MODUL HANDBOOK

PUBLIC HEALTH STUDY PROGRAM

Universitas Islam Negeri
SYARIF HIDAYATULLAH JAKARTA

FACULTY OF HEALTH SCIENCES
UIN SYARIF HIDAYATULLAH JAKARTA
2024

SEMESTER 1

Module designation	Islamic Studies I
Code of Course	KES 1010
Semester(s) in which the module is taught	I
Person responsible for the module	Drs. Abdul Haris, M.Ag
Language	Indonesian
Relation to curriculum	Compulsory course
Teaching methods	Collaborative learning & discussion-based learning, self directed learning, presentation
Workload (incl. contact hours, self- study hours)	• Lecture (class): (2 x 50 min x 14 wks) / 60 min = 23,33 h • Structured activities and Self study: (2 x 56 min x 16 wks) / 60 min * 2 times = 59,73 h • Exam: (2 x 50 min) x 2 times / 60 min = 3.33 h Total = 86,39 hours
Credit points	2 Credit Hours ≈ 2,88 ECTS
Required and recommended prerequisites for joining the module	-
Module objectives/intended learning outcomes	1. Have the ability to understand the meaning, origins, types, elements and functions of religion for human life; 2. Have the ability to understand the meaning of Islam, its characteristics, similarities and differences with other religions, sources and main points of Islamic teachings 3. Have the ability to understand aspects of Islamic teachings regarding worship, spiritual and moral practice, Islamic history and culture, politics, education, da'wah, society and gender equality in Islam. 4. Have the ability to understand aspects of Islamic teachings regarding theology, philosophy, Sufism/tareqat, fiqh and Islamic reform in a comprehensive, complete and refreshing manner. 5. Have the ability to understand contemporary issues regarding the contribution of Islam to world civilization; the development of Islam in the world, especially Europe/West, Islam as a world religion and civilization; 6. Have the ability to understand Islam in Indonesia comprehensively and rationally regarding the entry of Islam into Indonesia, Islamic Archipelago, Islamic kingdoms in Indonesia, the birth of religious and social organizations in Indonesia, challenges and opportunities for the development of Islam in the future, as well as efforts to realize a person with an Islamic, modern and Indonesian outlook
Content	1. Definition, origins, types, elements and functions of religion for human life; 2. understanding of Islam, characteristics, similarities and differences with other religions, sources and main points of Islamic teachings 3. Aspects of Islamic teachings regarding worship, spiritual and moral training, Islamic history and culture, politics, education, da'wah, society and gender equality in Islam. 4. Aspects of Islamic teachings regarding theology, philosophy, Sufism/tareqat, fiqh and Islamic renewal in a comprehensive, complete and refreshing manner. 5. Contemporary issues regarding Islam's contribution to world civilization; the development of Islam in the world, especially Europe/West, Islam as a world religion and civilization; 6. Islam in Indonesia
Examination forms	Written examination

