



Bachelor Program in Geophysics

Faculty of Mathematics and Natural Sciences
HASANUDDIN UNIVERSITY

6. Maritime Culture and Science & Technology Awareness

Module Name	:	Maritime culture and science & technology Awareness														
Module Level	:	Bachelor														
Code, if applicable	:	23U01111002														
Subtitle, if applicable	:	-														
Courses, if applicable	:	Geophysics														
Semester(s) in which the module is taught	:	I (First Semester)														
Module coordinator(s)	:	Dr. Nur Umriani Permatasari, S.Si.,M.Si.														
Lecturer(s)	:	Prof. Dr. Munsil Lampe, MA., Prof. Dr. Ir. Musrizal Muin, M.Sc., Prof. Dr. Ir. Indrabayu, S.T., M.T., M.Bus.Sys., IPM., ASEAN.Eng., Rahmatullah, SIP., M.Si., Dr. rer.nat. Ir. Zainal, STP., M.Food.Tech., Dr. Nur Umriani Permatasari, S.Si.,M.Si., Dr. Ahmad Ismail, S.Sos., M.Si.														
Language	:	Bahasa (Indonesian language)														
Relation to curriculum	:	Compulsory course in the first year for Bachelor Degree in Geophysics														
Type of teaching, contact hours	:	Contact hours for each teaching method: lecture, lesson, practical, project, seminar, etc <table><tr><th>Teaching Method</th><th>Contact Hours Per Week</th><th>Class Size</th></tr><tr><td>Lecture</td><td>1.7</td><td>40</td></tr><tr><td>Exercises (structured assignment & independent learning)</td><td>4.0</td><td>40</td></tr><tr><td>Practical</td><td>-</td><td>-</td></tr></table>			Teaching Method	Contact Hours Per Week	Class Size	Lecture	1.7	40	Exercises (structured assignment & independent learning)	4.0	40	Practical	-	-
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Practical	-	-														
Workload	:	(Estimated) workload, divided into contact hours (lecture, private study, fieldwork, and laboratory session), examination preparation, specified in hours. <table><tr><th>Contact Hours Per Week</th><th>Private study per week</th><th>Semester Workload</th><th>ECTS Credit</th></tr><tr><td>1.7</td><td>4.0</td><td>91.2 h</td><td>3.2</td></tr></table>			Contact Hours Per Week	Private study per week	Semester Workload	ECTS Credit	1.7	4.0	91.2 h	3.2				
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1.7	4.0	91.2 h	3.2													
Credit points	:	2 SKS (3.2 ECTS)														
Requirements according to the examination regulations	:	Students are eligible to attend the examination if their absences are less than 20% of the lectures														
Recommended prerequisites	:	-														
Module objectives/intended learning outcomes	:	After completion of this module, students will be able to:														



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	CLO 1. Students are able to internalize humanistic and environmentally wise cultural and scientific values based on BMI; CLO 2. Students are able to describe the values of maritime culture and science and technology based on BMI as independent and characterful individuals and have a spirit of social sensitivity; CLO 3. Students are able to think critically, systematically and innovatively and communicate effectively regarding cultural and IPTEKS insights based on BMI which are humanistic and environmentally wise. The following is the mapping of the ILO and the CLO of this course: <table><tr><td></td><td>ILO 8</td><td>ILO 9</td><td>ILO 11</td></tr><tr><td>CLO 1</td><td>✓</td><td></td><td></td></tr><tr><td>CLO 2</td><td></td><td></td><td>✓</td></tr><tr><td>CLO 3</td><td></td><td>✓</td><td></td></tr></table>		ILO 8	ILO 9	ILO 11	CLO 1	✓			CLO 2			✓	CLO 3		✓	
	ILO 8	ILO 9	ILO 11														
CLO 1	✓																
CLO 2			✓														
CLO 3		✓															
Content	: 1. Vision and concept of the Indonesian Maritime Continent (BMI) 2. Geography and potential marine natural resources of the Indonesian Maritime Continent 3. Maritime history, society, and institutions 4. Maritime culture and cultural values 5. Concepts of knowledge, science, and technology, and the relationship between science and technology 6. Development of technology and its impacts 7. Concepts of art and beauty in relation to the substance of science and technology 8. Integrity and ethics in science and technology (IPTEKS), and the influence of technological development on resource management and environmental sustainability in the Indonesian Maritime Continent (BMI)																



