SDG 17
PARTNERSHIPS FOR THE GOALS

SDG 17 Content Overview

01	Policy Engagement and Partnerships for Sustainable Development	Page 2 - 10
02	Cross-Sector SDG Dialogue	Page 11 - 17
03	International Collaboration Data Gathering for SDG	Page 18 - 22
04	Collaboration for SDG Best Practice	Page 23 - 26
05	NGO Collaboration for SDGs	Page 27 - 35
06	Education for SDGs commitment to meaningful education	Page 36-54
07	Education for SDGs: specific courses on sustainability	Page 55
08	Education for SDGs in the Wider Community	Page 56 - 64
09	Sustainability Literacy	Page 65

01 Policy Engagement and Partnerships for Sustainable Development

Universiti Malaya (UM)'s engagement with government agencies, parliamentary groups, international organisations and regional partners supports evidence-based policy development on a range of sustainable development challenges. Through policy research, expert advice, multi-stakeholder dialogue and the development of policy frameworks and recommendations, these engagements contribute to identifying societal challenges, developing practical strategies and strengthening approaches to SDG implementation at national and regional levels.

Examples include:

- **Strategic Collaboration with APPGM-SDG and Government Agencies on National SDG Policy Implementation (Page 3)**
- **Advancing National Prostate Cancer Screening Policy Through Evidence-Based Engagement (Page 4)**
- **Policy Framework for Strengthening Old-Age Income Protection under Malaysia's RMK13 (Page 5)**
- **Contributing to National Education for Sustainable Development Policy (Page 6)**
- **Universiti Malaya's Contribution to the MyMediSAFE Master Plan 2025 (Page 7)**
- **Regional Policy Dialogue on Poverty Eradication and Inclusive Development in ASEAN (Page 8)**
- **Multidimensional Poverty Evidence for Policy Planning and Socioeconomic Transformation (Page 9)**
- **Global Policy Dialogue on Social Protection for Malaysia's Sandwich Generation (Page 10)**

Strategic Collaboration with APPGM-SDG and Government Agencies on National SDG Policy Implementation

Universiti Malaya established a strategic collaboration with the All-Party Parliamentary Group Malaysia on Sustainable Development Goals (APPGM-SDG) to support SDG implementation and policy development in Malaysia. The collaboration encompasses joint policy research, issue mapping and field research, district-level SDG Task Forces, and technical support for evaluating community and food security initiatives. It also supports the development of community learning centres as living labs and empowerment and poverty alleviation programmes for marginalised communities across Peninsular Malaysia, Sabah and Sarawak. Through these activities, UM contributes research and technical expertise to SDG-related policy discussions, strategies and publications.





This policy engagement was further demonstrated through a forum on consolidating the sustainability agenda among higher education institutions, organised by the Ungku Aziz Centre for Development Studies (UAC) in collaboration with the Ministry of Economy, Ministry of Higher Education, APPGM-SDG and SDSN Sunway University on 24 February 2025. The forum brought together approximately 150 university leaders, students, SDG committee representatives and government officials to discuss the proposed Sustainability Framework for Higher Learning Institutions and approaches to strengthening SDG and ESG implementation across Malaysian universities.





Following the forum, UAC submitted a Sustainability Framework report for Higher Education and National SDG Implementation to the Ministry of Higher Education and the Ministry of Economy for further consideration and alignment at the national level. The collaboration and subsequent policy submission demonstrate UM's direct engagement with parliamentary, government and higher education stakeholders in developing evidence-based approaches and policy frameworks for advancing SDG implementation in Malaysia.

Advancing National Prostate Cancer Screening Policy Through Evidence-Based Engagement



The Faculty of Medicine, Universiti Malaya, presented a Policy Brief on Improving Prostate Cancer Screening to the Minister of Health, Malaysia on the 4th of June 2025. Developed under the Urological Cancer Trust Fund, the policy brief identified challenges associated with late detection of prostate cancer and proposed a targeted, evidence-based national screening programme to support earlier detection and reduce the burden of late-stage disease, advancing SDG 3: Good Health and Well-being.

By presenting the policy brief directly to the national health authority, the Faculty of Medicine provided research-based evidence and expert recommendations to inform national health policy discussions. The initiative demonstrates direct engagement with the Malaysian Government in identifying a public health challenge and proposing a practical policy strategy to strengthen prostate cancer screening and early detection reflecting the cross-sector collaboration promoted by SDG 17: Partnerships for the Goals.

Policy Framework for Strengthening Old-Age Income Protection under Malaysia's RMK13

As the leading research institution on ageing and social wellbeing, the Social Wellbeing Research Centre (SWRC), Universiti Malaya, in collaboration with and funded by the Asian Development Bank (ADB), produced the policy working paper "Securing Dignity in Ageing: A Framework for Malaysia's Integrated Old-Age Income Protection in Advancing RMK13"dated 15 November 2025.



The paper was prepared to inform and support the national reform agenda and as a contribution to the implementation of RMK13. It provides a comprehensive situation analysis of Malaysia's old-age income protection system and sets out policy objectives, reform strategies and a phased roadmap for strengthening income security under the 13th Malaysia Plan (RMK13).

UM's input covers the main stages of policy development which include identifying problems and challenges highlighted through a comprehensive situation analysis identified through SWRC's own primary research (Malaysia Retirement Survey, MARS) and developing policies and strategies to strengthen long-term pension adequacy.

The proposed framework addresses structural issues affecting old-age income security, including the consolidation of social assistance and measures to strengthen long-term pension adequacy. By providing evidence-based analysis, policy recommendations and a structured reform roadmap, the study supports the national reform agenda on reducing old-age poverty, strengthening social protection and improving income security for Malaysia's ageing population. It also supports the SDGs, particularly SDG 1: No Poverty, which includes the target of implementing nationally appropriate social protection systems, and SDG 10: Reduced Inequalities.

Contributing to National Education for Sustainable Development Policy

On the 26th of August 2025, representatives from the UM Sustainable Development Centre participated as UM's focal point(s) for Education for Sustainable Development (ESD) and Global Citizenship Education (GCED) in the Ministry of Education Malaysia's stakeholder engagement session for the development of the National Action Plan for Education for Sustainable Development (ESD) and Global Citizenship Education (GCED) 2026–2035.

The session was organised by the Educational Policy Planning and Research Division (BPPDP) through the Ministry's Strategic Partners Committee on ESD and GCED, as part of drafting a plan that will complement the Malaysia Education Blueprint (PPPM) 2026–2035. BPPDP invited organisations to nominate an officer directly involved in ESD and GCED initiatives, and UM took part in this capacity.

The session provided a platform for stakeholders to contribute input and feedback towards strengthening the national action plan, including its direction, implementation across education levels, capacity building, and monitoring and evaluation. UM's participation provided an opportunity to contribute to national policy development related to sustainable development education. As a higher education institute, UM provided input on areas including but not limited to integrating ESG into curricula and embedding sustainability across its academic entities. UM's participation served as input into the Ministry's national policy development on sustainable development education, in line with SDG 4 (Quality Education), particularly Target 4.7, and SDG 17 (Partnerships for the Goals), through collaboration between the university and the Ministry.



Universiti Malaya's Contribution to the MyMediSAFE Master Plan 2025

Ms Mary Lee Hong Gee, a Senior Lecturer at UM's Faculty of Pharmacy and a key researcher in the UM Living Lab Safe D.U.M.P (Safe Disposal of Unused Medicines Programme), participated in the refinement of the Ministry of Health Malaysia's MyMediSAFE Master Plan 2025 Edition. The plan provides a framework for promoting the safe disposal of unused medicines to protect public health and minimise environmental contamination from pharmaceutical waste.



Through this engagement, Universiti Malaya contributed academic expertise and research experience to a government-led initiative addressing sustainable medicine management. The initiative supports the broader objectives of the Sustainable Development Goals, particularly SDG 12 (Responsible Consumption and Production) through the promotion of responsible pharmaceutical waste management, and SDG 6 (Clean Water and Sanitation) by helping to reduce the risk of water pollution from improperly discarded medicines. By contributing to the refinement of the master plan, UM helped support the development of a coordinated approach to addressing pharmaceutical waste and advancing environmental sustainability.

Regional Policy Dialogue on Poverty Eradication and Inclusive Development in ASEAN

The Ungku Aziz Centre for Development Studies (UAC), Universiti Malaya, together with the Ministry of Higher Education (MOHE), Malaysia, organised the regional forum "Higher Education and Poverty Eradication: ASEAN's Path to Inclusive Growth" under the theme "Redefining Poverty Eradication in ASEAN: Multidimensional Perspectives, Evidence and Pathways for Inclusive Development". Held on 6 November 2025 at the Putrajaya International Convention Centre (PICC) as part of Festival Idea Putrajaya, the forum brought together academics, policymakers and institutional representatives from across ASEAN to discuss approaches to poverty eradication and inclusive development.

The programme addressed national and regional commitments to ending poverty, policy innovations and social protection in Southeast Asia. A regional forum session brought together experts from the World Bank East Asia and Pacific, Malaysia, the Philippines and Thailand to examine the role of higher education in poverty eradication and inclusive growth. Discussions considered poverty from a multidimensional perspective and explored evidence-based pathways and policy approaches for inclusive development.

Through its collaboration with MOHE and its role in convening regional academics, policymakers and development practitioners, UAC contributed to cross-sectoral and regional policy dialogue on poverty eradication. The forum provided a platform for sharing evidence, policy perspectives and approaches to addressing multidimensional poverty and strengthening inclusive development across ASEAN







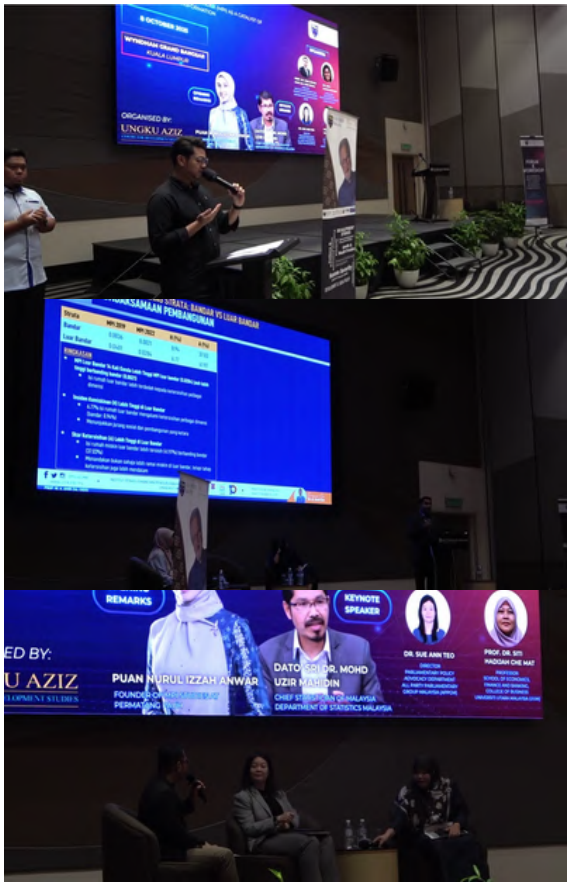


Multidimensional Poverty Evidence for Policy Planning and Socioeconomic Transformation

The Multidimensional Poverty Index (MPI) provides a framework for assessing poverty beyond income by examining overlapping deprivations across areas such as education, health and living standards. Its application provides an evidence base for developing more holistic and targeted approaches to poverty reduction. Building on this framework, the Ungku Aziz Centre for Development Studies (UAC), Universiti Malaya, organised the Multidimensional Poverty Index (MPI) Forum and Workshop, "MPI as a Catalyst for Socioeconomic Transformation", on 8–9 October 2025.



The programme brought together academics, policymakers, statisticians and practitioners, including representatives from the Department of Statistics Malaysia, United Nations Development Programme (UNDP) Malaysia, the Parliamentary Policy Advocacy Department of the All Party Parliamentary Group Malaysia (APPGM), Universiti Malaysia Kelantan and Universiti Utara Malaysia. The forum provided a multi-stakeholder platform to discuss the application of MPI evidence in policy planning, field research and socioeconomic analysis.



Discussions focused on translating MPI data into evidence-based policy actions and context-sensitive interventions addressing different dimensions of poverty across urban, peri-urban and rural settings. Participants also received practical training in MPI data calculation, analysis and interpretation, strengthening their capacity to apply multidimensional poverty evidence in research and policy-related work.

Through the forum and workshop, UAC facilitated engagement among government, parliamentary, international development and higher education stakeholders on the use of multidimensional poverty evidence for policy planning. The initiative supported evidence-based approaches to identifying poverty-related challenges and developing more targeted and inclusive responses to socioeconomic deprivation.

Global Policy Dialogue on Social Protection for Malaysia's Sandwich Generation

The "sandwich generation" refers to individuals supporting both ageing parents and dependent children. Population ageing, rising life expectancy and increasing caregiving responsibilities can place additional financial pressures on working-age households and increase their vulnerability to poverty, particularly when families face simultaneous costs associated with childcare, education and eldercare.

In March 2025, the Social Wellbeing Research Centre (SWRC), Universiti Malaya, in collaboration with the Institute of Strategic & International Studies (ISIS) Malaysia, convened a national and global policy roundtable on the challenges faced by the sandwich generation. The discussion brought together policymakers, researchers and other stakeholders, including representatives from UNICEF, the United Nations Population Fund (UNFPA) and the World Bank Group, to examine pressures faced by Malaysian families and gaps in existing social protection frameworks.



The policy dialogue addressed pension adequacy, ageing and labour markets, investment in children and the care economy. Presentations and panel discussions considered policy approaches including a consumption-based contributory pension model and more integrated social protection measures to support caregiving responsibilities, wellbeing and continued economic participation.

The roundtable contributed to policy dialogue on strengthening social protection and reducing poverty and economic vulnerability among intergenerational caregivers. By bringing together Malaysian and international policy stakeholders and examining evidence and policy approaches from different contexts, SWRC supported discussions on more integrated responses to ageing, caregiving and household financial vulnerability.

02 Cross-Sector SDG Dialogue

UM facilitates and participates in cross-sectoral dialogue on sustainable development by bringing together government agencies, policymakers, academia, industry, civil society and international partners through conferences, forums and other engagement platforms. These activities create opportunities for knowledge exchange, collaboration and discussion of shared sustainability challenges across sectors and at national, regional and international levels.

Examples include:

- **Forum on Consolidating the Sustainability Agenda Among Higher Education Institutions** (Page 12)
- **2025 National Occupational Safety and Health Conference: Cross-Sector Dialogue on Workplace Safety in Higher Education** (Page 13)
- **Fostering Global Dialogue on Planetary Health Equity** (Page 14)
- **UM Giving Carnival: Strengthening Cross-Sector Collaboration for Sustainable Development** (Page 15)
- **AUN-QA Conference Strengthens Regional Higher Education Collaboration** (Page 16)
- **Strengthening Global Dialogue Through High-Level Diplomatic Engagement** (Page 16)
- **International Collaboration on Climate Data and Measurement: UM at COP30** (Page 17)

Forum on Consolidating the Sustainability Agenda Among Higher Education Institutions

The Ungku Aziz Centre for Development Studies, in collaboration with the Ministry of Economy, Ministry of Higher Education, All-Party Parliamentary Group Malaysia on Sustainable Development Goals (APPGM-SDG), and SDSN Sunway University, organised a forum on 24 February 2025 to promote SDG and ESG implementation across public and private universities, advancing SDG 4 (Quality Education) and SDG 17 (Partnerships for the Goals). The session gathered around 150 participants, including university leaders, students, SDG committee representatives, and government officials, to exchange ideas and discuss the proposed "Sustainability Framework for Higher Learning Institutions."