Study and examination requirements	1. Minimum lecture attendance of 80% 2. Completed structured academic assignment 3. Not commit acts of fraud such as cheating or other acts of fraud
Reading List	1. Abdullah, Amin, *Studi Islam Normativitas atau Historisitas*, (Yogyakarta:Pustaka Pelajar, 1996) 2. Abdullah, Taufik, *Islam dan Masyarakat Pantulan Sejarah Indonesia*, (Jakarta:LP3ES, 1987), cet. I. 3. Abdullah, Yatimin, *Studi Islam Kontemporer*, (Jakarta:AMZSAH, 2006), cet. I. 4. Azra, Azyumardi*, Indonesia, Islam and Democracy:Dynamics in Global Context*, (Jakarta:SOLISTICE, ICIP, The Asia Foundation, 2006). 5. ----------, *Jaringan Global dan Lokal Islam Nusantara*, (Bandung:Mizan, 1423 H./2002 M.). 6. Bahesti, Mahmud Husaini, dan Jawad Bahran*, Intisari Islam*, (Jakarta:Lentera, 2005); 7. Benda, Harry J., *Bulan Sabit dan Matahari Terbit-Islam Indonesia pada Masa Pendudukan Jepang*, (Jakarta:Pustaka Jayam 1985), cet. II. 8. Connoly, Peter, *Aneka Pendekatan Studi Agama (The Approaches Studi of Religi*on), (Jakarta:LKIS, 2002), cet. I. 9. Dirks, Jerald F., *Abrahamic Faiths, Titik Temu dan Titik Seteru*, (Jakarta:Serambi Ilmu Semesta, 2006). 10. Dermenghen, Emile, *Muhammad and The Islamic Tradition*, (New York:The Overlook Press, 1981); 11. Fuller, Graham E., *A World Without Islam*, (New York-Boston-London: Little Brown Company, tp. Th). 12. Grunebaum, Gustave E.Von*, Islam Kesatuan dalam Keragaman*, (Jakarta:Indraka, 1975). 13. Hamid, Syamsul Rizak, *Buku Pintar Agama Islam*, (Bogor: Salam, 2003), cet. XII. 14. Hamka, *Pelajaran Agama Islam*, (Jakarta:Bulan Bintang, 1978), cet. VI. 15. Hasan, Muhammad Tholchah, *Islam dalam Perspektif Sosio Kultural*, (Jakarta:Lantabora Press, 2000); 16. Hidayat, Komaruddin dan Ahmad Gaus AF, *Menjadi Indonesia: 13 Abad Eksistensi Islam di Bumi Nusantara,* (Bandung:Mizan, 2006), cet. I. 17. ----------, *Islam, Negara dan Civil Society: Gerakan dan Pemikiran Islam Kontemporer,* (Jakarta:Paramadina, 2005); 18. Huda, Nor, Islam Nusantara, *Sejarah Sosial Intelektual Islam di Indo*nesia, (Jakarta:Ar-Ruzz Media Grroup, 2007), cet. I. 19. Iqbal, Muhammad, Membangun Kembali Pikiran Agama dalam Islam, (Jakarta:Tintamas, 1996).

Module designation	Pancasila
Code of Course	NAS 61112201
Semester(s) in which the module is taught	I
Person responsible for the module	DR. Haniah Hanafie, M.Si
Language	Indonesian
Relation to curriculum	Compulsory course
Teaching methods	Collaborative learning & discussion-based learning, presentation
Workload (incl. contact hours, self-study hours)	• Lecture (class): (2 x 50 min x 14 wks) / 60 min = 23.33 h • Structured activities and Self study: (2 x 56 min x 16 wks) /60 min * 2 times = 59.73 h • Exam: (2 x 50 min) x 2 times / 60 min = 3.33 h • Total = 86,39 hours
Credit points	2 Credit Hours ≈ 2,88 ECTS
Required and recommended prerequisites for joining the module	-
Module objectives/intended learning outcomes	1. Indonesian and social values, academic values that will be developed: critical thinking, curiosity, honesty and accuracy. tolerance, and objectivity. 2. Carrying out observation activities, literature reviews related to themes relevant to Pancasila as well as compiling the results of observations and literature studies and communicating them 3. Describes the concept of Pancasila which includes Pancasila as a source of ethics, character and inspiration for the nation and state. 4. Carry out, plan, organize and control observation activities related to Pancasila collaboratively and cooperatively with full responsibility, integrity and ability to use information technology
Content	Pancasila Course (*Civic Education*) is one of the courses that all UIN Syarif Hidayatullah Jakarta students must take, which substantively covers the four basic national consensuses: Pancasila, the 1945 Constitution, the Unitary State of the Republic of Indonesia (NKRI), and Bhinneka Tunggal Ika. Through a student-centered learning approach (*Student Centered Learning*). The learning process for this course is oriented as an effort to make Pancasila a source of values, character and inspiration for national and state life in Indonesia and as an effort to actualize Pancasila values in all aspects of national and state life.
Examination forms	Written examination
Study and examination requirements	1. Minimum lecture attendance of 80% 2. Completed structured academic assignment 3. Not commit acts of fraud such as cheating or other acts of fraud
Reading List	1. Materi Ajar Mata Kuliah Pendidikan Pancasila , Direktorat Pembelajaran Dan Kemahasiswaan Direktorat Jenderal Pendidikan Tinggi Departemen Pendidikan Nasional Kemente rian Pendidikan Dan Kebudayaan Republik Indonesia, 2013 2. A. Ubaedillah Pendidikan Kewarganegaraan: Pancasila, Demokrasi, dan Pencegahan Korupsi Jakarta: Prenada Media, 2015. 3. A. Ubaedillah dan Abd. Rozak, Pendidikan Kewarganegaraan: Pancasila, Demokrasi, dan Masyarakat Madani. Jakarta: Prenada Media, 2015.

