

Review of the USM RDE Agenda

Institutional Research Agenda	Priority Areas	National Alignment	International Alignment UN 2030 Agenda SGD's
Quality Learning, Skills Development, and Literacy	Innovative teaching strategies; development and evaluation of functional education materials and modalities, <b>and teaching</b> strategies/approaches, motivation, and engagement; school climate; school and knowledge management; special education; remedial education; curriculum development and implementation; alternative learning system; <b>assessment studies</b> ; soft skills; practical skills; adult education; language literacy; numerical literacy; data literacy; computer literacy; international studies; tracer studies; <b>livelihood programs</b> ; capacity building; capability building.	PDP 2023-2028 1) Promote Human and Social Development	Goal 4: Quality education
Social Development, and Strong Institutions	Gender and development GAD; peace initiatives; community development; human security; justice; public policy and legislations; social rehabilitation; governance; organizational studies; behavioral studies; social institutions; ethics and public accountability; programs/project assessment; community needs assessment and interventions; partnerships and linkages; <b>technology adoption</b> ; <b>Institutional development</b> ; upgrading of laboratory and lecture facilities	PDP 2023-2028 1) Promote Human And Social Development	Goal 5: Gender equality; Goal 16: Peace, justice and strong institutions

Preservation of Culture	Multicultural studies; educational materials for IPs; indigenous knowledge systems and practices; development of materials for cultural knowledge and promotion; arts; language and literature studies; <b>traditional dance, sports and music; halal studies</b>	PDP 2023-2028 1) Promote Human And Social Development	Goal 16: Peace, justice and strong institutions; Goal 17: Partnerships
Environmental Protection, Conservation, and Risk Reduction	Environment rehabilitation studies; biodiversity; climate change adaptation; risk, hazard and mitigation; biosafety; natural resources conservation and management; bioremediation; flood control; waste management; ecological preservation and care; environmental impact assessment; <b>tourism; agroecology; natural farming</b>	DOST-HNRDA-AANR 2022-2028 Agenda 3) Building resilience to climate change and other natural shock and 4) Sustainable environment and natural resources; DA-NAFMIP 2021-2030 "Food-and-nutrition secure, resilient Philippines with empowered and prosperous farmers and fisherfolk	Goal 6: Clean water and sanitation; Goal 11: Sustainable cities and communities; Goal 13: Climate action; Goal 14: Life below water; Goal 15: Life on land
Food Security and Poverty Reduction	Agricultural and fisheries research; biotechnology; innovations; quality food product development; technology development; halal food production; sustainable production; responsible consumption; organic agriculture; food testing; smart agriculture; precision farming; farm machineries; post-harvest facilities; vertical farming; indigenous food; food tourism; <b>development of new breeds and varieties</b>	PDP 2023-2028 3) Increase Income-Earning Ability; DOST-HNRDA-AANR 2022-2028 Agenda 1) Food Security; DA-NAFMIP 2021-2030 "Food-and-nutrition secure, resilient Philippines with empowered and prosperous farmers and fisherfolk	Goal 1: No poverty; Goal 2: Zero hunger; Goal 12: Responsible consumption and production;

Good Health and Well-being	Nutrition; <b>nutraceuticals</b> ; sports, physical education; physical fitness; sports psychology; health resiliency; psycho-social health; medical and medicinal studies; <b>hygiene and</b> sanitation; functional foods; food and water quality and safety; mental and emotional health; therapy; coping mechanism; preventive measures; emerging diseases; health management; <b>traditional and</b> alternative medicine; <b>community health; health risk assessment and mitigation; health informatics, regenerative medicine, emergency response medicine</b>	PDP 2023-2028 6) Reinvigorate Services	Goal 2: Zero hunger, Goal 3: Good health and well-being
Innovations in Science, Engineering, and Technology	Innovations <b>and futures thinking</b> ; product and <b>technology</b> development; energy; materials science; nanotechnologies; robotics; <b>drone/LIDAR survey</b> , artificial intelligence; internet of things; Science, Engineering, Communication, and Technologies (SECT) 4.0; biotechnology and OMIC technologies; inventions and discoveries; information technologies; electronics; drug discovery; mathematics; emerging technologies; fabrication; transport system; waste management; infrastructure; water systems; simulation studies; industrial and allied technology, <b>Data Science and Big Data Analytics, GIS, Remote sensing, machine learning</b> ; quantum technology; smart cities	PDP 2023-2028 4) Modernize Agriculture And Agri-Business; DA-NAFMIP 2021-2030 "Food-and-nutrition secure, resilient Philippines with empowered and prosperous farmers and fisherfolk	Goal 7: Affordable and clean energy; Goal 9: Industry, innovation and infrastructure; Goal 11: Sustainable cities and communities

Sustainable Entrepreneurship Studies and Management	Economics; micro and macro scale business; product development; marketing; commercialization; networking; franchising; financial management; business feasibility studies; risk and opportunities; value adding; value chain analysis; organizational management; quality service assessment; human resource management; production management; <b>sustainable cooperative studies; entrepreneurial studies</b>	PDP 2023-2028 1) Reduce Vulnerabilities and Protect Purchasing Power; 3) Increase Income-Earning Ability, 5) Revitalize Industry, and 6) Reinvigorate Services; DOST-HNRDA-AANR 2022-2028 Agenda 2. Value chain development for livelihood and income generation; DA-NAFMIP 2021-2030 "Food-and-nutrition secure, resilient Philippines with empowered and prosperous farmers and fisherfolk	Goal 1: No poverty; Goal 2: Zero hunger Goal 8: Decent work and economic growth;
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Source:

- National Agriculture and Fisheries Modernization and Industrialization Plan (NAFMIP) 2021-2030
- DOST - Updated Harmonized National Research and Development Agenda HNRDA-AANR 2022-2028
- Philippine Development Plan 2023-2028
- International Alignment UN 2030 Agenda SGD's - 17 Sustainable Development Goals