The forum served as a platform for multi-stakeholder dialogue, encouraging collaboration between universities, industry, and government in line with SDG 17's emphasis on effective multi-stakeholder partnerships (Targets 17.16 and 17.17). Insights from the discussions will inform a proposed action plan to harmonise sustainability initiatives across higher education institutions in Malaysia supporting SDG 4's aim of equipping learners with the knowledge and skills to promote sustainable development (Target 4.7) and SDG 17's call for policy coherence (Target 17.14). Following the programme, UAC submitted a Sustainability Framework report for Higher Education & National SDG Implementation to the Ministry of Higher Education and the Ministry of Economy for further consideration and alignment at the national level, providing UM's direct input into national SDG policy development

2025 National Occupational Safety and Health Conference: Cross-Sector Dialogue on Workplace Safety in Higher Education

Hosted at UM on the 9th of September 2025, the National Occupational Safety and Health Conference, themed “Leading and Cultivating Workplace Safety and Health in Higher Education Institutions” advanced SDG 8 (Decent Work and Economic Growth), particularly Target 8.8 on safe and secure working environments, and SDG 3 (Good Health and Well-being). The conference called for a culture of care in higher education institutions that goes beyond technical compliance, covering the safety, health and well-being of staff and students.

This event highlighted the importance of workplace safety and health in supporting organisational sustainability, productivity, and employee well-being in September 2025. The conference emphasised the need to foster a culture of care beyond technical compliance in higher education institutions.

Officiated by the Deputy Minister of Higher Education, YB Datuk Ts. Mustapha Sakmud, the conference brought together agencies including the Social Security Organisation, Department of Occupational Safety and Health, National Institute of Occupational Safety and Health, Construction Industry Development Board, the Fire and Rescue Department, and the Ministry of Health. The event provided a platform for cross-sector dialogue and knowledge exchange between academia, government, and regulatory bodies to strengthen workplace safety, well-being, and organisational resilience.



Fostering Global Dialogue on Planetary Health Equity

The 18th Annual APRU Global Health Conference 2025 held in October, themed "Towards Planetary Health Equity: A Global Call for Shared Solutions", hosted by Universiti Malaya (UM) in October 2025 and officially opened by the Honourable Minister of Health, Malaysia. The conference brought together academics, researchers, and policymakers from across the Pacific Rim to exchange insights and explore collaborative solutions for global health equity, , advancing SDG 3 (Good Health and Well-being) and SDG 10 (Reduced Inequalities).

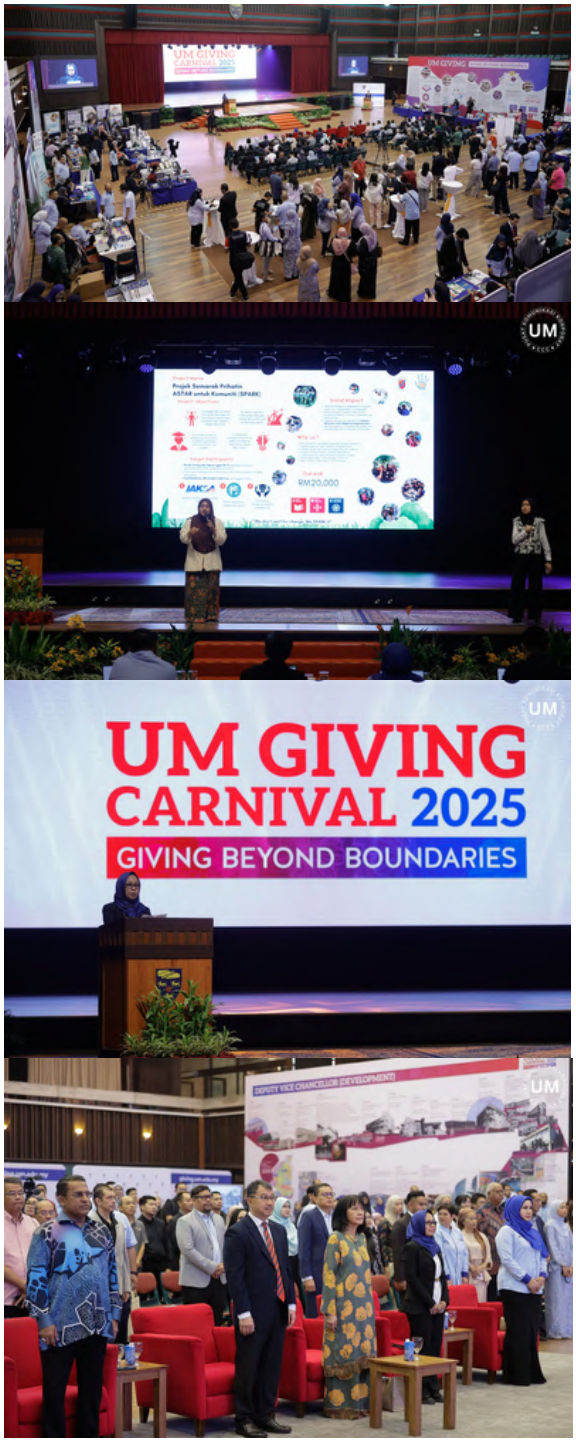
Held in conjunction with International Week 2025, the event provided a platform for cross-sectoral dialogue among participants from government, academia, and international institutions to discuss pressing challenges and innovative approaches, in line with SDG 17's emphasis on multi-stakeholder partnerships (Targets 17.16 and 17.17). The conference strengthened international collaboration and knowledge exchange in support of sustainable development and equitable health outcomes worldwide, and its discussions and recommendations were shared with the Ministry of Health to inform national health policy.



UM Giving Carnival: Strengthening Cross-Sector Collaboration for Sustainable Development

The UM Giving Carnival, held on 18 June 2025 at Dewan Tunku Canselor, brought together industry partners, organisations, researchers, and members of the public in support of social impact and sustainable development. The event served as a platform for dialogue and collaboration, highlighting shared priorities such as student welfare, research excellence, innovation, graduate employability, and sustainability.

Through its focus on philanthropy, corporate social responsibility, and impactful investment, the carnival encouraged discussions on how different sectors can collectively contribute to national and global development goals, including SDG 4: Quality Education and SDG 8: Decent Work and Economic Growth. By connecting academia, industry, and the wider community, the event reflected UM's commitment to fostering cross-sector engagement and collaborative partnerships for sustainable progressin line with SDG 17: Partnerships for the Goals.



AUN-QA Conference Strengthens Regional Higher Education Collaboration



The AUN-QA International Conference (AUNQAIC 2025) was hosted by Universiti Malaya (UM) at Dewan Tunku Canselor, marking Malaysia's first time hosting this ASEAN University Network event. The conference, themed "Fortifying Higher Education: Strategic QA for Resilience and Institutional Immunity in ASEAN", brought together higher education leaders and quality assurance experts from across the region to share insights and strategies on strengthening institutional quality, advancing SDG 4 (Quality Education).

The event provided a platform for dialogue between universities, policymakers, and quality assurance professionals, in line with SDG 17's emphasis on multi-stakeholder partnerships (Target 17.16). It supported cross-sectoral engagement and knowledge exchange, helping to build stronger regional connections in higher education.

Strengthening Global Dialogue Through High-Level Diplomatic Engagement



His Excellency Andrzej Duda, President of the Republic of Poland, visited UM on the 13th of June 2025 as part of an official programme in Malaysia and delivered a public lecture titled "Poland's Position in the EU: Challenges and Choices" at the Asia-Europe Institute (AEI). The lecture offered timely reflections on Europe's policy landscape, particularly in the context of Malaysia's role as ASEAN Chair and Poland's presidency of the Council of the European Union, and brought together diplomats, policymakers, academics, and students.

The visit provided a platform for cross-sectoral dialogue on global development issues, enabling meaningful exchange among diverse stakeholders. It strengthened international understanding and cooperation, contributing to broader efforts to advance global partnerships aligned with sustainable development reflecting SDG 17: Partnerships for the Goals and to peaceful and inclusive institutions in line with SDG 16: Peace, Justice and Strong Institutions.

International Collaboration on Climate Data and Measurement: UM at COP30







Universiti Malaya (UM) took part in the **30th UN Climate Change Conference (COP30)** in Belém, Brazil, in November 2025, building on its involvement in COP28 and COP29 as part of the government and public sectors. UM's participation is supported at national level by the UM Climate Change Advisory Panel and its collaboration with the Ministry of Natural Resources and Environmental Sustainability (NRES), which links UM's research to Malaysia's climate agenda and its international engagement.

At COP30, UM's researchers and students contributed evidence and perspectives to international discussions on how climate impacts and resilience are understood and measured:

- **Ts. Dr. Fong Chng Saun** contributed on the use of artificial intelligence for urban resilience and climate security, and on **measuring wellbeing amid environmental tipping points**.
- **Prof. TPr. Dr. Goh Hong Ching** contributed on ocean stewardship, the blue economy and climate security.
- **Assoc. Prof. Dr. Amy Then** contributed on climate security and its implications for lives, livelihoods and societal stability.
- **Youth delegates** brought Southeast Asian perspectives to international panels and to the Capacity Building Hub, including the Sponge City Innovation Challenge as a youth-led model for climate capacity-building and urban resilience.

Together, they connect UM's research to international platforms. UM contributes research and measurement approaches to global efforts on climate action (SDG 13) and strengthens partnerships for the goals (SDG 17).

03 International Collaboration Data Gathering for SDG

UM takes part in international collaborations that gather, compile and analyse data to measure progress on the Sustainable Development Goals. Working with universities, research networks, funding bodies and international organisations, UM's researchers contribute data, methods and expertise to shared datasets on biodiversity, climate, ageing and the environment. These collaborations strengthen the evidence base for decision-making at national, regional and global levels, and help ensure that data on the SDGs is consistent, comparable and openly shared.

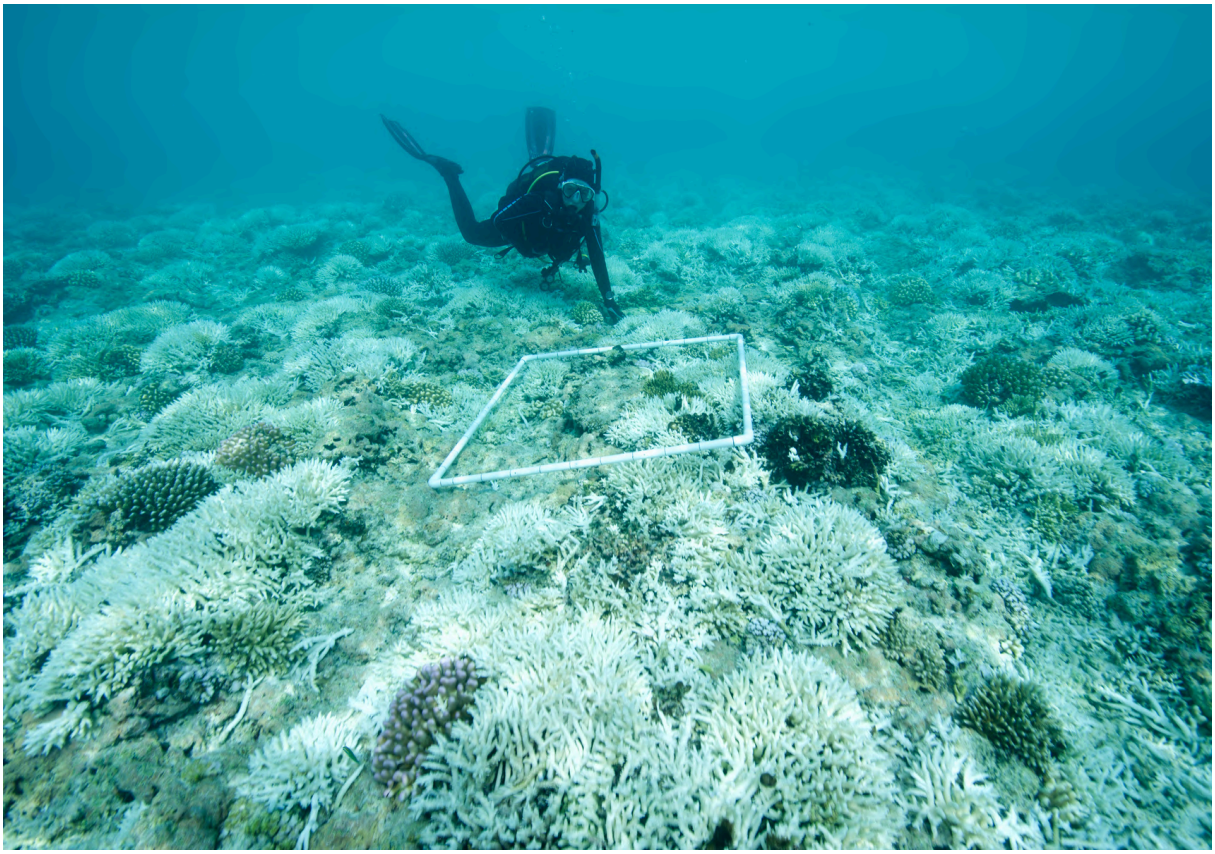
Examples include:

- **International Collaboration to Assess Southeast Asian Marine Biodiversity** (Page 19)
- **Regional Collaboration on Peatland Carbon and Transboundary Haze Data** (Page 20)
- **Biodiversity Data Gathering: City Nature Challenge 2025** (Page 21)
- **International Collaboration on Global Ageing Data Analysis** (Page 22)

International Collaboration to Assess Southeast Asian Marine Biodiversity

Universiti Malaya participated in an international research collaboration led by Hokkaido University, Japan, under the Japan Society for the Promotion of Science (JSPS) KAKENHI, with Associate Prof. Dr Jillian Ooi Lean Sim serving as a co-researcher. The project, Evaluation of Marine Biodiversity in Coastal Areas of Southeast Asia: Estimating Past Trajectory, Current Status and Future Forecast, focused on assessing changes in marine biodiversity across Southeast Asian coastal areas, including past conditions, current status and future scenarios.

The research involved gathering, compiling and analysing marine biodiversity information, particularly on mangrove and seagrass ecosystems. Researchers accumulated distribution records for tropical seagrass beds across Southeast Asia and developed a database to assess their distribution, temporal changes and conservation status. The project also used literature, remote sensing data and historical aerial photographs to reconstruct past biodiversity conditions and support assessment of changes over time. The international scope of the research included coastal areas in countries such as Malaysia, Thailand, the Philippines and Indonesia. Through this participation, UM contributed its expertise in marine habitat mapping, species distribution modelling and seagrass ecosystems to this international effort to improve the availability and assessment of marine biodiversity information in Southeast Asia.



Regional Collaboration on Peatland Carbon and Transboundary Haze Data

The Universiti Malaya-led project "Policy and Governance Approaches to Cooperative Mitigation of Peatland Carbon Emissions and Transboundary Haze in Southeast Asia", supported by the Asia-Pacific Network for Global Change Research (APN), brought together researchers from Malaysia, Indonesia and Singapore to strengthen regional understanding of peatland carbon emissions, haze and climate-related risks. The project is led by Associate Professor Dr Helena Varkkey of Universiti Malaya, with collaborators from the University of Nottingham Malaysia, ISEAS-Yusof Ishak Institute, Universitas Tanjungpura and Monash University Indonesia.

The project's methodology includes summarising greenhouse gas (GHG) emissions and removals data and addressing uncertainties in these measurements. It also examines differences in data standards and transparency that can affect the understanding and governance of transboundary haze, while seeking to strengthen the evidence base for peatland carbon emissions, haze and sustainable land-use governance across Southeast Asia. The project draws on several kinds of evidence: a literature review, expert workshops and mapping exercises on peatland extent and emissions estimates; analysis of media reporting on haze and extreme weather from 2015 to 2024; surveys and focus group discussions in Indonesia and Malaysia on public concern and climate communication; and insights from community members at case study sites in Selangor, Malaysia, and Limbung, Indonesia.