	4. Ketut Rindjin, Pendidikan Pancasila Untuk Perguruan *Tinggi*. CV Prima Grafika 2012 5. Kaelan dam Achmad Zubaedi, Pendidikan Kewarganegaraan. Paradigma Yogyakarta. 2010 6. Abdul Aziz Wahab dan Sapriya. Pendidikan Kewarganegaraan. Alfabeta. 2011 7. Syahrial Syarbaini, Pancasila Di Perguruan Tinggi. Galia Indonesia

Module designation	Socio-Health Anthropology
Code od Course	ANT 6001
Semester(s) in which the module is taught	I
Person responsible for the module	Dr. M. Farid Hamzens, M.Si
Language	Indonesian
Relation to curriculum	Compulsory course
Teaching methods	Collaborative learning & discussion-based learning, structured activities
Workload (incl. contact hours, self- study hours)	• Lecture (class): (3 x 50 min x 14 wks) / 60 min = 35 h • Structured activities and Self study: (3 x 57 min x 16 wks) /60 min * 2 times = 91,2 h • Exam: (3 x 50 min) x 2 times / 60 min = 5 h • Total = 131,2 hours
Credit points	3 Credit Hours ≈ 4,37 ECTS
Required and recommended prerequisites for joining the module	-
Module objectives/intended learning outcomes	Showing attitude: : 1. Do not cheat while taking the course 2. Take an active role in group work 3. Work together in groups and have concern for environmental conditions 4. Obey the rules set out in the lecture 5. Responsible for the results of group assignments 6. Demonstrate an attitude of independence, struggle and hard work in carrying out lecture assignments Has knowledge aspects in the form of: : 1. Explains basic concepts of social sciences (anthropology, health anthropology, sociology, health sociology). 2. Explain the socio-cultural determinants of disease and health 3. Explains approaches to health anthropology and health sociology in health services 4. Explain the socio-cultural approach in health promotion Sub Course Learning Outcomes: 1. Students are able to understand the relevance of Social Sciences (Anthropology and Sociology) to Public Health Sciences 2. Students are able to understand the Science of Anthropology (Background, Definition, Scope of Study, Scientific Methods of Anthropology). 3. Students are able to understand the concept of Health Anthropology 4. Students are able to understand anthropological paradigms in studying and understanding culture and society. 5. Students are able to understand Sociology (Background, Definition, Scope of study, Scientific Methods of Sociology). 6. Students are able to understand the concept of Health Sociology 7. Students are able to understand sociological paradigms in studying and understanding society.

	8. Students are able to understand the relationship between ecology and disease from a health anthropology perspective. 9. Students are able to understand the social variables of health and disease from a health sociology perspective. 10. Students are able to understand the social determinants of health and disease 11. Students are able to understand the concept of cultural determinants of health and disease 12. Students are able to understand the medical system and traditional health services that exist in society. 13. Students are able to understand the relationship between health anthropology, health sociology and health behavior 14. Students are able to understand the relationship between nutrition, reproductive health, maternal and child health and culture
Content	Provide knowledge and understanding of the basic concepts of anthropology, sociology, health anthropology, health sociology, the relationship between social facts and health and disease, western and non-western medical systems, culture and nutrition, culture and reproductive health as knowledge that underlies social and community perspectives in public health. The indicator of achievement in this course is understanding the basic theories and concepts in Health Anthropology and Health Sociology as basic knowledge of socio-cultural, community and behavioral perspectives in public health science.
Examination forms	Essay test
Study and examination requirements	1. Minimum lecture attendance of 80% 2. Completed structured academic assignment 3. Not commit acts of fraud such as cheating or other acts of fraud
Reading List	1. Albrecht, Gary L., dkk, (2000), The Handbook of Social Studies in Health and Medicine, SAGE, New Delhi. 2. Doob Christopher Bates, (1985), Sociology: An Introduction, New York, CBS Collge. 3. Foster/Anderson, Trans. Swasono, Meutia F. Hatta (2005), Anthropology of Health, UI Press, Jakarta. 4. Gabe, Jonathan, dkk, (2004), Key Concepts in Medical Socology, Sage Public, London 5. Henslin, James M., (2006), Sociology with a Down to Earth Approach, Erlangga, Jakarta 6. Johnson, Thomas M., & Carolyn, F. Sargent, ed., (1990), Medical Anthropology: Contemporary Theory and Method, Praeger, New York. 7. Logan, Michael H., (1978), Health and The Human Condition; Perspectives on Medical Anthropology, Dexbury Press, Calofornia 8. Ritzer, George, (1980) Dual Paradigm Sociology, Rajawali, Jakarta. 9. Siafuddin, A. Fedyani, (2005) Contemporary Anthropology; A Critical Introduction to Paradigms, Kencana, Jakarta 10. Solita Sarwono, (1993), Sociology of Health; Several Concepts and Applications, Gadjah Mada Press, Yogyakarta 11. White, Kevin, (2011), Introduction to the Sociology of Health and Disease, Rajawali Press, Jakarta

