COURSES RELATED TO ENVIRONMENTAL SUSTAINABILITY

Universitas Muhammadiyah Makassar demonstrates a strong institutional commitment to environmental sustainability through the integration of sustainability-related courses across a wide range of faculties and study programmes. These courses address key themes such as environmental management, conservation, renewable energy, climate change adaptation, disaster management, sustainable agriculture, water resources, and ecological planning. Together, they reflect the university's multidisciplinary approach to equipping students with the knowledge, values, and practical competencies needed to respond to contemporary environmental challenges and contribute to sustainable development.

No	Course	Credits	Study Program	Faculty	Description of the Course
1	Public Health Science	2	Medicine	Faculty of Medicine and Health Sciences	This course examines sanitation, pollution, water quality, air quality, and residential conditions as environmental determinants of public health.
2	Disaster Management	2	Medicine	Faculty of Medicine and Health Sciences	This course covers disaster mitigation, preparedness, response, and recovery in relation to natural hazards and environmental vulnerability.
3	Tropical Medicine	4	Medicine	Faculty of Medicine and Health Sciences	This course explores tropical diseases in relation to climate, ecosystems, vectors, and environmental change.
4	Community Medicine	4	Medicine	Faculty of Medicine and Health Sciences	This course focuses on community health services shaped by social and environmental conditions
5	Public Health and Community Sciences	3	Medicine	Faculty of Medicine and Health Sciences	This course explores public health in community and environmental contexts, especially the prevention of environmentally related diseases.
6	Health Promotion	2	Nursing	Faculty of Medicine and Health Sciences	This course promotes healthy behaviour, disease prevention, and the creation of healthy living environments.
7	Emergency Nursing and Disaster Management	2	Nursing	Faculty of Medicine and Health Sciences	This course focuses on emergency care and disaster response in situations affecting human health and environmental safety.
8	Environmental Knowledge	2	Electrical Engineering	Faculty of Engineering	This course introduces core concepts of environmental management,

					pollution, conservation, and sustainability.
9	Basics of Energy and Electrical Conversion	2	Electrical Engineering	Faculty of Engineering	This course examines energy conversion principles that support efficiency and sustainable energy use.
10	IoT (Internet of Things)	2	Electrical Engineering	Faculty of Engineering	This course applies sensor-based technologies to environmental monitoring, including air quality, water quality, temperature, and other ecological parameters.
11	Power Plant	2	Electrical Engineering	Faculty of Engineering	This course examines energy generation systems and their impacts on natural resources, emissions, and environmental quality.
12	Power System Operation	2	Electrical Engineering	Faculty of Engineering	This course focuses on efficient power system operation to reduce energy waste and support sustainability.
13	Electric Power Distribution	2	Electrical Engineering	Faculty of Engineering	This course addresses efficient electricity distribution as part of sustainable energy management.
14	Power System Control	2	Electrical Engineering	Faculty of Engineering	This course examines control strategies that improve power system efficiency and support energy conservation.
15	Power System Analysis	2	Electrical Engineering	Faculty of Engineering	This course analyses electrical power systems in terms of efficiency, stability, and sustainable energy performance.
16	Hydropower Plant (PLTA) Planning	2	Civil Engineering	Faculty of Engineering	This course examines hydropower development as a renewable energy option linked to water resource management.
17	Hydrology I	2	Civil Engineering	Faculty of Engineering	This course studies the hydrological cycle, rainfall, runoff, and basic water resource processes in the environment.
18	Hydrology II	2	Civil Engineering	Faculty of Engineering	This course deepens the analysis of hydrological processes and water resources for environmental planning and management.
19	Hydraulics I	2	Civil Engineering	Faculty of Engineering	This course examines water flow behavior essential to drainage, irrigation, and hydraulic infrastructure.
20	Hydraulics II	2	Civil Engineering	Faculty of Engineering	This course applies hydraulic principles to infrastructure systems

					that support water and aquatic environment management.
21	Irrigation	2	Civil Engineering	Faculty of Engineering	This course focuses on irrigation systems and sustainable water management for agriculture.
22	Sediment Transport	2	Civil Engineering	Faculty of Engineering	This course examines sediment movement and its effects on erosion, rivers, reservoirs, and aquatic ecosystems.
23	Reservoir Planning and Management	2	Civil Engineering	Faculty of Engineering	This course addresses reservoir planning and management for water conservation and sustainable resource use.
24	River Engineering I	2	Civil Engineering	Faculty of Engineering	This course examines river systems and engineering approaches to river flow and channel management.
25	River Engineering II	2	Civil Engineering	Faculty of Engineering	This course emphasizes river management strategies for flood control, erosion reduction, and sustainable water use.
26	City Drainage Planning	2	Civil Engineering	Faculty of Engineering	This course focuses on urban drainage systems that improve flood management and environmental quality.
27	Coastal Techniques	2	Civil Engineering	Faculty of Engineering	This course examines engineering approaches to coastal protection, shoreline stability, and erosion control.
28	Water Management	2	Civil Engineering	Faculty of Engineering	This course addresses the allocation, conservation, and sustainable management of water resources for human and ecosystem needs.
29	Water Resource Development	2	Civil Engineering	Faculty of Engineering	This course focuses on the sustainable development and utilization of water resources.
30	Reclamation and Coastal Building	2	Civil Engineering	Faculty of Engineering	This course examines reclamation and coastal development practices that affect coastal ecosystems and environmental balance.
31	Environmental Engineering and Introduction to Amdal	2	Civil Engineering	Faculty of Engineering	This course covers environmental engineering principles and environmental impact assessment.