In 2025, the collaboration generated further regional work on peatland data and measurement through the "Peatlands Futures: Integrating Data and Community Governance for Nature-Based Climate and Haze Solutions" seminar. The research presented at the seminar examined challenges in mapping and quantifying peatlands for climate and biodiversity research and how these uncertainties affect systems for monitoring and reporting GHG emissions. The project recommended improved mapping and area-estimation practices, community participation in data collection and monitoring, and multi-scale, multi-source Measurement, Reporting and Verification (MRV) systems to strengthen the quality and transparency of peatland data.

Associate Professor Dr Helena Varkkey, as the Universiti Malaya project leader, also presented and launched a policy brief at the 2025 seminar addressing data uncertainty and community knowledge in peatland governance. The collaboration demonstrates UM's participation in international and regional efforts to consolidate, analyse and improve the measurement and monitoring of environmental data relevant to climate action, ecosystem protection and sustainable development in Southeast Asia.

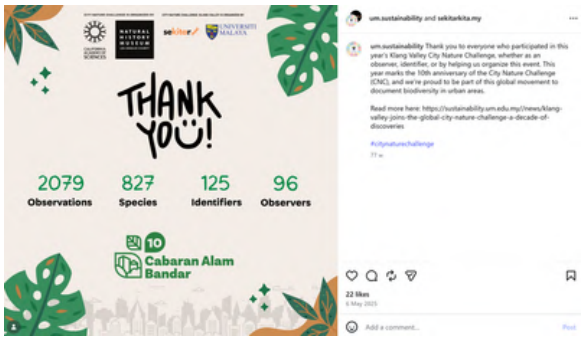




Biodiversity Data Gathering: City Nature Challenge 2025

In the second quarter of 2025, Universiti Malaya through its Sustainable Development Centre (UMSDC) and in partnership with Sekitar Kita, a universiti-linked social enterprise, organised the **City Nature Challenge (CNC) 2025: Klang Valley**, part of an annual international bioblitz in which cities around the world share observations of nature. The global challenge is run by the Community Science teams of the California Academy of Sciences and the Natural History Museum of Los Angeles County. Participants photograph wild plants and animals, record their location, and upload and identify the observations on iNaturalist, creating a shared biodiversity dataset that can be used for research, conservation and urban planning (SDG 11, SDG 15, SDG 17).















- Discover the City Nature Challenge 2025 Pahang and Klang Valley, with UiTM Pahang Branch, Jengka Campus (23 April)
- IOIPG City Nature Challenge 2025 webinar (23 April)
- Introduction to CNC and iNaturalist through SQJ7009: Social Innovation, an elective in the Master's programme in Science Communication and Public Engagement (23 April)
- City Nature Challenge 2025 during the Superhero Iklim training workshop (24 April)

The Klang Valley challenge recorded 2079 observations of 827 species, with 125 identifiers and 96 observers. Through this collaboration, UM contributed Malaysian biodiversity data to an international effort that measures urban nature, and trained students and the public to collect and identify it.

International Collaboration on Global Ageing Data Analysis

In August 2025, the Department of Social and Preventive Medicine, Faculty of Medicine, Universiti Malaya, hosted Professor Linyan Li from City University of Hong Kong for an academic exchange focused on data science and healthy ageing. As part of the collaboration, Professor Li worked with Professor Dr Claire Choo Wan Yuen to co-analyse a global ageing dataset, supporting cross-border research on population ageing and healthy ageing.



The collaboration emphasised the importance of high-quality and harmonised data for understanding the needs of ageing populations, including long-term care requirements and age-friendly approaches. This international data collaboration demonstrates UM's participation in the analysis and use of cross-country ageing data relevant to health and wellbeing and the development of evidence-informed responses to demographic change.

04 Collaboration for SDG Best Practice

Universiti Malaya (UM) works with international partners to review comparative approaches and develop best practice for tackling the Sustainable Development Goals. Through international workshops, research collaboration and expert convening, UM brings together universities, government agencies, research institutes, industry and civil society to exchange experience from different countries, assess existing practices and identify approaches that can be applied in Malaysia and the wider region. These collaborations help translate international knowledge and frameworks into practical guidance, national plans and shared principles that support SDG implementation.

Examples include:

- **International Collaboration on Seaweed Biosecurity Best Practices** (Page 24)
- **International Collaboration on Quality Assurance Best Practices: AUN-QA International Conference 2025** (Page 25)
- **International Collaboration and Shared Principles for Malaysia's Polar Research** (Page 26)

International Collaboration on Seaweed Biosecurity Best Practices

Universiti Malaya (UM), through the Institute of Ocean and Earth Sciences (IOES), organised the PMP/AB-Seaweed Workshop in collaboration with the Department of Fisheries Sabah, the Scottish Association for Marine Science (UK) and the Natural History Museum (UK). Held in Kota Kinabalu from 24–26 September 2025, the workshop brought together 47 participants from government, academia, industry and other stakeholder groups to exchange international experience and knowledge and strengthen approaches to seaweed biosecurity, protection and restoration in Malaysia.

The workshop reviewed existing biosecurity practices and identified best practices for addressing key pest and disease challenges affecting commercially cultivated seaweed species, including *Kappaphycus, Eucheuma, Gracilaria and Caulerpa*. Discussions also considered climate-related impacts, the development of climate-resilient seaweed species, and approaches for protecting and restoring wild seaweed stocks. Through presentations, group discussions and interactive sessions, participants exchanged experience on seaweed identification, disease management, biosecurity and sustainable sector development.

The workshop built on international research and experience from GlobalSeaweedSTAR, GlobalSeaweed-SUPERSTAR and GlobalSeaweed-PROTECT, including knowledge generated through collaboration involving Malaysia, the Philippines and Tanzania. It also drew on the FAO's Progressive Management Pathway for Improving Aquaculture Biosecurity for the Seaweed Industry (PMP/AB-Seaweed), providing an international framework for strengthening biosecurity and managing risks to the sector.

The outcomes supported efforts to incorporate the PMP/AB-Seaweed framework and identified best practices into Malaysia's National Seaweed Management Plan. Participants also discussed the establishment of a multi-stakeholder technical working group involving government, industry, civil society and academic partners to advance seaweed biosecurity, protection and restoration. Through this international collaboration, UM facilitated the exchange, review and application of international experience and best practices to support sustainable seaweed management in Malaysia.





International Collaboration on Quality Assurance Best Practices: AUN-QA International Conference 2025

Universiti Malaya hosted the AUN-QA International Conference (IC) 2025 on 5–6 November 2025 in Kuala Lumpur, together with the AUN-QA Assessors' General Assembly (6 November) and the AUN-QA Chief Quality Officers' (CQO) Meeting (7 November). Under the theme "Fortifying Higher Education: Strategic QA for Resilience and Institutional Immunity in ASEAN", the conference brought together over 400 quality assurance experts and practitioners from 104 institutions, with 19 speakers from 11 countries, across seven sessions of keynotes, plenary, panel and parallel workshops.

The reviewing of comparative approaches: The plenary session brought together speakers from universities across ASEAN, from UM, Mahidol University, Ateneo de Manila University, De La Salle University and the University of Santo Tomas, to present best practices, drivers and impacts of internal quality assurance at their institutions. UM contributed its own internal QA practice to this comparison, placing it alongside peer institutions' approaches for regional review. A panel on external quality assurance, with the AUN-QA Council, the Accreditation Board for Engineering and Technology (ABET) and the Malaysian Quality Assurance Network (MyQAN), examined how external QA can be strengthened through knowledge exchange, peer learning, benchmarking and a community of practitioners. Parallel workshops compared approaches to qualifications recognition (AUN-QEx), micro-credentials and the digitalisation of QA, with contributions from the European Association for Quality Assurance in Higher Education (ENQA) working group on micro-credentials, ABET, Chulalongkorn University and the National University of Singapore.

The development of best practices: At the Assessors' General Assembly, AUN-QA assessors (including UM assessors) reviewed the revision of the AUN-QA Guide to Assessment at Programme Level (Version 4) and the impacts of AUN-QA programme assessments, while the AUN-QA Secretariat presented updates to the Guidelines for Assessment and Assessors (Version 3.0). UM convened in these sessions, enabling the regional review of the guidance that underpins programme assessment across ASEAN by sharing in-house practices. At the CQO Meeting, MyQAN and AUN-QA signed their second Memorandum of Understanding, renewing their collaboration to strengthen quality assurance in Malaysia and across ASEAN.

Quality assurance highlights effective and accountable institutions (SDG 16), quality education (SDG 4) and partnership across institutions and countries (SDG 17). UM facilitated the exchange and review of international QA practice and contributed to the development of shared best practice across the ASEAN higher education community by hosting this conference





International Collaboration and Shared Principles for Malaysia's Polar Research

As a pre-event to UM's 120th Anniversary, Universiti Malaya through the National Antarctic Research Centre hosted "Universiti Malaya and Frozen Horizons: 25 Years of Antarctic Exploration, Tropical Linkages and Climate Action" on the 24th of September 2025 at the Research Management & Innovation Complex (RMIC). The meeting brought together scientists, policymakers, educators, artists and the public to review Malaysia's 25-year journey in Antarctic research and to set future directions for the country's polar engagement.

Discussions drew on Malaysia's active participation in international polar collaborations, which have produced more than 427 publications since 1999. Participants reviewed the shared values that have guided this work (responsibility, interconnection, collaboration, equity and sustainability) and considered Malaysia's standing within the Antarctic Treaty System, including the aspiration to attain Consultative Party status. They also identified priorities for the next phase: establishing a Malaysian Antarctic research base, integrating polar research with national sustainability agendas, nurturing young researchers, and enacting a dedicated Antarctic Act.

The outcomes were published as "Shared values, hopes and aspirations of Malaysian polar scientists: meeting outcomes" (Subramaniam, 2025) in the Polar Journal, Vol 16, No 1, pp. 379–381 (published online 24 December 2025). Through this meeting, UM convened a review of international polar collaboration and developed shared principles to guide Malaysia's contribution to global climate and sustainability efforts.





05 NGO Collaboration for SDGs

Universiti Malaya collaborates with non-governmental organisations (NGOs) through student volunteering programmes, community engagement, research initiatives and the development of educational resources that contribute to addressing social, environmental and sustainable development challenges. These collaborations provide opportunities for students and staff to work with NGOs in supporting communities, sharing knowledge and expertise, and contributing to initiatives aligned with the Sustainable Development Goals (SDGs). Examples of these collaborations and activities are provided below:

Student volunteering programmes:

- **Universiti Malaya and NGO Malaysian Society of Soil Science Promote Sustainable Soil Management** **(Page 28)**
- **Law Students and NGO The Lost Food Project (TLFP) Unite for Sustainable Food Waste Management** **(Page 29)**
- **UM Engineering Students and NGO Global Peace Foundation Promote Sustainable STEM Education** **(Page 30)**
- **International Day of Peace: Student Volunteering and NGO Engagement** **(Page 31)**

Development of educational resources:

- **BahasaRia! Student Language Enrichment Programme in Collaboration with NGO Yayasan Chow Kit** **(Page 32)**
- **Teaching Trip to NGO Pure Life Society: SULAM Cyber Safety and Emotional Learning Programme** **(Page 33)**
- **C.A.R.E. "Hak Saya, Suara Saya!" SULAM Child Protection Workshop with NGO Childline Foundation** **(Page 34)**

Research programmes:

- **University collaboration with NGOs through research projects via the UM Living Lab grants** **(Page 35)**

Universiti Malaya and NGO Malaysian Society of Soil Science Promote Sustainable Soil Management

Universiti Malaya works closely with the Malaysian Society of Soil Science (MSSS), a professional non-governmental organisation focused on advancing soil science, sustainable land management, and environmental stewardship. The MSSS Management Committee 2024/2026 is led by President Dr. Rosazlin Abdullah from Universiti Malaya, alongside members from Universiti Putra Malaysia, Universiti Malaysia Terengganu, the Department of Agriculture (DOA), Forest Research Institute Malaysia (FRIM), Malaysian Agricultural Research and Development Institute (MARDI), and other institutions. This wide representation strengthens collaboration across academia, government, and industry.

Through joint programmes such as training courses, community engagement activities, and knowledge-sharing initiatives, the partnership supports student involvement, applied research, and practical learning. These activities provide exposure to sustainable farming practices and improve understanding of soil management among students, researchers, and local communities.

Overall, this collaboration strengthens knowledge exchange and supports more sustainable approaches to land use and agriculture.



Soil Assessment Project with MSSS

MSSS together with the Department of Agriculture Malaysia and Universiti Malaya, ran a two-day course on soil classification and assessment for agriculture on the 25-26th February 2025. About 35 participants from 13 organisations attended, including FGV R&D, RISDA Estates, MARDI, FRIM and several universities. The course covered Malaysia's soil classification, its 12 soil groups and 11 soil limitations, and gave hands-on exposure to three soil types with different limitations: stoniness, drainage and acid sulphate depth.

The Department of Agriculture has identified 359 soil series in Malaysia, and soil information for Peninsular Malaysia can be searched on its GeoTanih website. The organisers said proper soil assessment helps match crops to land, reduce crop failure and waste, and support more sustainable land management.



Law Students and NGO The Lost Food Project (TLFP) Unite for Sustainable Food Waste Management

A group of 13 first-year law students from UM collaborated with the NGO, The Lost Food Project (TLFP) and Persatuan Shenpen Malaysia to implement the community outreach programme "Sustainable Food Waste Management in Kuala Lumpur." The initiative was carried out on the 18th of August 2025 with the focus on collecting surplus vegetables from the Selayang Wholesale Market and redistributing them to vulnerable communities at Flat Hock Lock Mansion, including refugees, elderly residents, and low-income families. By engaging in hands-on volunteering and promoting legal literacy on the Food Donors Protection Act 2020, the students combined civic responsibility with practical education on sustainable food practices and climate-conscious consumption.



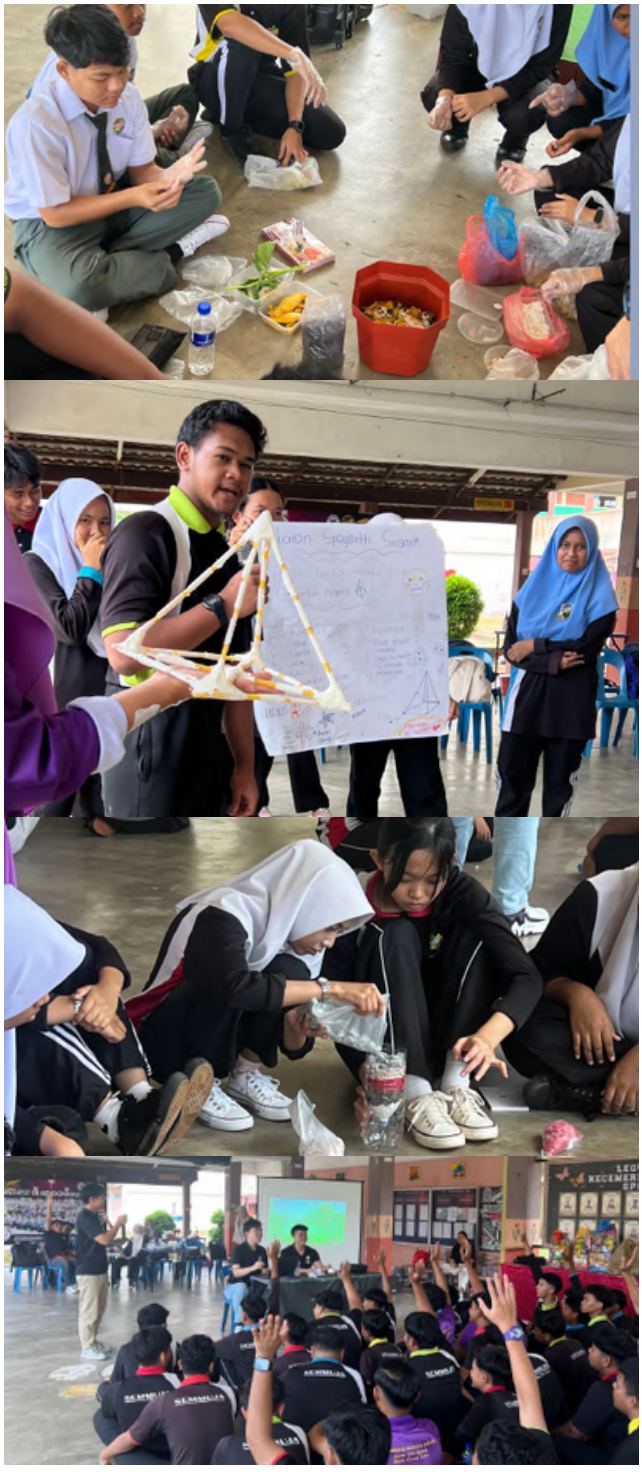


The programme exemplified the importance of partnerships between student initiatives and established NGOs in fostering environmental education. Beyond immediate food distribution, students analysed food waste data, identified nutrition gaps, and proposed policy improvements to enhance long-term food rescue efforts.

