MASTER OF SCIENCE (BIODIVERSITY CONSERVATION)

A. UNIVERSITY

1. UTHM Vision

Towards a world class university in engineering, science and technology for sustainable development

2. UTHM Mission

UTHM is committed to generate and disseminate knowledge, to meet the needs of industry and community and nurturing creative and innovative human capital, based on tauhidic paradigm

3. UTHM Education Philosophy

The education and training in this university is a continuous effort to lead in the market oriented academic programmes. These programmes are student-focused and are conducted through experiential learning in order to produce well trained human resource and professionals who are catalysts for a sustainable development

B. PROGRAMME

1. Programme Educational Objectives (PEO)

The programme educational objectives for Master of Science (Biodiversity Conservation) programme (MWA) are to produce graduates who are able to:

PEO	Description	Key Performance Index (KPI)
PEO 1	Highly engaged in addressing the loss of biodiversity by employing the best strategy, ethically and technologically [PLO 1, PLO 2, PLO 3, PLO 4, PLO 11]	At least 60% working in conservation government agencies and non-government entities.
PEO 2	Renowned professionals who actively participate with various stakeholders in promoting conservation through valuing biodiversity in an economic and sustainable context [PLO 1, PLO 4, PLO 5, PLO 8,PLO 9, PLO 10, PLO 11]	At least 30% working in industry (tourism, herbal, etc.) At least 10% working in environmental, education and consultation sectors.
PEO 3	Highly involved in the process of environmental policy and decision making at the state, federal or regional levels to legally protect biodiversity	At least 5% working with the decision makers

	[PLO 1, PLO 6, PLO 7, PLO 8]	and policy makers or multi-lateral environmental agencies.

2. Programme Learning Outcomes (PLO)

The programme learning outcomes for Master of Science (Biodiversity Conservation) programme (MWA) are to produce graduates who are able to:

PLO 1	Knowledge and Understanding	Apply advanced knowledge and comprehension of the concepts of biodiversity and conservation in addressing environmental issues (Knowledge and Understanding - K)
PLO 2	Cognitive Skills	Apply profound critical thinking in identifying and addressing complex issues concerning biodiversity and conservation (Cognitive Skills - C)
PLO 3	Practical Skills	Exhibit highly competent practical skills in conducting laboratory and field exercises that are essential in determining the current status of biodiversity (Practical Skills - P)
PLO 4	Interpersonal Skills	Exhibit high level of interpersonal skills in fulfilling individual and group tasks when tackling issues pertaining to biodiversity and conservation (Interpersonal Skills. (Teamwork and Social Skills) - IS)
PLO 5	Communication Skills	Demonstrate high level of effective oral and written communication skills in promoting biodiversity and conservation (Communication Skills - CS)
PLO 6	Digital Skills	Manipulate data using appropriate and advanced digital tools in analyzing, presenting and assessing trends in biodiversity and conservation (Digital Skills - DS)
PLO 7	Numerical Skills	Perform advanced numerical analysis and forecast trends in biodiversity and conservation (Numeracy Skills - NS)
PLO 8	Leadership, Autonomy and Responsibility	Adopt good leadership and social responsibility in dealing with stakeholders upholding biodiversity and conservation (Leadership, Autonomy and Responsibility - LAR)
PLO 9	Personal Skills	Engage in continuous enhancement of knowledge in the field of biodiversity, conservation and related discipline (Personal Skills - PS)
PLO 10	Entrepreneur	Develop entrepreneurial mindset in planning economical and sustainable use of biodiversity (Entrepreneurial Skills - ES)
PLO 11	Ethics and Professionalism	Conduct tasks ethically and professionally in exploring technologies and valuing economic potentials of biodiversity (Ethics and Professionalism - EP)