32	Ground Water Management	2	Civil Engineering	Faculty of Engineering	This course focuses on the conservation, use, and management of groundwater resources.
33	Soil and Plant Science	2	Civil Engineering	Faculty of Engineering	This course examines soil, vegetation, and their ecological interactions within land systems.
34	Environmental Knowledge / Amdal	2	Architecture	Faculty of Engineering	This course addresses environmental assessment and the built environment in planning and design contexts.
35	Green Architecture	2	Architecture	Faculty of Engineering	This course emphasizes environmentally responsive design, energy efficiency, and sustainable building principles.
36	Building Physics	3	Architecture	Faculty of Engineering	This course examines thermal performance, lighting, ventilation, and environmental comfort in buildings.
37	Settlement Design	3	Architecture	Faculty of Engineering	This course focuses on settlement design that supports environmental quality and sustainable living conditions.
38	Site and Outdoor Space Design	3	Architecture	Faculty of Engineering	This course applies ecological considerations to site planning and outdoor spatial design.
39	Tropical Architecture	2	Architecture	Faculty of Engineering	This course examines building design strategies adapted to tropical climate conditions.
40	Revitalization of Buildings and Areas	2	Architecture	Faculty of Engineering	This course focuses on the renewal of built environments through preservation, adaptive reuse, and sustainable area improvement.
41	Geology And Environmental Government	2	Urban and Regional Planning	Faculty of Engineering	This course connects geological conditions with environmental governance and policy considerations.
42	Introduction to Natural Resources and the Environment	2	Urban and Regional Planning	Faculty of Engineering	This course introduces the principles of natural resource use, environmental systems, and sustainability.
43	Analysis of Natural Resources and the Environment	2	Urban and Regional Planning	Faculty of Engineering	This course analyzes regional environmental conditions and natural resource potential for sustainable planning.
44	Coastal and Island Landscape Planning	2	Urban and Regional Planning	Faculty of Engineering	This course focuses on planning coastal and island landscapes with

					attention to ecological sensitivity and sustainability.
45	Regional and City Infrastructure I	2	Urban and Regional Planning	Faculty of Engineering	This course examines infrastructure systems and their influence on environmental quality in urban and regional areas.
46	Disaster Mitigation-Based Spatial Planning	2	Urban and Regional Planning	Faculty of Engineering	This course integrates spatial planning with disaster risk reduction and environmental resilience.
47	Land Use and Development	2	Urban and Regional Planning	Faculty of Engineering	This course examines land use patterns and their implications for environmental sustainability.
48	Housing System and Residential Areas	3	Urban and Regional Planning	Faculty of Engineering	This course addresses housing systems and residential planning in relation to healthy and sustainable environments.
49	Area Planning Studio	4	Urban and Regional Planning	Faculty of Engineering	This course applies planning concepts to area development while considering environmental conditions and sustainability.
50	Urban Planning Studio	4	Urban and Regional Planning	Faculty of Engineering	This course develops urban planning solutions that promote sustainable and environmentally responsive cities.
51	Location Analysis and Spatial Patterns	2	Urban and Regional Planning	Faculty of Engineering	This course examines spatial distribution and regional patterns that shape environmental planning.
52	Space Utilization Control (Zoning System)	3	Urban and Regional Planning	Faculty of Engineering	This course addresses zoning as a tool for regulating land use and protecting environmental quality.
53	Community Development	2	Urban and Regional Planning	Faculty of Engineering	This course emphasizes community-based development that responds to environmental needs and local sustainability.
54	Regional and City Infrastructure II	2	Urban and Regional Planning	Faculty of Engineering	This course continues the study of infrastructure systems and their environmental impacts in urban and regional contexts.
55	Strategic Environmental Assessment	3	Urban and Regional Planning	Faculty of Engineering	This course examines environmental assessment in policy and planning to support sustainable development.
56	Rural Planning	3	Urban and Regional Planning	Faculty of Engineering	This course focuses on rural development in relation to natural resources, land use, and environmental sustainability.

57	Studio Laboratory Based Education (Lbe) (Housing Planning)	4	Urban and Regional Planning	Faculty of Engineering	This course applies housing planning concepts to create residential environments that are functional, healthy, and sustainable.
58	Pharmacology Of Natural Materials	2	Pharmacy	Faculty of Medicine and Health Sciences	This course explores natural materials as biological resources for learning and pharmaceutical development.
59	Natural Resources and Environmental Economics	3	Agribusiness	Faculty of Agriculture	This course examines economic approaches to the use, valuation, and management of natural resources and the environment.
60	Natural Resource & Environmental Economics	2	Agribusiness	Faculty of Agriculture	This course emphasizes the economic dimensions of environmental use, conservation, and sustainability.
61	Sustainable Agricultural Science	2	Agribusiness	Faculty of Agriculture	This course focuses on sustainable agricultural principles, resource efficiency, and environmentally responsible farming practices.
62	Agroecology		Agrotechnology	Faculty of Agriculture	This course examines ecological processes in agricultural systems and the interaction between plants, soil, and the environment.
63	Soil Science	3	Agribusiness	Faculty of Agriculture	This course studies soil properties, functions, and management as essential components of terrestrial ecosystems.
64	Basics of Soil Science	3	Agrotechnology	Faculty of Agriculture	This course introduces soil as a fundamental environmental resource and ecological medium.
65	Agroclimatology	3	Agrotechnology	Faculty of Agriculture	This course examines the influence of climate and weather on agricultural systems and environmental adaptation.
66	Sustainable Agrocomplex Systems	3	Agribusiness	Faculty of Agriculture	This course addresses integrated agricultural systems that promote sustainability across production and resource use.
67	Agricultural	3	Agribusiness	Faculty of Agriculture	This course focuses on environmental impact assessment for agricultural activities and land use practices.
68	Fisheries and Marine Agriculture	3	Agribusiness	Faculty of Agriculture	This course examines fisheries, coastal resources, and marine-based