UM Engineering Students and NGO Global Peace Foundation Promote Sustainable STEM Education

Students from the Faculty of Engineering, Bachelor of Civil Engineering programme, Universiti Malaya, collaborated with the NGO, Global Peace Foundation (GPF) through the SULAM project “Bridging Knowledge: Engineering for Youth and Community Development” at SMK Muadzam Jaya, Muadzam Shah, Rompin, Pahang. The project addressed limited access to practical STEM learning opportunities among Form 4 students in the community by introducing hands-on activities related to sustainable engineering and community well-being.

Over two days in November 2025, UM students and the NGO facilitated interactive workshops and experiments covering renewable energy, water filtration, environmental sustainability and structural engineering, including DIY composting, the Spaghetti Seismic Challenge, a volcano experiment and a water filtration workshop. Through these activities, the school students developed practical STEM knowledge, problem-solving, teamwork and critical-thinking skills while gaining greater awareness of sustainable engineering solutions and environmental responsibility. The collaboration also provided UM students with opportunities to develop leadership, communication, project management and social responsibility skills through community engagement.



International Day of Peace: Student Volunteering and NGO Engagement

Universiti Malaya (UM) provided students with a volunteering opportunity to engage with NGOs, civil society organisations, other higher education institutions and community groups through participation in the International Day of Peace programme on 21 September 2025. Four UM students and a lecturer participated in the programme alongside representatives from Universiti Putra Malaysia (UPM), Brahma Kumaris Foundation, Sky Yoga, Soka Gakkai, PLS, UM Youth, SCI, HANDS, Mycom, Teleku Foundation, Universal Peace Council, as well as other community partners and programme organisers. The engagement provided students with opportunities to contribute to community-based activities promoting peace, harmony, inclusion and social responsibility, in alignment with SDG 16: Peace, Justice and Strong Institutions.

As student volunteers, participants took part in activities including Peace Art & Storytelling, interactive workshops, Tarian & Pergerakan Harmoni, planting of a "Peace Tree", the "Wheel of Fortune", kite activities, peace-themed songs, and sharing sessions on "Golden Rules" and "5 Doable Deeds". Through this engagement, students worked alongside external organisations and community stakeholders, gaining practical opportunities to contribute to initiatives that promote peace and social cohesion.

The programme demonstrates UM's collaboration with NGOs and civil society organisations through student volunteering, supporting community engagement and actions aligned with the Sustainable Development Goals.







BahasaRia! Student Language Enrichment Programme in Collaboration with NGO Yayasan Chow Kit

As part of Universiti Malaya's Service-Learning Malaysia–University for Society (SULAM) initiative, the "BahasaRia!" programme was organised by Year 1 students from the Department of Social Administration and Justice in collaboration with Yayasan Chow Kit, a non-profit organisation supporting children and young people from vulnerable communities. Conducted at the Pusat Aktiviti Kanak-kanak Yayasan Chow Kit on the 6th of June, the programme provided a platform for UM students to engage directly with children through educational and community-based activities.



The two-day programme aimed to nurture children's interest and confidence in the Malay language. To achieve this, students designed and developed a set of interactive and educational activities and learning resources inclusing language games, word-chain games, quizzes, storytelling, charades and vocabulary exercises. Students served as facilitators and programme organisers, working directly with participants throughout the activities and creating an engaging and supportive learning environment. This allowed students to apply their academic learning in a real community setting while developing communication, teamwork, empathy, civic responsibility and social awareness.

The programme addressed broader educational concerns including inclusive learning, language appreciation and youth empowerment, supporting SDG 4's aim of ensuring equal access to education for vulnerable groups (Target 4.5). Its student-led and experiential approach enabled participants to learn through active engagement rather than formal classroom instruction, while giving UM students practical experience in responding to community needs. The collaboration with Yayasan Chow Kit also strengthened the connection between university-based learning and community support, with students contributing educational activities that complemented the organisation's work with children, reflecting SDG 17's emphasis on partnerships with civil society (Target 17.17).

Teaching Trip to NGO Pure Life Society: SULAM Cyber Safety and Emotional Learning Programme

As part of the Service-Learning Malaysia–University for Society (SULAM) initiative, students from the Faculty of Education and Faculty of Law, Universiti Malaya, collaborated with Pure Life Society, a non-profit welfare organisation supporting children and young people from diverse backgrounds. The "Teaching Trip to Pure Life Society" on the 10th of September 2025 brought together 24 UM students and lecturers to deliver educational activities for 30 children aged 8 to 17 at the Society's welfare home in Puchong.



The programme combined the complementary expertise of Education and Law students to address digital safety and socio-emotional learning. Students jointly designed and developed educational modules for each topic. Law students delivered age-appropriate sessions on cyberbullying, cyber safety and related legal awareness, , supporting SDG 16's aim of ending violence against children (Target 16.2), while Education students conducted activities focused on emotional learning and the development of emotional awareness, supporting SDG 3's focus on mental health and well-being (Target 3.4). Participants were divided into primary and secondary age groups, with the student facilitators adapting their content and teaching approaches to suit different levels of understanding, so that the modules and resources were suited to each age group. The groups subsequently exchanged sessions, allowing both faculties to engage with different age groups and further adapt their educational approaches.

The collaboration provided UM students with practical experience in designing and delivering educational content for different age groups and applying their academic knowledge in a community setting. It also strengthened interdisciplinary learning between Law and Education students, who worked together to develop modules, facilitate activities and respond to different learner needs. For Pure Life Society, the partnership provided children at the welfare home with accessible educational activities addressing digital safety, cyberbullying prevention and emotional development.

C.A.R.E. “Hak Saya, Suara Saya!” SULAM Child Protection Workshop with NGO Childline Foundation

As part of Universiti Malaya’s Service-Learning Malaysia–University for Society (SULAM) initiative, the C.A.R.E. (Children’s Advocacy, Rights, and Empowerment): “Hak Saya, Suara Saya!” project was conducted through a collaboration between students from the Faculty of Education and Faculty of Law, Universiti Malaya, Parlimen Lembah Pantai and Childline Foundation, a non-profit organisation providing support and advocacy for children. The workshop was held on 18 May 2025 at Dewan Komuniti PPR Kerinchi and engaged children aged 7 to 17 from the local B40 community.







The project aimed to increase children’s awareness of sexual abuse, personal safety and their rights under the law, supporting SDG 16’s aim of ending abuse and violence against children (Target 16.2). To achieve this, students developed child-friendly educational content and a workshop module covering the differences between safe and unsafe touch, the “NO–GO–TELL” personal protection strategy, their right to refuse unsafe contact, and available avenues for seeking help and protection, including support from Childline Foundation. The module was delivered through role-playing, interactive talks, question-and-answer sessions, ice-breakers and assessment activities, allowing participants to engage actively with the subject matter

The collaboration brought together complementary expertise from the two UM faculties. Students from Early Childhood Education contributed to the development of the content and pedagogical approach, while Law students focused on child rights, advocacy and legal protection, so that the resources were both age-appropriate and legally grounded. Childline Foundation contributed to the programme through its engagement with participants and its role in providing information on support and assistance available to children reflecting SDG 17’s emphasis on partnerships with civil society (Target 17.17). The project was also supported by site visits, module discussions and several SULAM trials before implementation, which refined the educational resources before they were used with the children

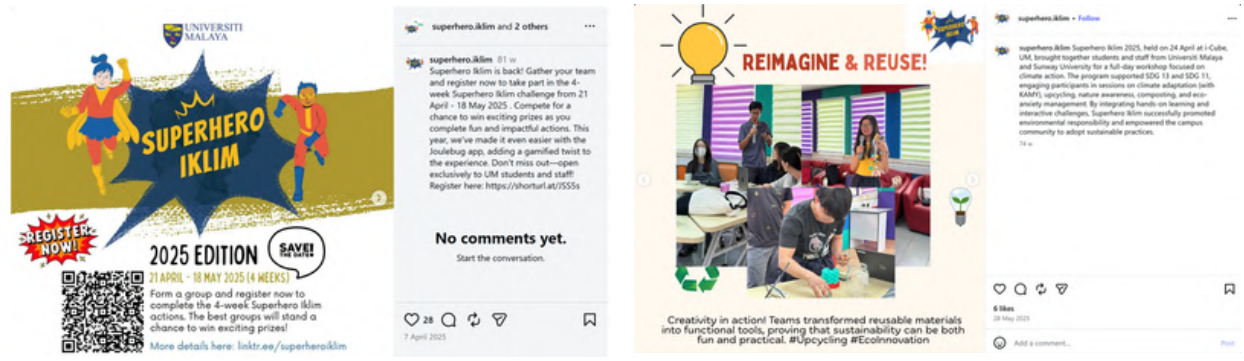
University collaboration with NGOs through research projects via the UM Living Lab grants

The UM Living Lab (UMLL) grant funds research projects that use the university as a living lab for sustainability. In its 2025 cycles, UMLL research teams worked with NGOs as technical, networking and linkage partners to align research methods with national practice and to take findings to communities.

Research projects with NGO partners in the 2025 UMLL cycles include:

- **Superhero Iklim 2.0**: gamified climate change mitigation campaign (LL2024JNZ003). Klima Action Malaysia (KAMY), a youth-led climate advocacy NGO, delivered the Climate Adaptation training in the project's workshop on 24 April 2025.
- **EMPOWER**: safe disposal of unused medicines through community pharmacies (LL2025JNZ011). This research project on community medicine-return worked with three NGOs: the Malaysian Pharmacists Society (MPS), a networking partner in building the base for community medicine-return work; the Alpro Foundation, a linkage partner, with the team running a Safe Medications Disposal Booth on 3–5 October 2025 in Seremban; and United for Global Antimicrobial Stewardship (UGAS), a linkage partner on community medicine-return and awareness work.
- **Learning and making carbon visible**: Mercu Alam Bina operational and whole-life carbon (LL2025JNZ021). The research team aligned the campus carbon assessment with national methods in partnership with the Malaysia Green Building Council (MGBC), a non-profit green building council, under an existing MoU.

These projects highlight UM's researchers' work directly with NGOs to align methods with national practice and to bring research findings to communities.



06 Education for SDGs commitment to meaningful education

Universiti Malaya is committed to meaningful education on the Sustainable Development Goals (SDGs) that is relevant and applicable to all students across the university. This commitment is reflected in the way sustainability and the SDGs are embedded into the curriculum, learning activities and student experiences, so that every student, regardless of discipline, has the opportunity to build the knowledge, skills and values needed to contribute to sustainable development.

Examples of these programmes and initiatives are provided below:

- **UM's Commitment to Meaningful Education for SDGs across the university via Full Curriculum Review Exercise** **(Page 37)**
- **Integrating SDGs across full curriculum** **(Page 38-51)**
- **Integrating SDGs through UM's Student Holistic Empowerment Courses** **(Page 52)**
- **Campus Sustainability Final Year Project (FYP SDG@UM) on SDGs for Just Net Zero and Urban Sustainability** **(Page 53-54)**

UM's Commitment to Meaningful Education for SDGs across the university via Full Curriculum Review Exercise

Universiti Malaya (UM) is deeply committed to delivering meaningful education around the Sustainable Development Goals (SDGs) to every student, regardless of the faculty, level or field of study. This commitment responds directly to SDG 4 (Quality Education), particularly Target 4.7, which calls for all learners to gain the knowledge and skills needed to promote sustainable development.



GLOBAL SUSTAINABILITY AGENDA:
***EDUCATION FOR SUSTAINABILITY DEVELOPMENT* (ESD)**

NAME OF ACADEMIC PROGRAMME:	
DEPARTMENT / FACULTY:	

ESD COMPETENCIES	COURSE CODE
1. Systems thinking competency	
2. Anticipatory competency (Future thinking)	
3. Critical thinking competency	
4. Strategic competency	
5. Collaboration competency	
6. Integrated problem-solving competency	
7. Self-awareness competency	
8. Normative competency	

Remarks:
1. Fill in the "Course Code" column. If there is more than one course, list all courses, separating them with commas.
2. All ESD competencies must be addressed.
   a. For the **diploma** programmes, the **"Self-awareness competency"** is addressed in **KIAR**.
   b. For the **undergraduate** programmes, the **"System Thinking competency"** is addressed by **GIG1003**, while the **"Self-awareness competency"** is addressed by **KIAR**.
   c. Addressing at least one (1) of the ESD competencies is required for the **postgraduate** programmes.

Update: 27 September 2024

Through a full curriculum review led by the Academic Strategic Planning Department (ASPD) and the Quality Management and Enhancement Department (QMED), UM is embedding Education for Sustainable Development (ESD) into all academic programmes across the university.

Every course is being designed, reviewed, and enhanced to build ESD competencies that equip students to address challenges across all 17 SDGs so that SDG learning is relevant to each discipline and applicable to all students. Whether they are studying medicine, engineering, law or the arts, students develop the same core ESD competencies:

- Systems thinking
- Anticipatory (future-focused) thinking
- Critical analysis
- Strategic planning
- Collaboration
- Integrated problem-solving
- Self-awareness
- Ethical (normative) reasoning

Through the integration of SDGs as part of everyday teaching and learning rather than an optional add-on, UM ensures that every graduate leaves equipped to drive sustainable solutions and make a meaningful impact on global challenges.

Integrating SDGs across full curriculum

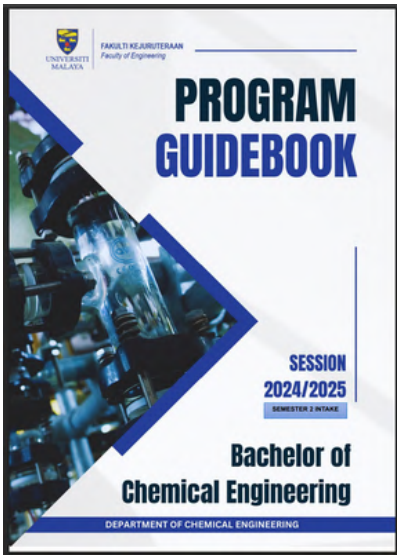
UM embeds sustainability education directly into the degree programmes offered to students. Education for SDGs are not limited to elective or stand-alone offerings. Alongside its university-wide compulsory courses, **faculties include mandatory, credit-bearing courses on the SDGs and sustainability** in their own disciplines. All students in these faculties and programmes must take the course(s), and each course applies sustainability to the decisions graduates will make in their profession.

