzi Industrial Tourism Promotion Association. Yam is a dye crop that has a deep connection with the Badouzi fishing village. Early fishermen used yams to dye cotton threads to make fishing nets to strengthen the fibers. The sodium ions in the seawater became the medium for plant dyeing and played a role in fixing the color. The dyeing on the mountain is combined with intertidal seawater rinsing to inherit the unique fishing village cultural skills of Badouzi and allow participants to experience the unique local natural and sustainable mountain and sea customs.

Sustainable impact: aligns with SDG 4.3.4 by providing students with essential knowledge about marine ecosystems and sustainability practices. By engaging in research discussions and hands-on activities, such as the dyeing class connected to local fishing culture, students experience the interplay between marine and terrestrial environments. This initiative fosters awareness of climate change impacts and encourages sustainable management practices, enhancing students' understanding of environmental issues and promoting lifelong learning in marine conservation.



Evidence:

<https://imme.ntou.edu.tw/platform/home.php#content>

<https://r088.ntou.edu.tw/var/file/103/1103/img/1564/250280528.jpeg>

68. Our email service is open to the student and alumni

We will provide free email service for student and alumni. They can continue use this email after graduation. They can receive the school-related education and class information by this service. They can continue to keep in touch past teachers, classmates or seniors through the original email account. Another they can continue receive the certification information when they subscribe to this service in school. Currently, there are 60551 email account.

Sustainable impact: This email service contributes to SDG4.3.5 by promoting sustainable access to education-related information beyond graduation, supporting lifelong learning. By allowing students and alumni to retain their email accounts, it ensures continuous access to school-related updates, courses, and certifications, regardless of their status post-graduation. This service fosters long-term connections with teachers and peers, further encouraging participation in learning opportunities.

收件人	標題	日期	大小
<input type="checkbox"/> ntou-c2-7(ntou-c2-7)	[海洋文化研究所]海洋文化與職涯發展系列講座：從AI走向AI+：如何搭配人才優	05/05 14:50	1316 K
<input checked="" type="checkbox"/> ntou-c(學生)	[海洋文化研究所]海洋文化專題演講：異鄉遊子台北打拼的成功典範：台灣斯巴	01/04 13:24	484 K
<input checked="" type="checkbox"/> ntou-c2-7(ntou-c2-7)	[海洋文化研究所]【海洋文化專題演講】香港城市更新基金的結果和社會影響：	05/08 09:50	930 K
<input checked="" type="checkbox"/> ntou-c(學生)	[海洋文化研究所]: 2023海洋文化國際學術研討會，即日起報名至11月19日	10/23 20:35	101 K
<input checked="" type="checkbox"/> ntou-a(老師)	[海洋文化研究所]2023海洋文化研究生論壇徵稿啟事，歡迎本校研究生踴躍投稿	02/21 14:11	824 K
<input checked="" type="checkbox"/> ntou-a(老師)	[海洋文化研究所] 2023海洋文化研究生論壇歡迎大家報名~ (6 / 5 前)	06/03 13:51	82 K
<input checked="" type="checkbox"/> ntou-a(老師)	[海洋文化研究所]海洋文化專題演講：異鄉遊子台北打拼的成功典範：台灣斯巴克環	04/28 10:52	1014 K
<input checked="" type="checkbox"/> ntou-c(學生)	[海洋中心]演講:11/27(一)12:10現任於矽谷生技產業的王博士演講「美國矽谷生	11/01 10:39	14 K
<input checked="" type="checkbox"/> ntou-c(學生)	[海洋中心]資料科學課程開始報名囉	02/08 15:04	14 K
<input checked="" type="checkbox"/> ntou-b(職員)	[海洋中心]新知演講：海馬能量分析儀介紹與應用	06/06 14:37	11 K
<input type="checkbox"/> ntou-b(職員)	[海洋中心]敬邀參加112年4月12日(三)耕心療康診所林耕新院長專題演講(海洋中	04/10 10:44	13 K
<input type="checkbox"/> ntou-b(職員)	[海洋中心]敬邀參加112年4月12日(三)耕心療康診所林耕新院長專題演講	03/22 11:49	13 K
<input type="checkbox"/> ntou-b(職員)	[海洋中心]敬邀參加112年3月14日國科會生命科學研究發展處楊台灣處長專題演	03/08 08:51	13 K
<input type="checkbox"/> ntou-b(職員)	[海洋中心]敬邀參加112年02月15日(三) Indian Institute of Science Educati	02/09 13:29	22 K
<input type="checkbox"/> ntou-c(學生)	[海洋中心]海洋中心112年度教育訓練(一)	08/23 09:15	58 K
<input checked="" type="checkbox"/> taaq(taaq)	[海洋中心]Invitation for Students to Participate in the International F	08/01 15:36	26 K