					agricultural systems in relation to sustainability.
69	Organic Farming System	3	Agribusiness	Faculty of Agriculture	This course emphasizes environmentally friendly farming methods that reduce chemical inputs and support ecological balance.
70	Rural Community Development	3	Agribusiness	Faculty of Agriculture	This course addresses rural development in relation to natural resource use and environmental sustainability.
71	Plantation and Forestry Agribusiness	3	Agribusiness	Faculty of Agriculture	This course examines plantation and forestry-based enterprises in relation to resource management and sustainability.
72	Adaptation and Climate Change	3	Agrotechnology	Faculty of Agriculture	This course directly addresses climate change and adaptation strategies in environmental and agricultural contexts.
73	Agricultural Land Fertility	3	Agrotechnology	Faculty of Agriculture	This course examines soil fertility management as part of sustainable land and agricultural resource use.
74	Soil and Water Conservation	3	Agrotechnology	Faculty of Agriculture	This course focuses on conserving soil and water resources to maintain environmental quality and ecosystem sustainability.
75	Nutrition and Soil Health	3	Agrotechnology	Faculty of Agriculture	This course examines soil health and nutrient dynamics in relation to sustainable land management.
76	Organic Fertilizer Production Technology	3	Agrotechnology	Faculty of Agriculture	This course develops environmentally friendly fertilizer technologies that support sustainable agriculture.
77	Amdal	3	Agrotechnology	Faculty of Agriculture	This course directly addresses environmental impact assessment as a tool for managing the effects of development on the environment.
78	Agroecourism	3	Agrotechnology	Faculty of Agriculture	This course integrates agriculture, tourism, and ecological principles to promote sustainable rural development.
79	Introduction to Fisheries Science	2	Aquaculture	Faculty of Agriculture	This course introduces aquatic resources, fisheries systems, and their environmental context.

80	Soil Science and Irrigation of Pond	3	Aquaculture	Faculty of Agriculture	This course examines pond management through the interaction of soil, water, and aquaculture environments.
81	Aquatic Ecology	3	Aquaculture	Faculty of Agriculture	This course studies aquatic ecosystems, ecological interactions, and the sustainable management of water environments.
82	Introduction to Oceanography	3	Aquaculture	Faculty of Agriculture	This course examines marine processes, ocean dynamics, and their role in environmental systems.
83	Marine Biology	3	Aquaculture	Faculty of Agriculture	This course focuses on marine organisms, biodiversity, and ecosystem sustainability.
84	Sociology of Coastal Communities	2	Aquaculture	Faculty of Agriculture	This course examines the interaction between coastal communities and marine environments.
85	Limnology	3	Aquaculture	Faculty of Agriculture	This course studies inland water ecosystems and their ecological processes.
86	Water Physics	2	Aquaculture	Faculty of Agriculture	This course examines the physical properties of water as a fundamental component of aquatic ecosystems.
87	Water Quality Management	3	Aquaculture	Faculty of Agriculture	This course focuses on maintaining and improving water quality for environmental health and sustainable aquatic systems.
88	Fishery Resource Management	3	Aquaculture	Faculty of Agriculture	This course emphasizes the sustainable management and conservation of fishery resources.
89	Sustainable Fisheries	3	Aquaculture	Faculty of Agriculture	This course addresses fisheries practices that balance productivity, conservation, and long-term ecosystem sustainability.
90	Introduction to Forestry Science	2	Forestry	Faculty of Agriculture	This course introduces forest ecosystems, forestry principles, and the environmental functions of forests.
91	General Ecology	3	Forestry	Faculty of Agriculture	This course examines interactions among organisms and their environment as a foundation for understanding ecological sustainability.

92	Conservation Basics	2	Forestry	Faculty of Agriculture	This course introduces the principles of conserving natural resources and ecosystems.
93	Geology and Forest Soil Science	3	Forestry	Faculty of Agriculture	This course examines forest soils and geological conditions that influence ecosystem processes and land management.
94	Forestry Geospatial Information System	3	Forestry	Faculty of Agriculture	This course applies spatial technologies to forest resource mapping, monitoring, and environmental management.
95	Watershed Management and Microclimatology	3	Forestry	Faculty of Agriculture	This course examines watershed processes and microclimatic conditions in relation to environmental management.
96	Forest Ecology	3	Forestry	Faculty of Agriculture	This course studies forest ecosystems, ecological processes, and their significance for biodiversity and sustainability.
97	Agroforestry	3	Forestry	Faculty of Agriculture	This course integrates agriculture and forestry to support sustainable land use and ecological balance.
98	Ecotourism	3	Forestry	Faculty of Agriculture	This course promotes tourism practices that support nature conservation and sustainable environmental management.
99	Analysis of Flora and Fauna Diversity	3	Forestry	Faculty of Agriculture	This course examines biodiversity as an essential component of ecological sustainability and conservation.
100	Social Forestry	3	Forestry	Faculty of Agriculture	This course links forest management with community participation and sustainable resource use.
101	Forest Resource Conservation	3	Forestry	Faculty of Agriculture	This course focuses on conserving forest resources to maintain ecological functions and sustainability.
102	Conservation of Natural Living Resources	3	Forestry	Faculty of Agriculture	This course emphasizes the protection and sustainable use of living natural resources.
103	Environmental Pollution	3	Forestry	Faculty of Agriculture	This course directly examines sources, processes, and impacts of pollution on environmental quality.
104	Bioenergy	3	Forestry	Faculty of Agriculture	This course explores renewable energy derived from biological resources as an