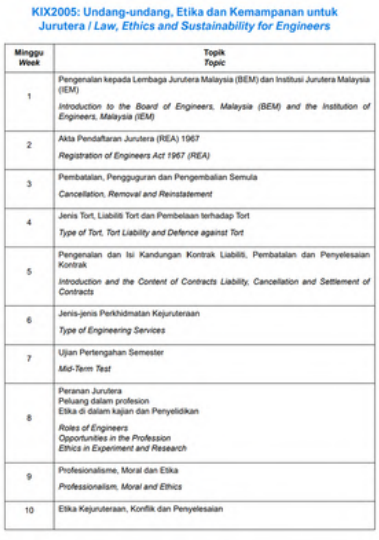
Science domain example from the Faculty of Engineering:

- **KIX2005: Law, Ethics and Sustainability for Engineers** (Faculty of Engineering, mandatory): This course combines the legal, ethical and sustainability responsibilities of the engineering profession. The first half covers the Registration of Engineers Act 1967, professional liability, contracts, the roles of engineers, and ethics in research and practice (SDG 16). The sustainability component follows in the later weeks:
  - Week 11 introduces sustainability and its pillars, with food security, environmental (air and water) security and industrial case studies (SDG 2, SDG 6).
  - Week 12 covers Life Cycle Assessment (LCA) and the Sustainable Development Goals (SDG 12, SDG 13).
  - Week 13 covers green engineering in processes, materials and buildings (SDG 9, SDG 12).

Engineering students therefore learn to assess the environmental impact of products and processes over their life cycle and to connect their work to the SDG framework.

(Page 51-52 of the Program Guidebook)





KIX2005: Undang-undang, Etika dan Kemampanan untuk Jurutera / *Law, Ethics and Sustainability for Engineers*

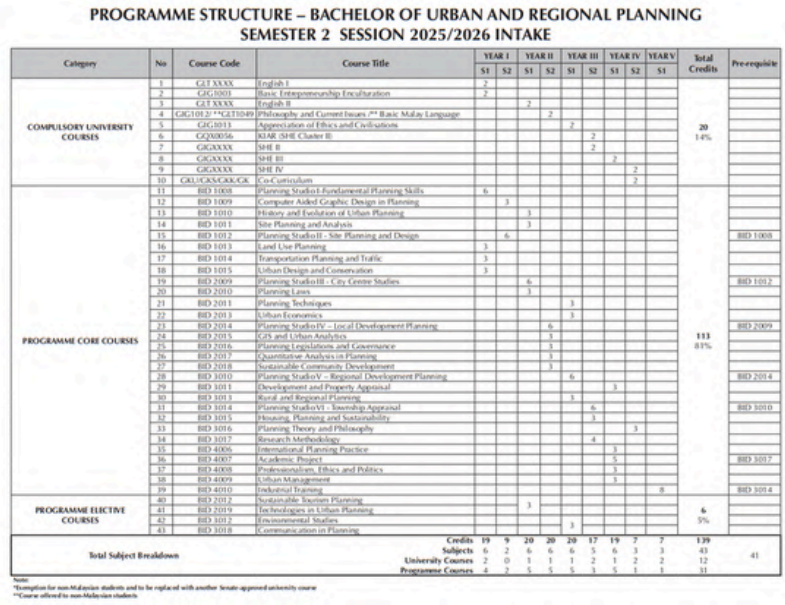
Minggu *Week*	Topik *Topic*
1	Pengenalan kepada Lembaga Jurutera Malaysia (BEM) dan Institusi Jurutera Malaysia (IEM) *Introduction to the Board of Engineers, Malaysia (BEM) and the Institution of Engineers, Malaysia (IEM)*
2	Akta Pendaftaran Jurutera (REA) 1967 *Registration of Engineers Act 1967 (REA)*
3	Pembatalan, Pengguguran dan Pengembalian Semula *Cancellation, Removal and Reinstatement*
4	Jenis Tort, Liabiliti Tort dan Pembelaan terhadap Tort *Type of Tort, Tort Liability and Defence against Tort*
5	Pengenalan dan Isi Kandungan Kontrak Liabiliti, Pembatalan dan Penyelesaian Kontrak *Introduction and the Content of Contracts Liability, Cancellation and Settlement of Contracts*
6	Jenis-jenis Perkhidmatan Kejuruteraan *Type of Engineering Services*
7	Ujian Pertengahan Semester *Mid-Term Test*
8	Peranan Jurutera Peluang dalam profesion Etika di dalam kajian dan Penyelidikan *Roles of Engineers* *Opportunities in the Profession* *Ethics in Experiment and Research*
9	Profesionalisme, Moral dan Etika *Professionalism, Moral and Ethics*
10	Etika Kejuruteraan, Konflik dan Penyelesaian *Engineering Ethics, Conflict and Resolution*
11	Pengenalan kepada Kelestarian, Rukun Kelestarian, Keselamatan Makanan, Alam Sekitar (udara dan air), Kajian Kes Industri *Introduction to Sustainability, Pillars of Sustainability, Food Security, Environmental (air and water) Security, Industrial Case Studies*
12	Penilaian Kitaran Hayat (LCA) dan Matlamat Pembangunan Mampan (SDG) *Life Cycle Assessment (LCA) and Sustainable Development Goals (SDG)*
13	Kejuruteraan Hijau (proses, bahan, bangunan, dll.) *Green Engineering (processes, materials, buildings, etc.)*
14	Rumusan Kursus *The Course Wrap Up*

Social science domain example from the Faculty of Built Environment:

- **BID 2018: Sustainable Community Development** (Faculty of Built Environment, mandatory, 3 credits): This course introduces the concept, process and method of sustainable community development through planning and physical development. Students learn to identify community needs so that development does not undermine a community's sustainability, and they study development strategies through physical planning, from policy-making down to implementation through planning conditions and guidelines (SDG 11). By the end of the course, students are able to:
  - Explain the concept and importance of sustainable community development.
  - Apply methods and techniques in community needs assessment and public consultation (SDG 11, target 11.3 on participatory planning).
  - Elaborate strategies of sustainable community development through a physical planning framework.

The course is assessed through 60% continuous assessment and 40% final examination, so sustainability is a graded part of the programme.

Together, these courses show that sustainability and SDG learning at UM is part of the core curriculum of its programmes. There are various courses that embed sustainability span the university, and Engineering and Built Environment illustrate a pattern seen in every academic entity. Engineering students study LCA, the SDGs and green engineering as part of their professional ethics training, and Built Environment students learn sustainable community planning from policy to implementation. In both cases, sustainability is a required part of the degree, not an optional extra.



PROGRAMME STRUCTURE – BACHELOR OF URBAN AND REGIONAL PLANNING
SEMESTER 2 SESSION 2025/2026 INTAKE

Category	No	Course Code	Course Title	YEAR I		YEAR II		YEAR III		YEAR IV		YEAR V	Total Credits	Pre-requisite
				S1	S2	S1	S2	S1	S2	S1	S2	S1		
COMPULSORY UNIVERSITY COURSES	1	GLT XXXX	English I	2										
	2	GIG1003	Basic Entrepreneurship Enculturation	2										
	3	GLT XXXX	English II			2								
	4	GIG1012 **/GLT1049	Philosophy and Current Issues /** Basic Malay Language				2							
	5	GIG1013	Appreciation of Ethics and Civilisations					2					20 14%	
	6	GQX0056	KIAR (SHE Cluster II)						2					
	7	GIGXXXX	SHE II						2					
	8	GIGXXXX	SHE III							2				
	9	GIGXXXX	SHE IV								2			
	10	GKU/GKS/GKK/GK	Co-Curriculum								2			
PROGRAMME CORE COURSES	11	BID 1008	Planning Studio I-Fundamental Planning Skills	6										
	12	BID 1009	Computer Aided Graphic Design in Planning		3									
	13	BID 1010	History and Evolution of Urban Planning			3								
	14	BID 1011	Site Planning and Analysis			3								
	15	BID 1012	Planning Studio II - Site Planning and Design		6									BID 1008
	16	BID 1013	Land Use Planning	3										
	17	BID 1014	Transportation Planning and Traffic	3										
	18	BID 1015	Urban Design and Conservation	3										
	19	BID 2009	Planning Studio III - City Centre Studies			6								BID 1012
	20	BID 2010	Planning Laws			3								
	21	BID 2011	Planning Techniques					3						
	22	BID 2013	Urban Economics					3						
	23	BID 2014	Planning Studio IV – Local Development Planning				6							BID 2009
	24	BID 2015	GIS and Urban Analytics				3						113 83%	
	25	BID 2016	Planning Legislations and Governance				3							
	26	BID 2017	Quantitative Analysis in Planning				3							
	27	BID 2018	Sustainable Community Development				3							
	28	BID 3010	Planning Studio V – Regional Development Planning					6						BID 2014
	29	BID 3011	Development and Property Appraisal						3					
	30	BID 3013	Rural and Regional Planning					3						
	31	BID 3014	Planning Studio VI – Township Appraisal						6					BID 3010
	32	BID 3015	Housing, Planning and Sustainability						3					
	33	BID 3016	Planning Theory and Philosophy							3				
	34	BID 3017	Research Methodology						4					
	35	BID 4006	International Planning Practice							3				
	36	BID 4007	Academic Project							5				BID 3017
	37	BID 4008	Professionalism, Ethics and Politics							3				
	38	BID 4009	Urban Management							3				
	39	BID 4010	Industrial Training									8		BID 3014
PROGRAMME ELECTIVE COURSES	40	BID 2012	Sustainable Tourism Planning			3							6 5%	
	41	BID 2019	Technologies in Urban Planning											
	42	BID 3012	Environmental Studies					3						
	43	BID 3018	Communication in Planning											
Total Subject Breakdown			Credits	19	9	20	20	20	17	19	7	7	139	
			Subjects	6	2	6	6	6	5	6	3	3	43	41
			University Courses	2	0	1	1	1	2	1	2	2	12	
			Programme Courses	4	2	5	5	5	3	5	1	1	31	

Note:
*Exemption for non-Malaysian students and to be replaced with another Senate-approved university course
**Course offered to non-Malaysian students

BID 2018 **SUSTAINABLE COMMUNITY DEVELOPMENT**

3 credits

Synopsis of Course Contents

The course introduces the concept, process and method of sustainable community development through planning and physical development. It also provides an exposure to the students on the importance of identification of community needs in order to ensure that the sustainability of a community is not impacted by development. Students will also learn on the community development strategies through physical planning from the macro level which is at the policy making level right to the implementation level through the adoption of planning conditions and guidelines.

Learning Outcomes

At the end of the course, students are able to:

1. Explain the concept and importance of sustainable community development;
2. Apply the methods and techniques in community needs assessment and public consultation; and
3. Elaborate the strategies of sustainable community development through a physical planning framework.

Assessment:

Continuous Assessment	60%
Final Examination	40%

Examples of courses embedding elements of sustainability offered in Universiti Malaya:

No.	Faculty	Level	Educational Programs Offered Related to Sustainability
1	**FACULTY OF ARTS AND SOCIAL SCIENCES (FASS)** Total program: 30	Undergraduate (12)	1. SARJANA MUDA GEOGRAFI 2. SARJANA MUDA PENGAJIAN ALAM SEKITAR 3. SARJANA MUDA PENGAJIAN ASIA TIMUR 4. SARJANA MUDA PENGAJIAN MEDIA 5. SARJANA MUDA PENTADBIRAN SOSIAL 6. SARJANA MUDA SASTERA ANTROPOLOGI DAN SOSIOLOGI 7. SARJANA MUDA SASTERA INGGERIS 8. SARJANA MUDA SASTERA PENGAJIAN ANTARABANGSA DAN STRATEGIK 9. SARJANA MUDA SASTERA PENGAJIAN ASIA TENGGARA 10. SARJANA MUDA SASTERA PENGAJIAN CINA 11. SARJANA MUDA SASTERA PENGAJIAN INDIA 12. SARJANA MUDA SASTERA SEJARAH
		Postrgaduate (12)	1. DOKTOR FALSAFAH 2. SARJANA PENGAJIAN CINA 3. SARJANA PENGAJIAN GENDER 4. SARJANA PENGAJIAN MEDIA 5. SARJANA SAINS PERPUSTAKAAN DAN MAKLUMAT 6. SARJANA SASTERA 7. SARJANA SASTERA (KESUSASTERAAN INGGERIS) 8. SARJANA SASTERA (PENGAJIAN ASIA TENGGARA)

Examples of courses embedding elements of sustainability offered in Universiti Malaya:

			9. SARJANA SASTERA (PENGAJIAN PENERBITAN) 10. SARJANA SASTERA (PENGAJIAN STRATEGIK DAN PERTAHANAN) 11. SARJANA SASTERA (SEJARAH ASIA TENGGARA) 12. SARJANA SASTERA (SEJARAH MALAYSIA)
2	**FACULTY OF BUSINESS AND ECONOMICS (FBE)** Total program: 17	Undergraduate (4)	1. SARJANA MUDA EKONOMI 2. SARJANA MUDA KEWANGAN 3. SARJANA MUDA PENTADBIRAN PERNIAGAAN 4. SARJANA MUDA PERAKAUNAN
		Postgraduate (13)	1. DOKTOR FALSAFAH 2. DOKTOR PENGURUSAN 3. DOKTOR PENTADBIRAN PERNIAGAAN 4. SARJANA EKONOMI 5. SARJANA PEMASARAN 6. SARJANA PENGAJIAN PEMBANGUNAN 7. SARJANA PENGURUSAN 8. SARJANA PENTADBIRAN AWAM 9. SARJANA PENTADBIRAN PERNIAGAAN 10. SARJANA PERAKAUNAN (AKAUNTABILITI PELAPORAN DAN PE 11. SARJANA PERAKAUNAN (AKAUNTABILITI PELAPORAN DAN PENGURUSAN) 12. SARJANA POLISI AWAM 13. SARJANA STATISTIK GUNAAN
3	**FACULTY OF BUILT ENVIRONMENT (FAB)** Total program: 12	Undergraduate (5)	1. SARJANA MUDA HARTA TANAH 2. SARJANA MUDA PERANCANGAN BANDAR DAN WILAYAH 3. SARJANA MUDA SAINS SENI BINA 4. SARJANA MUDA UKUR BAHAN 5. SARJANA MUDA UKUR BANGUNAN
		Postgraduate (7)	1. DOKTOR FALSAFAH 2. SARJANA ALAM BINA 3. SARJANA ALAM BINA 4. SARJANA HARTA TANAH 5. SARJANA PENGURUSAN FASILITI DAN PENYENGGARAAN 6. SARJANA PENGURUSAN PROJEK

Examples of courses embedding elements of sustainability offered in Universiti Malaya:

			7. SARJANA SENIBINA
4	**FACULTY OF DENTISTRY** Total program: 13	Undergraduate (1)	1. SARJANA MUDA PEMBEDAHAN PERGIGIAN
		Postgraduate (12)	1. DOKTOR FALSAFAH 2. DOKTOR KESIHATAN AWAM PERGIGIAN 3. DOKTOR ORTODONTIK 4. DOKTOR PATOLOGI MAKSILOFASIAL MULUT DAN PERUBATAN MULUT 5. DOKTOR PERGIGIAN PEDIATRIK 6. DOKTOR PERGIGIAN PENJAGAAN KHAS 7. DOKTOR PERGIGIAN RESTORATIF 8. DOKTOR PERIODONTOLOGI 9. DOKTOR PROSTODONTIK 10. SARJANA KESIHATAN ORAL KOMUNITI 11. SARJANA SAINS ORAL 12. SARJANA SAINS PERGIGIAN
5	**ACADEMY OF ISLAMIC STUDIES** Total program: 29	Undergraduate (11)	1. SARJANA MUDA AL-QURAN DAN AL-HADITH 2. SARJANA MUDA PENDIDIKAN ISLAM 3. SARJANA MUDA PENDIDIKAN ISLAM (PENGAJIAN ALQURAN) 4. SARJANA MUDA PENDIDIKAN ISLAM (PENGAJIAN ISLAM) 5. SARJANA MUDA PENGAJIAN ISLAM DAN SAINS 6. SARJANA MUDA PENGAJIAN ISLAM DAN TEKNOLOGI MAKLUMAT 7. SARJANA MUDA PENGURUSAN MUAMALAT 8. SARJANA MUDA SYARIAH 9. SARJANA MUDA SYARIAH DAN UNDANG-UNDANG 10. SARJANA MUDA USULUDDIN 11. SARJANA MUDA USULUDDIN (DAKWAH DAN PEMBANGUNAN INSAN)
		Postgraduate (18)	1. DOKTOR FALSAFAH 2. SARJANA AL-QURAN DAN AL-HADITH 3. SARJANA PEMBANGUNAN DAKWAH 4. SARJANA PENGAJIAN ISLAM