Module designation	Introduction to Public Health
Code Course	KES 1009
Semester(s) in which the module is taught	I
Person responsible for the module	Catur Rosidati, SKM, MKM
Language	Indonesian
Relation to curriculum	Compulsory course
Teaching methods	Collaborative learning & discussion-based learning, structured activities
Workload (incl. contact hours, self- study hours)	• Lecture (class): (2 x 50 min x 14 wks) / 60 min = 23,33 h • Structured activities and Self study: (2 x 57 min x 16 wks) /60 min * 2 times = 60,8 h • Exam: (2 x 50 min) x 2 times / 60 min = 3,33 h • Total = 87,46 hours
Credit points	• 2 Credit Hours ≈ 2,92 ECTS
Required and recommended prerequisites for joining the module	-
Module objectives/intended learning outcomes	Showing attitude: 1. Do not cheat while taking the course 2. Take an active role in group work 3. Work together in groups and have concern for environmental conditions 4. Obey the rules set out in the lecture 5. Responsible for the results of group assignments 6. Demonstrate an attitude of independence, struggle and hard work in carrying out lecture assignments Has knowledge aspects in the form of: 1. Explain the definition of health, health and the principles of public health 2. Explain the history of the development of public health in the world and in Indonesia 3. Explain the history of the development of public health during the Islamic civilization 4. Explains the concept of health and illness, the occurrence of illness according to the epidemiological triangle theory 5. Explain the levels of disease prevention 6. Explaining efforts to maintain health in Islam 7. Explains the core functions of public health, essential public health services and the pillars of public health science 8. Explain theories about determinants of health 9. Explain Health policy 10. Explain the national health system in Indonesia 11. Explain health services in public health
Content	This course studies the definition of Health, public health, development of public health science, determinants of health, prevention efforts in realizing public health, interdisciplinary science that supports public health science, the national health system in realizing public health.
Examination forms	Written examination
Study and examination requirements	1. Minimum lecture attendance of 80% 2. Completed structured academic assignment 3. Not commit acts of fraud such as cheating or other acts of fraud

Reading list	1. Theodore H. Tulchinsky The New of Public Health, Second Edition,2009 2. Artikel Jurnal “Mandating immunity in the Ottoman Empire: A history of public health and compulsory vaccination”, Emine O. Evered, Kyle T. Evered, 2020 3. Essensial of Public Health Services, WHO, 2020 4. Artikel Jurnal “Preventing Unintentional Injuries in the Home Using the Health Impact Pyramid” Karin A. Mack, PhD1 , Karen D. Liller, PhD2 , Grant Baldwin, PhD, MPH1 , and David Sleet, PhD, 2015