					alternative to conventional energy sources.
105	Environmental Impact Analysis	3	Forestry	Faculty of Agriculture	This course focuses on analyzing the environmental consequences of development activities and projects.
106	Land Use Evaluation	3	Forestry	Faculty of Agriculture	This course assesses land capability and suitability to support sustainable land management.
107	Wildlife Management and Population Dynamics	3	Forestry	Faculty of Agriculture	This course examines wildlife conservation, habitat management, and population sustainability.
108	Forest Hydrology	3	Forestry	Faculty of Agriculture	This course studies the relationship between forests and hydrological systems in maintaining environmental balance.
109	Forestry and Environmental Policy	3	Forestry	Faculty of Agriculture	This course examines policies that govern forestry practices and environmental sustainability.
110	Community Forest Management	3	Forestry	Faculty of Agriculture	This course focuses on community-based approaches to sustainable forest management.
111	Drone Applications in Natural Resource Management	3	Forestry	Faculty of Agriculture	This course applies drone technology to monitor and manage natural resources and environmental conditions.
112	Mangrove Forest Ecology	3	Forestry	Faculty of Agriculture	This course studies mangrove ecosystems and their ecological role in coastal protection and biodiversity conservation.
113	Forest and Land Rehabilitation Planning	3	Forestry	Faculty of Agriculture	This course focuses on restoring degraded forests and land to improve ecological sustainability.
114	Management of Nature Conservation and Recreation Areas	3	Forestry	Faculty of Agriculture	This course examines the management of conservation areas to balance ecosystem protection and sustainable recreation.
115	Environmental Governance	3	Government Studies	Faculty of Agriculture	This course addresses environmental policy, governance, and institutional approaches to sustainability.
116	Coastal Area Governance	3	Government Studies	Faculty of Agriculture	This course focuses on governance frameworks for managing coastal areas and marine environmental resources.

117	Development Planning	3	Public Administration	Faculty of Agriculture	This course incorporates sustainability principles into development planning and resource management.
118	Community Empowerment	3	Government Studies	Faculty of Agriculture	This course promotes community participation in environmental management and sustainable development.
119	Basic Natural Science	2	Government Studies	Faculty of Agriculture	This course introduces basic scientific concepts that support understanding of environmental systems and processes.
120	Environmental Management	2	Biology Education	Faculty of Teacher Training and Education	This course addresses environmental management and general ecology as essential foundations for sustainability education.
121	Bioconservation	2	Biology Education	Faculty of Teacher Training and Education	This course focuses on biodiversity conservation and the protection of living resources.
122	Environmentally Based Physics Experiments	2	Physics Education	Faculty of Teacher Training and Education	This course develops physics experiments using environmental phenomena and contexts as learning resources.
123	Integrated Science Study in Elementary Schools	2	Elementary Education	Faculty of Teacher Training and Education	This course integrates science learning in elementary education with environmental themes and real-world contexts.
124	Basic Concepts of Advanced Science for Elementary School	2	Elementary Education	Faculty of Teacher Training and Education	This course strengthens advanced science concepts that can be applied to environmental understanding at the elementary level.
125	Environmental Education (PLH)	2	Elementary Education	Faculty of Teacher Training and Education	This course addresses environmental education, awareness, and responsible behavior toward sustainability.
126	Basic Geography	2	Elementary Education	Faculty of Teacher Training and Education	This course examines spatial conditions, regions, and geographical processes related to the environment.
127	Health and Nutrition	2	Early Childhood Education / Education	Faculty of Teacher Training and Education	This course connects health, nutrition, and healthy environmental conditions in child development.

128	Environmental Sociology	2	Sociology	Faculty of Teacher Training and Education	This course examines the relationship between society, human behavior, and environmental change.
129	Rural Sociology	2	Sociology	Faculty of Teacher Training and Education	This course examines rural communities in relation to natural resource dependence and environmental conditions.
130	Maritime Sociology	2	Sociology	Faculty of Teacher Training and Education	This course examines maritime communities and their social interaction with coastal and marine environments.

Makassar, March 10, 2025

Acknowledged by
Plt. Vice Rector for Academic Affairs,

Dr. Burhanuddin, S.Sos., M.Si.
NBM. 858 625

بسم الله الرحمن الرحيم

Examples of Semester Lesson Plan:

https://drive.google.com/drive/folders/155ZKA20PvwW-omgZaDbi43c_3SeskDEt?usp=sharing

1. Environmentally Based Physics Experiments

RENCANA PEMBELAJARAN SEMESTER (RPS)

	UNIVERSITAS MUHAMMADIYAH MAKASSAR **FAKULTAS KEGURUAN DAN ILMU PENDIDIKAN** **PROGRAM STUDI PENDIDIKAN FISIKA**				
RENCANA PEMBELAJARAN SEMESTER (RPS)					
NAMA MATA KULIAH	**KODE MK**	**Rumpun MK**	**BOBOT (sks)**	**SEMESTER**	**Tgl Penyusunan**
Eksperimen Fisika Berbasis Lingkungan	CW684203264	**Mata Kuliah Wajib**	**2**	**6**	**20 Mei 2020**
GKM Fakultas	**Nama Koordinator Pengembang RPS**		**Koordinator RMK**	**Ka PRODI**	
	Tim Pengembang		Dr. Nurlina, S.Si., M.Pd.	**Dr. Nurlina, S.Si., M.Pd.**	