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Study and examination requirements	Participants are marked based on their performance in theory: Colaborative Learning (20%), Case study (38%) and Project base learning (42%). Students are marked based on their percentage of points obtained and based on the following grade scale: <table><tr><th>Percentage of Achievement</th><th>Grade</th><th>Conversion Value</th></tr><tr><td>85 – 100</td><td>A</td><td>4.00</td></tr><tr><td>80 - <85</td><td>A-</td><td>3.75</td></tr><tr><td>75 - < 80</td><td>B+</td><td>3.5</td></tr><tr><td>70 - < 75</td><td>B</td><td>3.0</td></tr><tr><td>65 - < 70</td><td>B-</td><td>2.75</td></tr><tr><td>60 - < 65</td><td>C+</td><td>2.5</td></tr><tr><td>50 - < 60</td><td>C</td><td>2.00</td></tr><tr><td>40 - < 50</td><td>D</td><td>1.00</td></tr><tr><td>< 40</td><td>E</td><td>0.00</td></tr></table>	Percentage of Achievement	Grade	Conversion Value	85 – 100	A	4.00	80 - <85	A-	3.75	75 - < 80	B+	3.5	70 - < 75	B	3.0	65 - < 70	B-	2.75	60 - < 65	C+	2.5	50 - < 60	C	2.00	40 - < 50	D	1.00	< 40	E	0.00
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40 - < 50	D	1.00																													
< 40	E	0.00																													
Exams and assessment formats	Lecture: - Assignments - Discussion - Presentations																														
Reading list	1. Main References: 2. Lampe, M. 2022. Buku Ajar Kemaritiman: Wawasan Sosial Budaya Maritim Indonesia. ISBN. 9789795304487. Penerbit Unhas Press. 3. Dewan Hankamnas-BPP Teknologi. 1996. BMI (Benua Maritim Indonesia). Jakarta: Direktorat Teknologi Inventarisasi Sumberdaya Alam. 4. Benardie, Hakim SP. 2003. Sejarah Maritim Indonesia. Proyek Pengkajian Kebijakan Kelautan, Sekretaris Jenderal Departemen Kelautan dan Perikanan RI. 5. Kasim, S. 2017. Filosofi Wawasan Ipteks (Buku Ajar Unhas). ISBN: 978-602-6332-12-7. Pustaka Pena Press.Makassar.																														



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6. Tim Dosen Wawasan Ipteks Unhas, 2013, Buku Ajar Wawasan Ipteks UPT MKU UNHAS, Edisi ke 6. Unhas, Makassar.
7. Usman, H., dkk. 2014. Buku Ajar Wawasan Ipteks (Menggunakan Pendekatan Learning). UPT MKU UNHAS. ISBN:978-602-99757-8-9. Percetakan Offset CV. Gelora. Makassar.

Additional References:

1. DKP. 2007. United Nations Convention On The Law of The Sea (UNCLOS, DMI, Jakarta.
2. Gani, Radi A. Dkk (Tim Penyusun). 1999. Kerangka Kebijakan Pengembangan Pola Ilmiah Pokok. Universitas Hasanuddin Makassar.
3. Joko, Pramono. 2005. Budaya Bahari. Penerbit PT Gramedia Pustaka Utama Jakarta.
4. Lampe, Munsu. 2021. Pelayaran dan Reproduksi Wawasan Kesatuan Geo-Sosial-Budaya Maritim Nusantara/Indonesia: Sebuah Fokus Studi Antropologi Maritim. Disampaikan pada Upacara Penerimaan Jabatan Guru Besar dalam Bidang Antropologi Maritim pada Fakultas Ilmu Sosial dan Ilmu politik Universitas Hasanuddin di Depan Rapat Senat Terbuka Luar Biasa Universitas Hasanuddin, Selasa, 30 November 2021 di Makassar.
5. Hamid, Abd. Rahman. 2020. Sejarah dan Budaya Maritim Indonesia. Yogyakarta: Ombak
6. Paeni, Mukhlis. 1995. Upaya Memahami Kebudayaan Maritim. Makalah disumbangkan dalam Lokakarya Mata Kuliah Dasar Umum B Fakultas Sastra Unhas.
7. Sallatang, Arifin. 1982. Pinggawa-Sawi: Suatu Studi Kelompok Kecil (Disertasi) Universitas Hasanuddin
8. Simangunsong, Bonar. 2015. Laut Masa Depan Indonesia. Jakarta: Penerbit Gramedia.
9. Tim Penyusun Jati Diri Unhas. 2009. Aktualisasi Identitas (Jati Diri) Universitas Hasanuddin. Makassar.
10. Dadang Ahmad S., 2009. Materi Lokakarya Mata Kuliah Wawasan Ipteks UPT MKU Unhas (Gabungan Materi Pembelajaran IPTEKS), Makassar.
11. Kartono, H. 2003. Pencemaran Lingkungan. Dirjen Dikti, Depdiknas, Jakarta.



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	12. Kosela, S. 2003. Ilmu Pengetahuan dan Teknologi bagi Kehidupan manusia. Dirjen Dikti., Depdiknas, Jakarta. 13. Mappadjantji Amien, 2009. Wawasan Ipteks (Filosofi dan Kerangka Konsep), Materi Lokakarya mata KuliahWastek UPT MKU Unhas, Makassar. 14. Masnur Muchlis, 2011. Pendidikan Karakter, Menjawab Tantangan Krisis Multidimensial. PT. Bumi Aksara,Cetakan ke dua. Jakarta. 15. Stock, Paul and Rob J.F. Burton, Journal of Sustainability, 2011. ISSN 2071-1050, 3, 1090-1113; doi;10.3390/su3081090 16. Suriasumantri, Jujun. 2003. Filsafat Ilmu Sebuah Pengantar Populer. Pustaka Sinar Harapan, JakartaNotonagoro. 1994. Pancasila Secara ilmiah Populer. Jakarta: Bumi Aksara. 16. Kaelan. 2000. Pendidikan Pancasila. Yogyakarta: Paradigma. 17. Yudi Latif. 2017. Negara Paripurna. Jakarta: Gramedia Anwar Arifin. 2018. Pancasila Ideologi Tengah tanpa Oposisi. Jakarta: Nufa Citra Mandir
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