Examples of courses embedding elements of sustainability offered in Universiti Malaya:

			5. SARJANA PENGURUSAN DAN KEWANGAN ISLAM 6. SARJANA PENGURUSAN HALAL 7. SARJANA SYARIAH 8. SARJANA SYARIAH (EKONOMI ISLAM) 9. SARJANA SYARIAH (FIQH DAN USUL) 10. SARJANA SYARIAH (PENGAJIAN KONTEMPORARI) 11. SARJANA SYARIAH (PENGURUSAN DAN KEWANGAN ISLAM) 12. SARJANA SYARIAH (UNDANG-UNDANG SYARIAH) 13. SARJANA USULUDDIN 14. SARJANA USULUDDIN (AKIDAH DAN PEMIKIRAN ISLAM) 15. SARJANA USULUDDIN (AL-QURAN DAN AL-HADITH) 16. SARJANA USULUDDIN (DAKWAH DAN PEMBANGUNAN INSAN) 17. SARJANA USULUDDIN (PEMIKIRAN DAN PERADABAN ISLAM) 18. SARJANA USULUDDIN (SEJARAH DAN TAMADUN ISLAM)
6	**ACADEMY OF MALAY STUDIES** Total program: 7	Undergraduate (4)	1. SARJANA MUDA BAHASA MELAYU PROFESIONAL 2. SARJANA MUDA KESUSASTERAAN MELAYU 3. SARJANA MUDA LINGUISTIK MELAYU 4. SARJANA MUDA PENGAJIAN MELAYU
		Postgraduate (3)	1. DOKTOR FALSAFAH 2. SARJANA PENGAJIAN MELAYU 3. SARJANA SASTERA PENGAJIAN MELAYU
7	**FACULTY OF ENGINEERING** Total program: 12	Undergraduate (5)	1. SARJANA MUDA KEJURUTERAAN AWAM 2. SARJANA MUDA KEJURUTERAAN BIOPERUBATAN 3. SARJANA MUDA KEJURUTERAAN ELEKTRIK 4. SARJANA MUDA KEJURUTERAAN KIMIA

Examples of courses embedding elements of sustainability offered in Universiti Malaya:

			5. SARJANA MUDA KEJURUTERAAN MEKANIK
		Postgraduate (7)	1. DOKTOR FALSAFAH 2. SARJANA KEJURUTERAAN BIOPERUBATAN 3. SARJANA KEJURUTERAAN KESELAMATAN JALAN RAYA 4. SARJANA KEJURUTERAAN KESELAMATAN, KESIHATAN DAN ALAM SEKITAR 5. SARJANA KEJURUTERAAN MEKANIKAL 6. SARJANA KEJURUTERAAN SISTEM 7. SARJANA SAINS KEJURUTERAAN
8	**FACULTY OF LAW** Total program: 6	Undergraduate (1)	1. SARJANA MUDA UNDANG-UNDANG
		Postgraduate (5)	1. DOKTOR FALSAFAH 2. SARJANA PENGADILAN JENAYAH 3. SARJANA PENGAJIAN PERUNDANGAN 4. SARJANA UNDANG-UNDANG 5. SARJANA UNDANG-UNDANG KOMERSIAL
9	**FACULTY OF MEDICINE** Total program: 37	Undergraduate (3)	1. SARJANA MUDA PERUBATAN DAN SARJANA MUDA PEMBEDAHAN 2. SARJANA MUDA SAINS BIOPERUBATAN 3. SARJANA MUDA SAINS KEJURURAWATAN
		Postgraduate (34)	1. DOKTOR FALSAFAH 2. DOKTOR KESIHATAN AWAM 3. SARJANA ANESTESIOLOGI 4. SARJANA EPIDEMIOLOGI 5. SARJANA ETIKA PENYELIDIKAN KESIHATAN 6. SARJANA FIZIK PERUBATAN 7. SARJANA KESIHATAN AWAM 8. SARJANA NEUROSURGERI 9. SARJANA OBSTETRIKS DAN GINEKOLOGI 10. SARJANA OFTALMOLOGI 11. SARJANA ONKOLOGI KLINIKAL 12. SARJANA OTORINOLARINGOLOGI - SURGERI KEPALA & LEHER 13. SARJANA OTORINOLARINGOLOGI - SURGERI KEPALA &LEHER

Examples of courses embedding elements of sustainability offered in Universiti Malaya:

			14. SARJANA PARASITOLOGI DAN ENTOMOLOGI PERUBATAN 15. SARJANA PATOLOGI (HEMATOLOGI) 16. SARJANA PATOLOGI (MIKROBIOLOGI PERUBATAN) 17. SARJANA PATOLOGI (PATOLOGI ANATOMIK) 18. SARJANA PATOLOGI (PATOLOGI FORENSIK) 19. SARJANA PATOLOGI (PATOLOGI KIMIA) 20. SARJANA PEDIATRIK 21. SARJANA PEMBEDAHAN KANAK-KANAK 22. SARJANA PENDIDIKAN PERUBATAN 23. SARJANA PERUBATAN DALAMAN 24. SARJANA PERUBATAN KECEMASAN 25. SARJANA PERUBATAN KELUARGA 26. SARJANA PERUBATAN PEMULIHAN 27. SARJANA PERUBATAN PSIKOLOGI 28. SARJANA PERUBATAN SUKAN 29. SARJANA RADIOLOGI 30. SARJANA SAINS KEJURURAWATAN 31. SARJANA SAINS PERUBATAN 32. SARJANA SAINS PERUBATAN (PERUBATAN REGENERATIF) 33. SARJANA SURGERI 34. SARJANA SURGERI ORTOPEDIK
10	**FACULTY OF PHARMACY** Total program: 7	Undergraduate (2)	1. SARJANA MUDA FARMASI (KEPUJIAN) 2. SARJANA MUDA FARMASI DENGAN KEPUJIAN
		Postrgaduate (5)	1. DOKTOR FALSAFAH 2. SARJANA PERUNDANGAN FARMASEUTIKAL DAN KAWALAN REGULATORI 3. SARJANA SAINS FARMASEUTIKAL DALAM PENEMUAN DAN PEMBANGUNAN DRUG 4. SARJANA SAINS FARMASI 5. SARJANA SAINS PERUBATAN

Examples of courses embedding elements of sustainability offered in Universiti Malaya:

11	**FACULTY OF EDUCATION** Total program: 31	Undergraduate (3)	1. SARJANA MUDA KAUNSELING 2. SARJANA MUDA PENDIDIKAN AWAL KANAK-KANAK 3. SARJANA MUDA PENDIDIKAN PENGAJARAN BAHASA INGGERIS SEBAGAI BAHASA KEDUA
		Postgraduate (28)	1. DIPLOMA PASCASISWAZAH PENDIDIKAN 2. DOKTOR FALSAFAH 3. SARJANA KAUNSELING PROFESIONAL 4. SARJANA KEPIMPINAN DAN PENGURUSAN PENDIDIKAN 5. SARJANA KEPIMPINAN PENDIDIKAN 6. SARJANA PENDIDIKAN 7. SARJANA PENDIDIKAN (PENDIDIKAN AWAL KANAK KANAK) 8. SARJANA PENDIDIKAN (PENDIDIKAN KHAS) 9. SARJANA PENDIDIKAN (PERANCANGAN & PENTADBIRAN) 10. SARJANA PENDIDIKAN (PERKEMBANGAN KURIKULUM) 11. SARJANA PENDIDIKAN (PSIKOLOGI PENDIDIKAN) 12. SARJANA PENDIDIKAN (SOSIOLOGI PENDIDIKAN) 13. SARJANA PENDIDIKAN AWAL KANAK-KANAK 14. SARJANA PENDIDIKAN BAHASA ARAB 15. SARJANA PENDIDIKAN BAHASA INGGERIS SEBAGAI BAHASA KEDUA 16. SARJANA PENDIDIKAN BAHASA MELAYU 17. SARJANA PENDIDIKAN ISLAM 18. SARJANA PENDIDIKAN JASMANI DAN KESIHATAN 19. SARJANA PENDIDIKAN KEMANUSIAAN 20. SARJANA PENDIDIKAN KHAS 21. SARJANA PENDIDIKAN MATEMATIK DENGAN TEKNOLOGI

Examples of courses embedding elements of sustainability offered in Universiti Malaya:

			22. SARJANA PENDIDIKAN SAINS DENGAN TEKNOLOGI MAKLUMAT 23. SARJANA PENDIDIKAN SENI VISUAL 24. SARJANA PENGUKURAN DAN PENTAKSIRAN 25. SARJANA PENGURUSAN PENDIDIKAN 26. SARJANA PSIKOLOGI PENDIDIKAN 27. SARJANA TEKNOLOGI PENDIDIKAN 28. SARJANA TEKNOLOGI PENGAJARAN (REKA BENTUK PENGAJAR
12	**FACULTY OF CREATIVE ARTS (FSK)** Total program: 10	Undergraduate (4)	1. SARJANA MUDA DRAMA 2. SARJANA MUDA MUZIK 3. SARJANA MUDA SENI PERSEMBAHAN 4. SARJANA MUDA TARI
		Postgraduate (6)	1. DOKTOR FALSAFAH 2. SARJANA KESENIAN 3. SARJANA KESENIAN (SENI RUPA) 4. SARJANA SENI PERSEMBAHAN (DRAMA) 5. SARJANA SENI PERSEMBAHAN (MUZIK) 6. SARJANA TARI
13	**FACULTY OF SCIENCE** Total program: 35	Undergraduate (18)	1. SARJANA MUDA SAINS (SAINS BAHAN) 2. SARJANA MUDA SAINS AKTUARI 3. SARJANA MUDA SAINS BIOINFORMATIK 4. SARJANA MUDA SAINS BIOKIMIA 5. SARJANA MUDA SAINS BIOTEKNOLOGI 6. SARJANA MUDA SAINS DENGAN PENDIDIKAN 7. SARJANA MUDA SAINS EKOLOGI DAN BIODIVERSITI 8. SARJANA MUDA SAINS FIZIK 9. SARJANA MUDA SAINS GEOLOGI 10. SARJANA MUDA SAINS GEOLOGI GUNAAN 11. SARJANA MUDA SAINS KIMIA

Examples of courses embedding elements of sustainability offered in Universiti Malaya:

			12. SARJANA MUDA SAINS KIMIA GUNAAN 13. SARJANA MUDA SAINS MATEMATIK 14. SARJANA MUDA SAINS MATEMATIK GUNAAN 15. SARJANA MUDA SAINS MIKROBIOLOGI DAN GENETIK MOLEKUL 16. SARJANA MUDA SAINS PENGAJIAN SAINS DAN TEKNOLOGI 17. SARJANA MUDA SAINS PENGURUSAN ALAM SEKITAR 18. SARJANA MUDA SAINS STATISTIK
		Postgraduate (17)	1. DOKTOR FALSAFAH 2. DOKTOR FALSAFAH (FIZIK/BIOLOGI/KIMIA/GEOLOGI) 3. DOKTOR FALSAFAH (MATEMATIK, SAINS & TEKNOLOGI) 4. SARJANA BIOINFORMATIK 5. SARJANA GEOSAINS PETROLEUM 6. SARJANA KOMUNIKASI SAINS DAN KETERLIBATAN AWAM 7. SARJANA SAINS 8. SARJANA SAINS (BIOTEKNOLOGI) 9. SARJANA SAINS (FIZIK/BIOLOGI/KIMIA & GEOLOGI) 10. SARJANA SAINS (TEKNOLOGI PENGURUSAN ALAM SEKITAR) 11. SARJANA SAINS BIOTEKNOLOGI 12. SARJANA SAINS FIZIK GUNAAN 13. SARJANA SAINS KELESTARIAN 14. SARJANA SAINS KIMIA ANALISIS BERALATAN 15. SARJANA SAINS PERLINDUNGAN TANAMAN 16. SARJANA SAINS STATISTIK 17. SARJANA TEKNOLOGI PENGURUSAN ALAM SEKITAR
14	**FACULTY OF LANGUAGES AND LINGUISTICS (FBL)**	Undergraduate (9)	1. SARJANA MUDA BAHASA DAN LINGUISTIK ARAB 2. SARJANA MUDA BAHASA DAN LINGUISTIK CINA

Examples of courses embedding elements of sustainability offered in Universiti Malaya:

	Total program: 12		3. SARJANA MUDA BAHASA DAN LINGUISTIK INGGERIS 4. SARJANA MUDA BAHASA DAN LINGUISTIK ITALI 5. SARJANA MUDA BAHASA DAN LINGUISTIK JEPUN 6. SARJANA MUDA BAHASA DAN LINGUISTIK JERMAN 7. SARJANA MUDA BAHASA DAN LINGUISTIK PERANCIS 8. SARJANA MUDA BAHASA DAN LINGUISTIK SEPANYOL 9. SARJANA MUDA BAHASA DAN LINGUISTIK TAMIL
		Postgraduate (3)	1. DOKTOR FALSAFAH 2. SARJANA PENGAJIAN BAHASA INGGERIS 3. SARJANA SASTERA (LINGUISTIK)
15	**FACULTY OF SPORTS AND EXERCISE SCIENCE** Total program: 8	Undergraduate (4)	1. SARJANA MUDA PENGURUSAN SUKAN 2. SARJANA MUDA SAINS EKSESAIS 3. SARJANA MUDA SAINS SUKAN (SAINS EKSESAIS) 4. SARJANA MUDA SAINS SUKAN PENGURUSAN SUKAN
		Postgraduate (4)	1. DOKTOR FALSAFAH 2. SARJANA KEKUATAN DAN SUAIAN FIZIKAL 3. SARJANA PENTADBIRAN DAN KEPIMPINAN SUKAN 4. SARJANA SAINS SUKAN
16	**FACULTY OF COMPUTER SCIENCE AND INFORMATION TECHNOLOGY** Total program: 14	Undergraduate (7)	1. SARJANA MUDA SAINS KOMPUTER (KEJURUTERAAN PERISIAN) 2. SARJANA MUDA SAINS KOMPUTER (KEPINTARAN BUATAN) 3. SARJANA MUDA SAINS KOMPUTER (PENGKOMPUTERAN MULTIMEDIA) 4. SARJANA MUDA SAINS KOMPUTER (SAINS DATA) 5. SARJANA MUDA SAINS KOMPUTER (SISTEM DAN RANGKAIAN KOMPUTER) 6. SARJANA MUDA SAINS KOMPUTER (SISTEM MAKLUMAT)

Examples of courses embedding elements of sustainability offered in Universiti Malaya:

			7. SARJANA MUDA TEKNOLOGI MAKLUMAT (MULTIMEDIA)
		Postgraduate (7)	1. DOKTOR FALSAFAH 2. SARJANA KEJURUTERAAN PERISIAN (TEKNOLOGI PERISIAN) 3. SARJANA KEPINTARAN BUATAN 4. SARJANA KESELAMATAN SIBER 5. SARJANA SAINS DATA 6. SARJANA SAINS KOMPUTER 7. SARJANA SAINS KOMPUTER (PENGKOMPUTERAN GUNAAN)
17	**INSTITUTE FOR ADVANCED STUDIES (IAS)** Total program: 9	Postgraduate (9)	1. DOKTOR FALSAFAH 2. DOKTOR FALSAFAH (SAINS) 3. DOKTOR FALSAFAH (SASTERA) 4. DOKTOR FALSAFAH (SISTEMKUASA) 5. SARJANA BIOSEKURITI PERTANIAN 6. SARJANA FALSAFAH 7. SARJANA PENGAJIAN TERMAJU 8. SARJANA SAINS GUNAAN (NANOTEKNOLOGI) 9. SARJANA TENAGA BOLEH DIPERBAHARU
18	**INTERNATIONAL INSTITUTE OF PUBLIC POLICY AND MANAGEMENT (INPUMA)** Total program: 1	Postgraduate (1)	1. SARJANA POLISI AWAM
19	**ASIA-EUROPE INSTITUTE (AEI)** Total program: 3	Postgraduate (3)	1. DOKTOR FALSAFAH 2. SARJANA PENGAJIAN ASEAN 3. SARJANA PENGAJIAN EROPAH
20	**CENTRE FOR FOUNDATION STUDIES IN SCIENCE (PASUM)** Total program: 5	Foundation Studies (5)	1. FOUNDATION IN SOCIAL SCIENCES 2. FOUNDATION IN LIFE SCIENCES 3. FOUNDATION IN PHYSICAL SCIENCES 4. FOUNDATION FOR ISLAMIC STUDIES IN SCIENCE 5. SPECIAL PREPARATORY PROGRAM TO ENTER JAPANESE UNIVERSITIES
21	**UNIVERSITY** **Total program: 2**	Undergraduate (1)	1. MOBILITI (IJAZAH DASAR)
		Postgraduate (1)	1. MOBILITI (IJAZAH TINGGI)

Summary of programs offered by academic entities in UM for 2025:

No.	ACADEMIC ENTITIES IN UM OFFERING PROGRAMS IN 2025	TOTAL PROGRAM OFFERED IN 2025 RELATED TO SUSTAINABILITY (ENVIRONMENT, SOCIAL AND ECONOMIC)
1	FACULTY OF ARTS AND SOCIAL SCIENCES	30
2	FACULTY OF BUSINESS AND ECONOMICS	17
3	FACULTY OF BUILT ENVIRONMENT	12
4	FACULTY OF DENTISTRY	13
5	ACADEMY OF ISLAMIC STUDIES	29
6	ACADEMY OF MALAY STUDIES	7
7	FACULTY OF ENGINEERING	12
8	FACULTY OF LAW	6
9	FACULTY OF MEDICINE	37
10	FACULTY OF PHARMACY	7
11	FACULTY OF EDUCATION	31
12	FACULTY OF CREATIVE ARTS	10
13	FACULTY OF SCIENCE	35
14	FACULTY OF LANGUAGES AND LINGUISTICS	12
15	FACULTY OF SPORTS AND EXERCISE SCIENCE	8
16	FACULTY OF COMPUTER SCIENCE AND INFORMATION TECHNOLOGY	14
17	INSTITUTE FOR ADVANCED STUDIES (IAS)	9
18	INTERNATIONAL INSTITUTE OF PUBLIC POLICY AND MANAGEMENT (INPUMA)	1
19	ASIA-EUROPE INSTITUTE (AEI)	3
20	CENTRE FOR FOUNDATION STUDIES IN SCIENCE (PASUM)	5
21	UNIVERSITY	2
	Overall program offered in 2025 related to sustainability:	**300**

Integrating SDGs through UM's Student Holistic Empowerment Courses

The commitment to providing meaningful education on the Sustainable Development Goals (SDGs) is also reflected through the **Student Holistic Empowerment (SHE)** courses coordinated by the Centre for Integral Learning (CITrA), which promote a wellrounded educational experience within a broad spectrum of sustainability topics. All UM undergraduate students are required to select and register for one course from each cluster within the SHE courses regardless of faculty or programme.

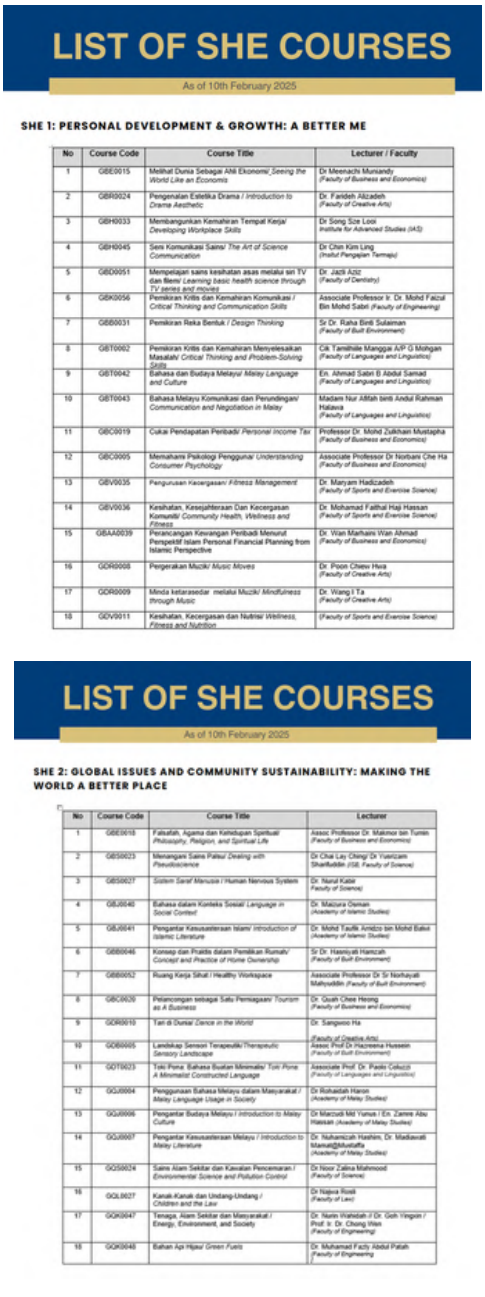
SHE develops graduate attributes such as critical thinking, leadership, ethics and sustainability awareness. It combines lectures, problem-solving exercises, research-based projects, industry collaboration and experiential learning, and it builds personal skills, ethical awareness and a global outlook alongside students' disciplinary studies.

Under the current structure, students take one course from each of two clusters, totalling 4 credits and one cluster is dedicated to global issues and sustainability: **Global Issues and Community Sustainability**: **Making the World a Better Place**, under SHE 2. The guidebook describes the cluster as immersing students in global challenges such as sustainability and inequality, and it builds leadership, critical thinking and social responsibility. This links directly to the SDGs, particularly SDG 4 (Quality Education), SDG 10 (Reduced Inequalities), SDG 11 (Sustainable Cities and Communities), SDG 16 (Peace, Justice and Strong Institutions) and SDG 17 (Partnerships for the Goals).

As every student must complete a course from this cluster, sustainability education reaches the whole student body.

Together, the SHE courses show that UM treats sustainability education as a requirement for every student. Every UM undergraduate, from Medicine to Law to Engineering, completes a dedicated course on global issues and community sustainability as part of their degree.




LIST OF SHE COURSES

As of 10th February 2025

SHE 1: PERSONAL DEVELOPMENT & GROWTH: A BETTER ME

No	Course Code	Course Title	Lecturer / Faculty
1	GBE0015	Melihat Dunia Sebagai Ahli Ekonomi/ *Seeing the World Like an Economis*	Dr Meenachi Muniandy *(Faculty of Business and Economics)*
2	GBR0024	Pengenalan Estetika Drama / *Introduction to Drama Aesthetic*	Dr. Farideh Akzadeh *(Faculty of Creative Arts)*
3	GBH0033	Membangunkan Kemahiran Tempat Kerja/ *Developing Workplace Skills*	Dr Song Sze Looi *Institute for Advanced Studies (IAS)*
4	GBH0045	Seni Komunikasi Sains/ *The Art of Science Communication*	Dr Chin Kim Ling *(Institut Pengajian Termpiu)*
5	GBD0051	Mempelajari sains kesihatan asas melalui siri TV dan filem/ *Learning basic health science through TV series and movies*	Dr. Jazli Aziz *(Faculty of Dentistry)*
6	GBK0056	Pemikiran Kritis dan Kemahiran Komunikasi / *Critical Thinking and Communication Skills*	Associate Professor Ir. Dr. Mohd Faizal Bin Mohd Sabri *(Faculty of Engineering)*
7	GBB0031	Pemikiran Reka Bentuk / *Design Thinking*	Sr Dr. Raha Binti Sulaiman *(Faculty of Built Environment)*
8	GBT0002	Pemikiran Kritis dan Kemahiran Menyelesaikan Masalah/ *Critical Thinking and Problem-Solving Skills*	Cik Tamilvile Manggai A/P G Mohgan *(Faculty of Languages and Linguistics)*
9	GBT0042	Bahasa dan Budaya Melayu/ *Malay Language and Culture*	En. Ahmad Sabri B Abdul Samad *(Faculty of Languages and Linguistics)*
10	GBT0043	Bahasa Melayu Komunikasi dan Perundingan/ *Communication and Negotiation in Malay*	Madam Nur Afifah binti Andul Rahman Halawa *(Faculty of Languages and Linguistics)*
11	GBC0019	Cukai Pendapatan Peribadi/ *Personal Income Tax*	Professor Dr. Mohd Zulkham Mustapha *(Faculty of Business and Economics)*
12	GBC0005	Memahami Psikologi Pengguna/ *Understanding Consumer Psychology*	Associate Professor Dr Norbani Che Ha *(Faculty of Business and Economics)*
13	GBV0035	Pengurusan Kecergasan/ *Fitness Management*	Dr. Maryam Hadizadeh *(Faculty of Sports and Exercise Science)*
14	GBV0036	Kesihatan, Kesejahteraan Dan Kecergasan Komuniti/ *Community Health, Wellness and Fitness*	Dr. Mohamad Fatihal Haji Hassan *(Faculty of Sports and Exercise Science)*
15	GBAA0039	Perancangan Kewangan Peribadi Menurut Perspektif Islam/ Personal Financial Planning from Islamic Perspective	Dr. Wan Marhaini Wan Ahmad *(Faculty of Business and Economics)*
16	GDR0008	Pergerakan Muzik/ *Music Moves*	Dr. Poon Chiew Hwa *(Faculty of Creative Arts)*
17	GDR0009	Minda ketarasedar melalui Muzik/ *Mindfulness through Music*	Dr. Wang I Ta *(Faculty of Creative Arts)*
18	GDV0011	Kesihatan, Kecergasan dan Nutrisi/ *Wellness, Fitness and Nutrition*	*(Faculty of Sports and Exercise Science)*

LIST OF SHE COURSES

As of 10th February 2025

SHE 2: GLOBAL ISSUES AND COMMUNITY SUSTAINABILITY: MAKING THE WORLD A BETTER PLACE

No	Course Code	Course Title	Lecturer
1	GBE0018	Falsafah, Agama dan Kebudayan Spiritual/ *Philosophy, Religion, and Spiritual Life*	Assoc Professor Dr. Maimor bin Tumin *(Faculty of Business and Economics)*
2	GBS0023	Menangani Sains Palsu/ *Dealing with Pseudoscience*	Dr Chai Lay Ching/ Dr Yusrizam Shamiuddin *(ISB, Faculty of Science)*
3	GBS0027	*Sistem Saraf Manusia / Human Nervous System*	Dr. Nurul Kabir *(Faculty of Science)*
4	GBJ0040	Bahasa dalam Konteks Sosial/ *Language in Social Context*	Dr. Maizura Osman *(Academy of Islamic Studies)*
5	GBJ0041	Pengantar Kesusasteraan Islam/ *Introduction of Islamic Literature*	Dr. Mohd Taufik Arridzo bin Mohd Baloh *(Academy of Islamic Studies)*
6	GBB0046	Konsep dan Praktis dalam Pemilikan Rumah/ *Concept and Practice of Home Ownership*	Sr Dr. Hasniyati Hamzah *(Faculty of Built Environment)*
7	GBB0052	Ruang Kerja Sihat / Healthy Workspace	Associate Professor Dr Sr Norhayati Mahyuddin *(Faculty of Built Environment)*
8	GBC0020	Pelancongan sebagai Satu Perniagaan/ *Tourism as A Business*	Dr. Goah Chee Herong *(Faculty of Business and Economics)*
9	GDR0010	Tari di Dunia/ *Dance in the World*	Dr. Sangeeso Ha *(Faculty of Creative Arts)*
10	GDB0005	Landskap Sensori Terapeutik/*Therapeutic Sensory Landscape*	Assoc. Prof Dr Hazreena Hussein *(Faculty of Built Environment)*
11	GDT0023	Toki Pona: Bahasa Buatan Minimalis/ *Toki Pona: A Minimalist Constructed Language*	Associate Prof. Dr. Paolo Coluzzi *(Faculty of Languages and Linguistics)*
12	GDJ0004	Penggunaan Bahasa Melayu dalam Masyarakat / *Malay Language Usage in Society*	Dr Rohaidah Haron *(Academy of Malay Studies)*
13	GDJ0006	Pengantar Budaya Melayu / *Introduction to Malay Culture*	Dr Marzuki Md Yunus / En. Zamre Abu Hassan *(Academy of Malay Studies)*
14	GDJ0007	Pengantar Kesusasteraan Melayu / *Introduction to Malay Literature*	Dr. Nuhamizah Hashim, Dr. Madiawati Mamat@Mustaffa *(Academy of Malay Studies)*
15	GDS0024	Sains Alam Sekitar dan Kawalan Pencemaran / *Environmental Science and Pollution Control*	Dr Noor Zalina Mahmood *(Faculty of Science)*
16	GDL0027	Kanak-kanak dan Undang-Undang / *Children and the Law*	Dr Najwa Rosli *(Faculty of Law)*
17	GDK0047	Tenaga, Alam Sekitar dan Masyarakat / *Energy, Environment, and Society*	Dr. Nurin Wahidah / Dr. Goh Yingxin / Prof. Ir. Dr. Chong Wen *(Faculty of Engineering)*
18	GDK0048	Bahan Api Hijau/ *Green Fuels*	Dr. Muhamad Fazly Abdul Patah *(Faculty of Engineering)*

Campus Sustainability Final Year Project (FYP SDG@UM) on SDGs for Just Net Zero and Urban Sustainability

UM exemplifies its commitment to the Sustainable Development Goals (SDGs) and carbon neutrality is the **Final Year Project Sustainable Development Goals @ Universiti Malaya (FYP SDG@UM)** program.

Building on the Campus Sustainability Final Year Project (FYP) program launched by the Universiti Malaya Sustainable Development Centre (UMSDC) in 2023, FYP SDG@UM expands its reach beyond the campus, focusing on urban sustainability and the implementation of the United Nations SDGs. The session 2024/2025 theme is "SDGs for Just Net Zero and Urban Sustainability", emphasizing carbon neutrality achieved in an equitable manner, alongside environmentally responsible, economically viable and socially inclusive urban development. The initiative brings together students, faculties, expert mentors and strategic partners to develop solutions to sustainability challenges, aligned with UM's commitment to carbon neutrality and the SDGs.

Programme objectives:

- To support Final Year Undergraduate Projects (FYPs) that address sustainability challenges within Universiti Malaya and beyond, particularly in the urban context of the Klang Valley where the UM campus is located.
- To equip students with the skills to conduct responsible, action-oriented research and actively address real-world sustainability challenges within the framework of the SDGs.
- To empower students to play a key role in accelerating UM's transition towards a sustainable, equitable and net-zero campus, while extending their impact beyond the university.



Programme highlights: The 2024/2025 session is structured around 10 work packages which include Sustainable & Low Carbon Energy; Sustainable & Low Carbon Mobility; Sustainable & Low Carbon Buildings and Infrastructure; Sustainable & Low Carbon Value Chain; Zero Waste Solutions & Circularity; Sustainable & Low Carbon Behavioral Change; Climate Adaptation; Reducing Plastic Use and Pollution; Environmental, Social and Governance (ESG); and Human–Animal Coexistence.