Capaian Pembelajaran (CP)	**CPL-PRODI**	**(Capaian Pembelajaran Lulusan Program Studi)**
	S1	Bertakwa kepada Tuhan Yang Maha Esa dan mampu menunjukkan sikap religius
	S9	Menunjukkan sikap bertanggungjawab atas pekerjaan di bidang keahliannya secara mandiri
	PPBK 1	Memahami konsep teoretis fisika klasik dan modern (kuantum) secara umum
	PPK 2	Menguasai pengelolaan laboratorium untuk pembelajaran fisika
	PPK 4(c)	Memahami konsep teoretis, prinsip, metoda,dan teknik: Pengembangan alat laboratorium Fisika untuk sekolah
	PPK 5	Memahami konsep umum dan prinsip manajemen (perencanaan, operasional, pengawasan, evaluasi, dan perbaikan) laboratorium Fisika untuk sekolah
	KKBK 2	Mampu membuat perangkat pembelajaran fisika sekolah menengah melalui analisis materi subyek *(pedagogical content knowledge)* secara mandiri sesuai dengan kurikulum yang berlaku, prinsip-prinsip desain instruksional, pendekatan saintifik, memanfaatkan IPTEKS, dan lingkungan alam sekitar
	KKBK3	Mampu menganalisis masalah, menemukan sumber masalah, dan menyelesaikan masalah instrumentasi fisika dalam proses pembelajaran fisika dan masalah manajemen laboratorium fisika sesuai dengan kaidah keilmuan fisika
	KKK2	Mampu merencanakan dan mengelola sumber daya dalam penyelenggaraan kelas dan penggunaan laboratorium untuk pembelajaran Fisika

2. Bioconservation

	UNIVERSITAS MUHAMMADIYAH MAKASSAR **FAKULTAS KEGURUAN DAN ILMU PENDIDIKAN** **PROGRAM STUDI PENDIDIKAN BIOLOGI**				
RENCANA PEMBELAJARAN SEMESTER (RPS)					
MATA KULIAH (MK)	**KODE**	**Rumpun MK**	**BOBOT (sks)**	**SEMESTER**	**Tgl Penyusunan**
BIOKONSERVASI	CW840256249	Lingkungan	2	VI	1 Februari 2021
OTORISASI/PENGESAHAN **Tanggal: 1 Februari 2021**	**Dosen Pengembang RPS**		**Koordinator RMK**	**Ka PRODI**	
	Wira Yustika Rukman.,S.Farm.,Apt.,M.Kes		Wira Yustika Rukman.,S.Farm.,Apt.,M.Kes	Irmawanty, S.Si., M.Si	

Capaian Pembelajaran	**CPL-PRODI yang dibebankan pada MK**	
	S9	Menunjukkan sikap bertanggungjawab atas pekerjaan di bidang keahliannya secara mandiri
	P1	Memahami materi esensial biologi yang mencakup: 1. keanekaragaman dan keseragaman 2. pertumbuhan, perkembangan, dan diferensiasi 3. organisme dan lingkungan 4. struktur dan fungsi dalam makhluk hidup 5. pengaturan dan perilaku 6. keberlangsungan genetis (pewarisan sifat) 7. evolusi: pola dan hasil perubahan 8. bioteknologi dan biologi terapan 9. biologi sebagai proses inkuiri (penemuan)
	KU1	Mampu menerapkan pemikiran logis, kritis, sistematis, dan inovatif dalam konteks pengembangan atau implementasi ilmu pengetahuan dan teknologi yang memperhatikan dan menerapkan nilai humaniora yang sesuai dengan bidang keahliannya.
	KK6	Mampu menggunakan dan mengadaptasi teknologi informasi dan komunikasi dalam pembelajaran biologi
	KK10	Mampu menerapkan prinsip literasi sains dalam mengambil keputusan terkait isu-isu sosial sains
	KK11	Memiliki wawasan lingkungan dan mampu mengaplikasikannya dalam menyelesaikan masalah terkait isu lingkungan global

3. Environmental Management

	UNIVERSITAS MUHAMMADIYAH MAKASSAR FAKULTAS KEGURUAN DAN ILMU PENDIDIKAN PROGRAM STUDI PENDIDIKAN BIOLOGI				
RENCANA PEMBELAJARAN SEMESTER (RPS)					
MATA KULIAH (MK)	KODE	Rumpun MK	BOBOT (sks)	SEMESTER	Tgl Penyusunan
PENGELOLAAN LINGKUNGAN	CW840255237	Lingkungan	2	V	1 Agustus 2020
OTORISASI/PENGESAHAN Tanggal: 1 Agustus 2020	Dosen Pengembang RPS		Koordinator RMK	Ka PRODI	
	Muhammad Wajdi, S.Pd.,M.Pd		Muhammad Wajdi, S.Pd.,M.Pd	Irmawanty, S.Si., M.Si	

Capaian Pembelajaran	CPL-PRODI yang dibebankan pada MK	
	S9	Menunjukkan sikap bertanggung jawab atas pekerjaan di bidang keahliannya secara mandiri
	P1	Memahami materi esensial biologi yang mencakup: 1. keanekaragaman dan keseragaman 2. pertumbuhan, perkembangan, dan diferensiasi 3. organisme dan lingkungan 4. struktur dan fungsi dalam makhluk hidup 5. pengaturan dan perilaku 6. keberlangsungan genetis (pewarisan sifat) 7. evolusi: pola dan hasil perubahan 8. bioteknologi dan biologi terapan 9. biologi sebagai proses inkuiri (penemuan)
	KU1	Mampu menerapkan pemikiran logis, kritis, sistematis, dan inovatif dalam konteks pengembangan atau implementasi ilmu pengetahuan dan teknologi yang memperhatikan dan menerapkan nilai humaniora yang sesuai dengan bidang keahliannya.
	KU3	Mampu mengkaji implikasi pengembangan atau implementasi ilmu pengetahuan teknologi yang memperhatikan dan menerapkan nilai humaniora sesuai dengan keahliannya berdasarkan kaidah, tata cara dan etika ilmiah dalam rangka menghasilkan solusi, gagasan, desain atau kritik seni;