2023發送學生和校友之相關教育訊息



Evidence: <https://mail.ntou.edu.tw>

69. Website provides bilingual interface services

By providing a bilingual website interface, users can seamlessly access school information and resources (such as teaching materials, multimedia, e-books, databases, and other related resource platforms), achieving the goals of lifelong education and educational equity. This approach also enhances the promotion of related activities and information, fostering cross-cultural communication and collaboration.

Sustainable impact: aligns with SDG4.3.5 by enhancing access to educational resources and promoting lifelong learning for a diverse audience. By offering content in multiple languages, it ensures that individuals from different linguistic backgrounds can easily engage with teaching materials, multimedia, and databases, supporting educational equity. This inclusive approach fosters cross-cultural communication and ensures that no one is left behind due to language barriers, thereby contributing to more sustainable and equitable access to education.

透過提供網頁雙語化界面，確保使用者能夠無障礙的獲取學校資訊與資源(如教學材料、影音、電子書、資料庫等相關資源平台)，達到終身教育和教育公平的目的，也可以更好地進行推廣相關的活動和資訊，促進跨文化交流和合作。



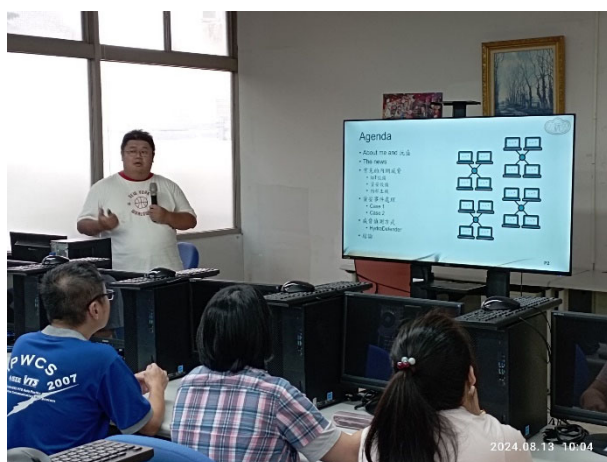
Evidence: <https://li.ntou.edu.tw/?Lang=en>

70. Information security education and training

Promote information security policies, conduct information security lectures and audits, and strengthen information security promotion and education training to enhance personnel's awareness and understanding of information security protection, protect the security of school information systems

and assets, and comply with the specifications of information security regulations and management systems, and In order to assist personnel in completing information security general education training, we provide on-campus and foreign information security-related digital courses to facilitate teachers and staff to study at any time.

Sustainable impact: supports SDG4.3.5 by offering ongoing, accessible learning opportunities for teachers and staff, fostering a culture of continuous professional development. By providing digital courses on information security, both on-campus and remotely, the program ensures that personnel can enhance their skills and knowledge at any time, promoting lifelong learning. This initiative also helps protect the school's information systems and assets, ensuring compliance with regulations while contributing to a sustainable, secure educational environment.



Evidence: <https://cstudio.ntou.edu.tw>