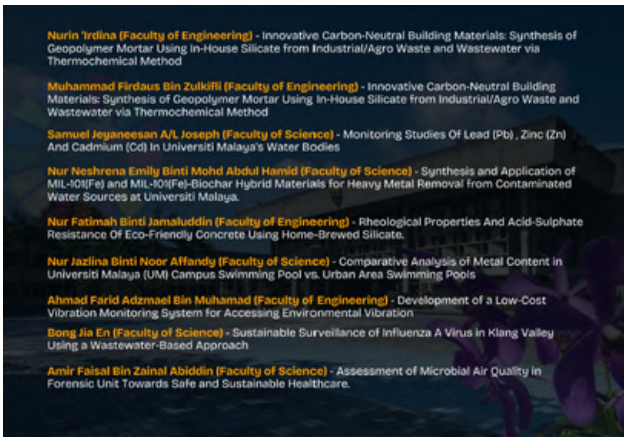
With the 10 Work Packages, students will have the opportunity to work on multidisciplinary projects that align with UM's Sustainability Policy, EcoCampus Blueprint and Carbon Neutral vision. Each project is supported by expert mentors and strategic partners, ensuring that students receive the guidance and resources needed to make a meaningful impact.

Selected 54 FYP SDG@UM Session 2024/2025:

















07 Education for SDGs: specific courses on sustainability

Universiti Malaya (UM) recognises that education is a precursor to achieving the Sustainable Development Goals. The university offers dedicated degree programmes and sustainability-focused courses at both undergraduate and postgraduate levels, taught across several faculties and institutes. These are published on UM's Academic Pathways in sustainability@UM webpage, which presents selected examples and is updated annually. Below are the examples of sustainability-focused courses offered in 2024/2025 and 2025/2026 Academic Year.

Postgraduate programmes

- Master of Sustainability Science (Faculty of Science): courses include Sustainability and Strategic Thinking, Policy and Management of Science for Sustainable Development, and Critical Thinking for Sustainability.
- Master of Advanced Studies: an interdisciplinary coursework degree directed by Integrated Analytics and Sustainable Leadership. It includes a dedicated core course in Environmental, Social and Governance (ESG) and electives in Environment & Infrastructure, Technology & Innovation, Policy & Governance, and Health & Wellbeing.
- Master of Renewable Energy (Institute for Advanced Studies): Energy and Sustainable Development, Energy Policy, and Energy Efficiency and Management.
- Master of Environmental Management Technology (Faculty of Science) and Master of Safety, Health, and Environment Engineering (Faculty of Engineering): Environmental Monitoring and Assessment, Hazardous Waste Control, and Air Pollution Management and Control.

Undergraduate programmes

- Bachelor of Environmental Studies (Faculty of Arts and Social Sciences): includes Concepts and Issues in Sustainability and Weather and Climate.
- Bachelor of Science in Environmental Management (Faculty of Science): Environmental Monitoring, Integrated Waste Management and Applied Ecology, with electives in Key Issues in Climate Change, Energy Saving Culture and Disaster Management.
- Bachelor of Science in Ecology and Biodiversity (Faculty of Science), Bachelor of Urban and Regional Planning (Faculty of Built Environment) and Bachelor of Geography (Faculty of Arts and Social Sciences).

Sustainability within other disciplines: Sustainability is also built into programmes outside the environmental sciences for example within the discipline of gender studies (SDG 5). The Master of Gender Studies includes Gender & Sustainable Development, and the Master of Architecture includes Green & Sustainable Technology and Building Conservation.

Together, these programmes allow students to study sustainability and the SDGs through dedicated degrees, specialised courses and electives, whichever discipline they come from.



08 Education for SDGs in the Wider Community

Universiti Malaya extends educational engagement beyond the campus through dedicated outreach and community-based learning activities involving alumni, local communities, refugees and other displaced groups. These initiatives provide opportunities for knowledge sharing, awareness building and practical learning through alumni-led programmes, community outreach, service-learning activities and targeted education for refugee communities.

Examples includes:

Alumni:

- **Alumni-Led Community Learning and Engagement in Kuala Tahan** (Page 57)
- **Alumni Experiential Learning Through Humanitarian Relief in Aceh** (Page 58)

Local community:

- **UMCares@222 Local Community Education Outreach Programmes** (Page 59)
- **Service Learning Malaysia-University for Society (SULAM) with Local Community** (Page 60-62)

Displaced people and refugee:

- **RIISE for Learning: Education and Career Awareness Outreach for Somali Refugee Youth** (Page 63)
- **Empowering Myanmar Refugee Children Through Health Education** (Page 64)

Alumni-Led Community Learning and Engagement in Kuala Tahan

The Perkampungan Kekeluargaan - Operasi Khidmat Masyarakat (OPKIM) Kuala Tahan 2025, held in Kampung Kuala Tahan, Jerantut from 19 to 21 September 2025, provided experiential learning and community engagement opportunities for university students and the local communitythrough dedicated outreach and educational activities. Activities included family-host interactions, motivational sessions, rainforest exploration, community gotong-royong, recreational activities, and community gatherings, fostering values of cooperation, personal development, environmental appreciation and social responsibility, in support of SDG 4 (Quality Education), particularly education for sustainable development (Target 4.7).

Alumni of Universiti Malaya were involved as organisers and facilitators, supporting the delivery of activities and facilitating interactions between students and the local community. Their involvement enabled alumni to contribute their knowledge, experience and skills while supporting educational and community-based activities beyond the university. For the wider community, the programme offered outreach and learning activities beyond the campus. The programme also connected the wider community with UM through exhibitions by 10 UM PTJs and external organisations, which shared information and learning resources with residents, as well as free health and dental screening for residents of Kampung Kuala Tahan, supporting SDG 3 (Good Health and Well-being). Working with external organisations also reflects SDG 17's emphasis on partnerships (Target 17.17), and the rainforest exploration and environmental appreciation activities contribute to SDG 15 (Life on Land)



Alumni Experiential Learning Through Humanitarian Relief in Aceh

In December 2025, Alumni Chapter Indonesia, Universiti Malaya, organised a humanitarian relief initiative as an outreach programme for the wider community, for communities affected by flooding in several areas of Aceh, particularly Aceh Tamiang. The initiative provided essential supplies, including food, medicines and clothing, supporting SDG 2 (Zero Hunger) and SDG 3 (Good Health and Well-being), while giving participating alumni an opportunity to gain practical experience in community engagement, humanitarian response and social responsibility, in line with SDG 4's focus on learning for sustainable development (Target 4.7).



Through their involvement in supporting flood-affected communities, alumni members developed greater awareness of the social and environmental challenges faced by communities affected by natural disasters. The initiative provided a meaningful experiential learning opportunity that encouraged compassion, solidarity and responsible action towards communities in need, extending learning and engagement beyond the university community, through a partnership between alumni and local communities (SDG 17).

UMCares@222 Local Community Education Outreach Programmes

UMCares@222 is an initiative connecting Universiti Malaya with parliamentary constituencies across Malaysia to deliver community-focused solutions through education, research, and public engagement. In collaboration with local communities, schools, and parliamentary service centres, the programme extends learning beyond campus through workshops, training, and knowledge-sharing activities tailored to local needs. It promotes lifelong learning while strengthening community well-being nationwide through the application of academic expertise and student engagement.



Key outreach activities under the UMCares@Ranau programme include the Tuninipot Literacy-Creative (TUNINIPOT) Module, which enhances literacy and creativity among Sabah indigenous children through storytelling, folklore, and creative writing rooted in local culture. The programme encourages experiential learning and helps strengthen both language skills and cultural appreciation.

UMCares@Sepanggar community engagement activities were conducted in collaboration with the parliamentary service centre, featuring programmes such as bead arrangement competitions, health screenings, child development assessments, and youth activities that promote learning and community participation across different age groups.

Meanwhile, UMCares@Taiping, an initiative under Universiti Malaya's (UM) Pusat Jalinan Masyarakat (UMCares), designated Parlimen Taiping as its first Kampung Angkat (adopted village) in collaboration with the Majlis Perbandaran Taiping (MPT). The programme implemented nine targeted projects, including the Pembangunan Kaki Bukit Larut, One Million Trees Programme, and Financial Empowerment for Rural B40 Entrepreneurs, which provided financial literacy training for women entrepreneurs. It also featured early childhood learning activities introducing preschool children to language development and environmental awareness through creative exploration.

Service Learning Malaysia-University for Society (SULAM) with Local Community

The Service Learning Malaysia–University for Society (SULAM) initiative at UM integrates academic learning with meaningful local community service to enhance students' educational experience while contributing to society. Through SULAM, students apply knowledge and skills gained in the classroom to address real-world local community issues, encouraging civic responsibility, leadership, teamwork, and empathy. The programme also strengthens collaboration between the university and the community by promoting sustainable projects that create positive social impact and holistic student development.



For example, the project **"A Wonderful Journey with Al-Quran" (JiWA)** reflected the holistic approach of SULAM by integrating moral and spiritual development into community engagement. In this programme, students worked closely with orphaned children from Pertubuhan Kebajikan Anak Yatim (PERKAYA) through Quranic learning sessions, motivational activities, and character-building programmes aimed at nurturing positive values and self-confidence.



Another example was the SULAM project **"Little Heroes, Big Skills"**, which supported children from Pertubuhan Rahoma Darul Fakir Malaysia, a welfare organisation providing care, education, and support to underprivileged children and families. Conducted by students from the Faculty of Education's Bachelor of Early Childhood Education programme, the project included self-defence sessions, basic financial management activities, and interactive poetry performances. These activities provided opportunities for the children to learn practical life skills while strengthening their self-confidence, creativity, communication abilities, and independence.



Another SULAM project brought together law and education students to promote healthy food consumption and reduce food waste among young children and their parents in Petaling Jaya. A one-day programme at Tadika Al-Husna featured educational talks, interactive songs and a mini booth carnival. Law students raised awareness of food waste and related legislation, while education students introduced balanced nutrition through the Malaysian Food Pyramid and Healthy Plate concepts. Pamphlets integrating legal and health information were also distributed to families. The project promoted awareness and long-term behavioural change while highlighting the potential role of legislation in addressing food waste in Malaysia.



The SULAM project **"Furry Force: Raising Community Awareness of Animal Cruelty and Animal Welfare"**, led by students from the Faculty of Law, Universiti Malaya, aimed to educate the community about animal rights, animal welfare and the Animal Welfare Act 2015. Conducted with two target groups, homeschool students aged 10–15 and Universiti Malaya students, the project used interactive and accessible approaches including talks, scenario-based games, interactive quizzes and educational materials. A talk by Dr Nur Afiqah Hashim, founder of UM Guardians, introduced participants to animal welfare issues, while the "See Something, Say Something" pamphlet provided information on legal definitions, reporting procedures, relevant statistics and animal welfare organisations. The project also extended its outreach through Instagram and collaboration with UM Guardians, enabling students to apply their legal knowledge in a community setting while encouraging empathy, civic responsibility and youth engagement in animal welfare advocacy.



Students from the Faculty of Built Environment and conducted a service-learning project at Sekolah Menengah Sains Bagan Datuk, Perak, to promote environmental awareness and sustainable practices among secondary school students. The workshop featured hands-on activities including seed bomb making and the creation of eco-friendly fire starters using recycled materials such as newspaper, wax and soil. These activities introduced students to practical ways of reusing materials while demonstrating how everyday waste can be transformed into useful products. The project combined environmental education with experiential learning, encouraging students to take greater responsibility for environmental conservation while strengthening the university students' teamwork and project planning skills.



The SULAM project **"Pasar Pulse: The Heartbeat of Street Vendors"** explored the challenges faced by street food vendors in Jalan Petaling and Jalan Alor, Kuala Lumpur, including licensing difficulties, financial instability and inadequate infrastructure. Students conducted a literature review, on-site visits and interviews with hawker associations to better understand the vendors' experiences and the challenges affecting their livelihoods. As part of the community engagement component, the students developed and distributed multilingual pamphlets in Malay and Chinese outlining vendors' legal rights and obligations, and produced a documentary-style video to raise public awareness. The project provided students with an opportunity to engage with an often-overlooked urban community while applying their knowledge to social advocacy and improving access to legal information.



RIISE for Learning: Education and Career Awareness Outreach for Somali Refugee Youth



"RIISE for Learning: Empowering Minds, Shaping Futures" was a student-led community outreach initiative held in May 2025 as part of the SULAM project for AIX1005, Community Building, Social Action and Innovation, by students from the Department of International and Strategic Studies, Faculty of Arts and Social Sciences, Universiti Malaya. The initiative engaged children and young adults from the Somali Refugee Community Center, providing dedicated educational outreach for a displaced and underserved community.

The programme focused on SDG 4: Quality Education, with educational and career awareness activities designed to broaden participants' understanding of the importance of education and its relationship with future career opportunities. Participants were introduced to education pathways, career options and personal development, with the sessions intended to increase awareness of opportunities available to them and encourage them to pursue further learning and skills development.

The initiative also addressed broader aspects of inclusive education and reduced inequalities by engaging refugee children and young adults who may face barriers to educational and career opportunities. Through talks, interactive activities and educational games, UM students created an accessible learning environment that encouraged participants to consider their aspirations, develop communication and teamwork skills, and recognise education as a pathway towards personal and professional development.

By bringing dedicated educational outreach to children and young adults at the Somali Refugee Community Center, "RIISE for Learning" extended SDG-related learning beyond the university campus to a displaced community. The initiative demonstrates how student-led service learning can promote awareness of quality education, career development and inclusive learning among refugee and underserved populations.

Empowering Myanmar Refugee Children Through Health Education

As part of the Service-Learning Malaysia – University for Society (SULAM) project, nine students from the Faculty of Medicine, Universiti Malaya, conducted "Empowering Myanmar Refugee Children Through Health Education" for the Myanmar refugee community in Taman Sri Murni, Batu Caves in 2025. The initiative focused on promoting health and well-being among refugee children through health education and awareness activities. The project reached 250 community members, providing an opportunity for students to apply their medical knowledge in a community setting while supporting health education among a refugee population.

This outreach initiative strengthened health awareness among Myanmar refugee children and demonstrated the role of student-led community engagement in promoting health and well-being among underserved communities.



Sustainability Literacy



UM previously assessed sustainability literacy through a survey of first-year students during the Week of Welcome (UM-WOW), focused on climate change. It found strong awareness of climate impacts and willingness to act, with gaps in engagement and in the availability of climate information. Building on this, the UM Sustainable Development Centre (UMSDC) and the Academic Strategic and Planning Department (ASPD) have developed an expanded Sustainability Literacy Survey for the 2024/2025 session, piloted among the UM students and will be opened to both UM students and staff. It measures sustainability literacy in three dimensions: what respondents know, what they believe, and what they do.

Knowledge

Multiple-choice questions test understanding of:

- The SDGs: their purpose, number and 2030 target, and specific goals.
- ESG and sustainability concepts: Environmental, Social and Governance principles, net-zero, greenwashing, sustainable development and the Paris Agreement.
- Malaysia's sustainability context: national commitments and policies (e.g., Malaysia's Paris Agreement commitment, the Green Technology Master Plan, the Malaysia Plastics Sustainability Roadmap, the National Policy on Climate Change).

Attitudes

Respondents are asked about:

- the importance of sustainability for future generations
- the role of universities and education, including whether sustainability should be mandatory in all curricula
- willingness to change lifestyle and to volunteer
- views on policy, regulation and corporate responsibility
- views on specific issues: biodiversity, plastics, renewable energy and indigenous knowledge

Behaviours

Respondents rate how often they take actions such as recycling, reducing energy, water and food waste, choosing sustainable transport and products, volunteering, taking part in citizen science and campus initiatives, and advocating for sustainability.

Compared with the 2022 survey, which looked only at climate change in first-year students, the new survey adds ESG, Malaysian policy and a wider set of SDG topics. It measures behaviour and not only attitudes, and it extends participation to UM's wider student community. The results has been used by UMSDC and ASPD to identify gaps and to target sustainability education and engagement across the campus.