Module designation	Practice of Worship
Code Course	SAR 5054
Semester(s) in which the module is taught	I
Person responsible for the module	Nunung Komalasari, M.Pd
Language	Indonesian
Relation to curriculum	Compulsory course
Teaching methods	Practical, direct instruction, demonstration & presentation
Workload (incl. contact hours, self- study hours)	• Practical : (1 x 170 min x 14 wks) / 60 min = 39,67 h • Structured activities and Self study: (1 x 57 min x 16 wks) /60 min * 2 times = 29,87 h • Exam: (1 x 170 min) x 2 times / 60 min = 5,67 h Total = 75,21 hours
Credit points	1 Credit Hours ≈ 2,51 ECTS
Required and recommended prerequisites for joining the module	-
Module objectives/intended learning outcomes	1. Students are able to practice how to purify/Thaharoh which includes; Ablution, Tayamum, Bathing are mandatory accompanied by reading the intentions and prayers. 2. Students are able to practice Fardhu prayers including; Adhan, Iqamah, Terms and Conditions and readings in Fardhu Prayer. 3. Students are able to practice Sunnah prayers (Rawatib, Tahajjud, Dhuha, Istikharah, Hajat, Taubat, Tarawih, Witir) along with reciting the intentions and prayers. 4. Students are able to recite the Dhikr, Prayer, Prayer and Tahlil readings properly and correctly. 5. Students are able to act as preachers and deliver sermons (Friday, Eid, Istisqa', Nikah) 6. Students are able to practice the management of corpses which includes washing the corpse and shrouding the corpse properly and correctly according to the demands of the Islamic religion. 7. Students are able to practice the management of corpses which includes praying for corpses and 8. Bury the body properly and correctly according to the demands of the Islamic religion.
Content	Practical Worship includes, purification from uncleanness and hadas, obligatory and sunnah prayers (lunar eclipse, solar eclipse, istisqa and tasbih), Friday Sermons, Eid Sermons and istisqo Khutbahs, Marriage Sermons, Body Management, Zikr and daily prayers and obligatory and sunnah prayers (istikharah, tahajud, dhuha, istisqa, tarawih and witr).
Examination forms	Perform and Essay
Study and examination requirements	1. Minimum lecture attendance of 80% 2. Completed structured academic assignment 3. Not commit acts of fraud such as cheating or other acts of fraud
Reading List	1. Fiqh Islam, Sulaiman Rasyid. Penerbit Sinar Baru Algesindo, Bandung, cetakan 2021. 2. Kitab Terlengkap Panduan Ibadah Muslim Sehari-hari, K.H. Muhammad Habibillah. Penerbit Saufa, Yogyakarta, 2015. 3. Tuntunan Lengkap Mengurus Jenazah, M. Nashiruddin Al-Albani. Penerbit Gema Insani, Jakarta, 1999. 4. Panduan Merawat Jenazah, Ibnu Muhammad Salim. PT Qaf Media Kreatiba, 2013.

Module designation	Practice of Qiraah
Code Course	SAR 2001
Semester(s) in which the module is taught	I
Person responsible for the module	Nunung Komalasari, M.Pd
Language	Indonesian
Relation to curriculum	Compulsory course
Teaching methods	Practical, direct instruction, demonstration & presentation
Workload (incl. contact hours, self- study hours)	• Practical : (1 x 170 min x 14 wks) / 60 min = 39,67 h • Structured activities and Self study: (1 x 57 min x 16 wks) /60 min * 2 times = 29,87 h • Exam: (1 x 170 min) x 2 times / 60 min = 5,67 h • Total = 75,21 hours
Credit points	1 Credit Hours ≈ 2,51 ECTS
Required and recommended prerequisites for joining the module	-
Module objectives/intended learning outcomes	1. Students are able to implement makharijul letters (ا-ي) well and correctly in memorizing short letters (An Nas; Al Falaq; Al Ikhlas; Al Lahab; An Nasr). 2. Students practice the law of reading nun mati and tanwin meeting hijaiyyah letters (Izhar, Ikhfa, Idgham, and Iqlab) in memorizing short letters (Al Kafirun; Al Kautsar; Al Ma'un; Quraish; Al Fiil) 3. Students are able to practice the law of mad/long reading by memorizing short letters (Al Humazah; Al 'Ashr; At Takatsur; Al Qari'ah; Al 'Adiyat). 4. Students are able to practice the law of reading Tarqieq, Tafkhim, and Qolqolah and their types by memorizing selected letters (Az Zalzalah; Al Bayyinah; Al Qadr; Al 'Alaq; At Tin). 5. Students are able to practice reading Waqaf and Ibtida' by memorizing selected letters (Al Insyirah; Ad Duha; Al Lail; Asy Syams; Al Balad). 6. Students are able to recite Gharib readings (Isymam, Imalah, Naql, Tashil, etc.) by memorizing selected letters (Al Fajr; Al Gasyiyah; Al A'la; At Tariq; Al Buruj). Additional Supplements: Al Insyiqaq; Al Mutaffifin; Al Infitar; At Takwir; ‘Abasa, An Nazi’at; An Naba'. Choice Letter; Yasin, Al Mulk, Ar Rahman, Al Waqi'ah
Content	Qiraah Practicum which includes discussion on the pronunciation of hijaiyah letters with fashih according to the correct makhraj, fluency in reading and writing the Al-Quran, application of the science of recitation in reading the Al-Quran, memorizing short suras (juz 'amma) and selected suras (Yasin, Al-Waqiah, Al-Mulk, Ar-Rahman).
Examination forms	Oral Test
Study and examination requirements	1. Minimum lecture attendance of 80% 2. Completed structured academic assignment 3. Not commit acts of fraud such as cheating or other acts of fraud
Reading List	1. Kajian Ilmu Tajwid, Marwan Hadidi, M.Pd.I., 2020 2. Standar Tajwid Bacaan Al Qur’an; Terjmah Fathul Manaan, Maftuh Basthul Birri. Penerbit Madrasah Murottilil Qur’an, Lirboyo, 2000