4. Sustainable Agricultural Science

	UNIVERSITAS MUHAMMADIYAH MAKASSAR FAKULTAS PERTANIAN PROGRAM STUDI AGRIBISNIS					
RENCANA PEMBELAJARAN SEMESTER						
NAMA MATA KULIAH	KODE MK	RUMPUN MK	BOBOT (SKS)		SEMESTER	TGL PENYUSUNAN
Ilmu Pertanian Berkelanjutan	CW6542012104	MKK	T=1	P=1	Ganjil	13 Agustus 2019
UPM FAKULTAS	NAMA PENYUSUN RPS	KOORDINATOR RMK	KA PRODI			
Dr. Irma Sribianti, S.Hut, MP	Dr. Dewi Sartika S.TP., M.Si	Dr. Ir. Muh. Arifin Fattah, M.Si	Dr. Sri Mardiyati, SP., MP			

CAPAIAN PEMBELAJARAN (CPL – CPMK – Sub CPMK)	CAPAIAN PEMBELAJARAN LULUSAN YANG DIBEBANKAN PADA MK (CPL)	
	CPL1 (S6)	Bekerja sama dan memiliki kepekaan sosial serta kepedulian terhadap masyarakat dan lingkungan
	CPL2 (S9)	Menunjukkan sikap bertanggung jawab atas pekerjaan di bidang keahliannya secara mandiri
	CPL3 (P1)	Menguasai pengetahuan dan teknologi dalam bidang pertanian dan agribisnis secara
	CPL4 (KU1)	Mampu menerapkan pemikiran logis, kritis, sistematis, dan inovatif dalam konteks pengembangan atau implementasi ilmu pengetahuan dan teknologi yang memperhatikan dan menerapkan nilai humaniora yang sesuai dengan bidang keahliannya.
	CPL5 (KK1)	Mampu menerapkan bisnis pertanian secara professional, inovatif, dan berkelanjutan melalui analisis kuantitatif dan kualitatif, sehingga menghasilkan desain dan operasional bisnis pertanian yang dapat mengantisipasi berbagai tantangan lokal maupun global.
	CPL6 (KK2)	Mampu mengidentifikasi, merumuskan, dan menganalisis masalah, potensi, dan prospek bisnis pertanian, serta alternatif pengambilan keputusan melalui implementasi metode kuantitatif dan kualitatif
	CAPAIN PEMBELAJARAN MATA KULIAH (CPMK)	
	CPMK1	Mampu mengkaji dan menjelaskan mengenai peerapan konsep keberlanjutan pada ilmu pertanian.
	CPMK2	Mampu memahami dan mengkaji faktor-faktor yang berpengaruh dalam pengembangan sektor pertanian.

5. Emergency Nursing and Disaster Management

UNIVERSITAS MUHAMMADIYAH MAKASSAR FAKULTAS KEDOKTERAN DAN ILMU KESEHATAN PROGRAM STUDI D III KEPERAWATAN							
RENCANA PEMBELAJARAN SEMESTER							
NAMA MATA KULIAH	KODE MK	RUMPUN MK	BOBOT (SKS)			SEMESTER	TGL PENYUSUNAN
PKK GADAR 1	MKKK 19.16E	KEPERAWATAN KLINIK	T=0.	P= 0	K= 3	VI	26 Februari 2025
GKM FAKULTAS	NAMA PENYUSUN RPS		KOORDINATOR RMK			KA PRODI	
dr. Yasser Ahmad Fananie, MHA, M. MR	1. Muhammad Purqan Nur, S.Kep. M.Kes. 2. Muhammad Sahlan, S.Kep., Ns., M.Kep., Sp.KMB 3. Rahmawati, S.Kp, M.Kes		Muhammad Purqan Nur, S.Kep. M.Ke			Ratna Mahmud, S. Kep Ns. M. Kep	

CAPAIAN PEMBELAJARAN (CPL – CPMK – Sub CPMK)	CAPAIAN PEMBELAJARAN LULUSAN YANG DIBEBANKAN PADA MK (CPL)	
	S7	Menunjukkan Sikap bertanggungjawab atas pekerjaan dibidang keahliannya secara mandiri
	P11	Menguasai konsep dan prinsip kegawatdaruratan dan manajemen bencana;
	KU1	Menyelesaikan pekerjaan berlingkup luas dengan menganalisis data serta metode yang sesuai dan dipilih dari beragam metode yang sudah maupun belum baku dengan menganalisis data
	KK1	Memberikan asuhan keperawatan kepada individu, keluarga, dan kelompok baik sehat, sakit, dan kegawatdaruratan dengan memperhatikan aspek bio, psiko, social kultural, dan spiritual yang menjamin keselamatan klien, sesuai standar asuhan keperawatan
	KK2	Mampu mengelola asuhan keperawatan sesuai kewenangan klinis
	KK3	Mampu melaksanakan prosedur bantuan hidup dasar dan trauma pada situasi gawat darurat dan manjemen bencana

6. Aquatic Ecology

UNIVERSITAS MUHAMMADIYAH MAKASSAR FAKULTAS PERTANIAN PROGRAM STUDI BUDIDAYA PERAIRAN						
RENCANA PEMBELAJARAN SEMESTER						
NAMA MATA KULIAH	KODE MK	RUMPUN MK	BOBOT (SKS)		SEMESTER	TGL PENYUSUNAN
Ekologi Perairan	CW6542433106	Budidaya Perairan	T=2	P=1	Ganjil	10 Agustus 2023
GKM PASCASARJANA	NAMA PENYUSUN RPS		KOORDINATOR RMK		KA PRODI	
Dr. Irma Sribianti, S.Hut.,M.Hut	Farhanah Wahyu, S.Pi.,M.Si. Akmaluddin, S.Pi.,M.Si.		Farhanah Wahyu, S.Pi.,M.Si.		Asni Anwar, S.Pi.,M.Si.	

CAPAIAN PEMBELAJARAN (CPL – CPMK – Sub CPMK)	CAPAIAN PEMBELAJARAN LULUSAN YANG DIBEBANKAN PADA MK (CPL)	
	CPL 1 (S6)	Bekerjasama dan memiliki kepekaan sosial serta kepedulian terhadap masyarakat dan lingkungan
	CPL 2 (PP3)	Memahami konsep pengelolaan kualitas lingkungan budidaya perairan
	CPL 3 (KU1)	Mampu menerapkan pemikiran logis, kritis, sistematis, dan inovatif dalam konteks pengembangan atau implementasi ilmu pengetahuan dan teknologi yang memperhatikan dan menerapkan nilai humaniora yang sesuai dengan bidang keahliannya
	CPL 4 (KK3)	Mampu mengelola dan menjaga kualitas lingkungan budidaya perairan khususnya perairan payau dan laut
	CAPAIN PEMBELAJARAN MATA KULIAH (CPMK)	
	CPMK1	Mampu memberikan definisi ruang lingkup Ekologi Perairan
	CPMK2	Mampu menjelaskan konsep konsep mengenai ekosistem perairan dan peran organisme
	CPMK3	Mampu membandingkan Ekologi air tawar, estuaria, dan laut

7. Health Promotion

UNIVERSITAS MUHAMMADIYAH MAKASSAR FAKULTAS KEDOKTERAN DAN ILMU KESEHATAN PROGRAM STUDI D III KEPERAWATAN					
RENCANA PEMBELAJARAN SEMESTER					
NAMA MATA KULIAH	KODE MK	RUMPUN MK	BOBOT (SKS)	SEMESTER	TGL PENYUSUNAN
PROMOSI KESEHATAN	MKH19.4B	HUMANIORA	T=2 P=0	TIGA	30 Oktober 2025
UPM FAKULTAS	NAMA PENYUSUN RPS		KOORDINATOR RMK	KA PRODI	
Dr. Bramantyas Kusuma Hapsari, M.Sc	1. Muhammad Yusuf, SKM,M.Kes 2. Riski Muhammad Akbar Kaharuddin, S.Kep., Ns., M.Kep., Sp., Kep.K.		Muhammad Yusuf, SKM,M.Kes	Dr. Sitti Zakiyyah Putri, S.,ST.,M.Kes.	

CAPAIAN PEMBELAJARAN (CPL – CPMK – Sub CPMK)		
	CPL1 (S)	Bertakwa kepada Tuhan Yang Maha Esa
	CPL2 (P)	Menguasai konsep, prinsip, dan teknik promosi kesehatan; (CP.P.10)
	CPL3 (KU)	Mampu melakukan komunikasi terapeutik dan menguasai keterampilan dasar keperawatan untuk melakukan asuhan keperawatan kepada klien melalui kerja tim (CP.P.03)
	CPL4 (KK)	Mampu melaksanakan promosi kesehatan untuk meningkatkan pola hidup sehat klien dan menurunkan angka kesakitan; (CP.KK.07)
	CAPAIN PEMBELAJARAN MATA KULIAH (CPMK)	

8. Environmental Knowledge

RENCANA PEMBELAJARAN SEMESTER PROGRAM STUDI ARSITEKTUR FAKULTAS TEKNIK UNIVERSITAS MUHAMMADIYAH MAKASSAR					
Nama Mata Kuliah:	Kode:	Rumpun MK:	Bobot (sks):	Semester:	Direvisi
Pengetahuan Lingkungan/ AMDAL	CW6232012207	MKDK	2 (dua)	II (dua)	2025
Otorisasi:	Pengembangan RPS:		Koordinator RMK:		Ka Prodi:
	Tim Kurikulum Prodi Arsitektur Unismuh		Nurhikmah Paddiyatu, ST., MT., C.Ed., IAP.		Ar. Hj. Citra Amalia Amal, ST., MT., IAI,

Capaian Pembelajaran :	**Program Studi :** ✓ Mampu menerapkan pemikiran logis, kritis, sistematis, dan inovatif dalam konteks pengembangan atau implementasi ilmu pengetahuan dan teknologi yang memperhatikan dan menerapkan nilai humaniora yang sesuai dengan bidang keahliannya **Mata Kuliah :** • Mahasiswa mampu menjadi ilmuwan dan profesional di bidang arsitektur yang memiliki pengetahuan dan kepekaan terhadap masalah-masalah lingkungan hidup, serta aktif berkontribusi dalam mewujudkan agenda pembangunan lingkungan hidup berkelanjutan melalui penerapan eko-arsitektur. .
Deskripsi Singkat MK :	Dalam perkuliahan akan dibahas mengenai teori-teori lingkungan, analisis mengenai dampak lingkungan hidup, dan isu-isu lingkungan yang berkaitan dengan arsitektur.
Pustaka	**Utama :** 1. Soeriaatmadja. 1997. *Ilmu Lingkungan.* Cetakan Ketujuh. Penerbit ITB: Bandung 2. Fandeli, Chafid. 2018. *Analisis Mengenai Dampak Lingkungan dalam Pembangunan Berbagai Sektor. Cetakan 2.* Gadjah Mada University Press. 3. Yusuf Al-Qaradawi. 2002. Islam Agama Ramah Lingkungan. cet.1. Pustaka Al-Kautsar. **Pendukung :** 4. Hadi, S.P., 2009. *Aspek Sosial AMDAL.* Gadjah Mada University Press. 5. Arif Kusumawanto , Zulaikha Budi Astuti. 2017. Arsitektur Hijau dalam Inovasi Kota. Cetakan 2. Gadjah Mada University Press. 6. Aca Sugandhy, Rustam Hakim. 2009. Prinsip Dasar Kebijakan Pembangungan Berkelanjutan Berwawasan Lingkungan. Penerbit Bun

9. River Engineering

RENCANA PEMBELAJARAN SEMESTER (RPS)

	UNIVERSITAS MUHAMMADIYAH MAKASSAR FAKULTAS TEKNIK JURUSAN / PROGRAM STUDI TEKNIK PENGAIRAN				
RENCANA PEMBELAJARAN SEMESTER (RPS)					
NAMA MATA KULIAH	KODE MK	Rumpun MK	BOBOT (sks)	SEMESTER	Tgl Penyusunan
TEKNIK SUNGAI I		Mata kuliah wajib	2	IV	17 Agustus 2018
OTORISASI	Nama Koordinator Pengembang RPS		Koordinator RMK	Ka PRODI	
	Amrullah Mansida, S.T., M.T.		Amrullah Mansida, S.T., M.T.	Andi Muh. Makbul Syamsuri, S.T.M.T.	

Capaian Pembelajaran (CP)	CPL-PRODI (Capaian Pembelajaran Lulusan Program Studi)	
Catatan : S : Sikap P : Pengetahuan KU : Ketermpilan Umum KK : Keterampilan Khusus		**SIKAP**
	S01	Bertakwa kepada Tuhan yang Maha Esa dan mampu menunjukkan Sikap regius;
	S03	Berkontribusi dalam peningkatan mutu kehidupan bermasyarakat, berbangsa, bernegara, dan kemajuan peradaban berdasarkan pancasila;
	S04	Berperan sebagai warga social yang bangga dan cinta tanah air, memiliki nasionalisme serta rasa tanggungjawab pada social dan bangsa;
	S07	Bekerja sama dan memiliki kepekaan sosial serta kepedulian terhadap masyarakat dan lingkungan;
	S08	Menunjukkan sikap bertanggungjawab atas pekerjaan di bidang keahliannya secara mandiri;
		PENGETAHUAN
	P01	Memiliki keahlian dasar dalam bidang ilmu teknik pengairan;
	P02	Mengusai dasar-dasar teori perencanaan, pengelolaan, pelaksanaan, pengoperasian, pemeliharaan sumber daya air;
	P04	Menguasai konsep perencanaan, pengelolaan, pelaksanaan, pengoperasian, pemeliharaan sumber daya air;
	P05	Mampu mengembangkan penyediaan sarana dan prasarana sumber daya air, serta management sumber daya air;
	P06	Mampu mengembangkan ilmu pengetahuan dan teknologi khususnya dalam bidang sumber daya air dan senantiasa menyesuaikan diri dengan kemajuan ilmu pengetahuan dan teknologi dalam bidang tersebut;
		KETERAMPILAN UMUM

10. Reservoir Planning and Management

	UNIVERSITAS MUHAMMADIYAH MAKASSAR FAKULTAS TEKNIK PROGRAM STUDI TEKNIK PENGAIRAN					
RENCANA PEMBELAJARAN SEMESTER						
NAMA MATA KULIAH	KODE MK	RUMPUN MK	BOBOT (SKS)		SEMESTER	TGL PENYUSUNAN
PERENCANAAN DAN PENGELOLAAN WADUK		Hidrologi Teknik Dasar, Pengembangan Sumber Daya Air berkelanjutan, Teknik Bendungan 1 dan 2	T=2	P=0	4	
FAKULTAS TEKNIK	NAMA PENYUSUN RPS		KOORDINATOR RMK		KA PRODI	
	Dr. Amrullah Mansida, ST.MT. Asean Eng. Muh. Amir Zainuddin, S.T,MT.		Dr. Ir. Abd. Rakhim Nanda, ST.MT. IPU Dr. Amrullah Mansida, ST.MT. Asean Eng.		Ir. M. Agussalim, ST.MT.	

CAPAIAN PEMBELAJARAN (CPL – CPMK – Sub CPMK)	CAPAIAN PEMBELAJARAN LULUSAN YANG DIBEBANKAN PADA MK (CPL)	
	CPL-PP2:	Mampu Menguasai dan menggembangan teori pemodelan Sumber daya air di daerah aliran Sungai berkelanjutan
	CPL-PP2:	Mampu mengembangkan ilmu pengetahuan dan teknologi khususnya dalam bidang sumber daya air dan senantiasa menyesuaikan diri dengan kemajuan ilmu pengetahuan dan teknologi dalam bidang tersebut;
	CPL PP3	Mampu menguasai dan mengembangkan teori pemodelan hidrologi (*hydrologic modelling*) dan hidrolika (*hydraulic modelling*) dan aplikatif pada Daerah Aliran Sungai ataupun sekitar badan air sungai
	CPL-PP4	Mampu menguasai dan mengembangkan rekayasa infrastruktur untuk pendayagunaan sumber daya air yang berkelanjutan