Module designation	Indonesian Language
Code Course	NAS 6013203
Semester(s) in which the module is taught	I
Person responsible for the module	Yang Yang Merdiyatna, M.Pd
Language	Indonesian
Relation to curriculum	Compulsory course
Teaching methods	Collaborative learning & discussion-based learning, structured activities
Workload (incl. contact hours, self- study hours)	• Lecture (class): (3 x 50 min x 14 wks) / 60 min = 35 h • Structured activities and Self study: (3 x 56 min x 16 wks) /60 min * 2 times = 89,60 h • Exam: (3 x 50 min) x 2 times / 60 min = 5 h Total = 129,6 hours
Credit points	3 Credit Hours ≈ 4,32 ECTS
Required and recommended prerequisites for joining the module	-
Module objectives/intended learning outcomes	1. Students understand their duties and roles in MKWU Indonesian 2. Students are able to speak in scientific presentations 3. Students are able to understand the development of the Indonesian language 4. Students are able to understand the use of letters and words 5. Students are able to understand the elements of absorption and punctuation 6. Students are able to use diction correctly 7. Students are able to make effective sentences 8. Students are able to create paragraphs correctly as well as paraphrase and synthesize 9. Students are able to plan an essay 10. Students are able to use scientific notation correctly through quotation techniques and writing bibliography appropriate and pay attention to scientific ethics 11. Students are able to produce written reproductions 12. Students are able to produce short, popular articles on the theme of Public Health
Content	This course discusses the scientific basics of Indonesian for scientific writing. In the Indonesian language course, there are aspects of Indonesianism, Islam and Pancasila. In particular, Indonesian language courses interpret rules language that can be applied in writing scientific papers. The material in it, such as: Speaking in Presentations Scientific, History and Development of Language, EYD, Diction, Sentences, Paragraphs, Scientific Ethics, Essays, Writing Popular Articles, Citation Techniques, Bibliography, and more
Examination forms	Written Test
Study and examination requirements	1. Minimum lecture attendance of 80% 2. Completed structured academic assignment 3. Not commit acts of fraud such as cheating or other acts of fraud
Reading List	1. Alwi, Hasan. Dkk. 2003. Tata Bahasa Baku Bahasa Indonesia. Balai Pustaka. 2. Arifin, E. Zainal dan S. Amran Tasai. 2006. Cermat Berbahasa Indonesia. Jakarta: Akademika Pressido. 3. Akhadiah, Sabarti dan Sakura Ridwan. 1993. Pembinaan Kemampuan Menulis bahasa Indonesia. Jakarta: Airlangga. 4. Aziz, Firman. Dkk. Taktis Berbahasa Indonesia Di Perguruan Tinggi. Bandung: asasupi. 5. Chaer, Abdul. 2013. Pembinaan Bahasa Indonesia. Rineka Cipta. 6. Finoza, Lamuddin. 2001. Komposisi Bahasa Indonesia. Jakarta : Diksi Insan Mulia.

	7. Keraf, Gorys. 1997. Kompisisi. Bandung: Nusa Indah. 8. Kosasih, E. 2021. Bahasa Indonesia. Jakarta: Erlangga. 9. Kosasih, E. Bahasa Indonesia Berbasis Kepenulisan Karya Ilmiah dan Jurnal. Bandung: Tursina. 10. Nurjamal, Daeng. Dkk. 2013. Terampil Berbahasa: Menyusun Karya Tulis Akademik, Memandu Acara, (MC-Moderator), dan Menulis Surat. 11. Gani, Ramlan A dan Mahmudah Fitriyah Z.A. 2010. Disiplin Berbahasa Indonesia. Jakarta : PTIK Press. 12. Wijayanti, Sri Hapsari, dkk. 2015. Bahasa Indonesia Penulisan dan Penyajian Karya Ilmiah. Depok: Rajagrafindo Persada. 13. Widyamartaya, Al. dan Veronica Sudiati. 2000. Dasar-Dasar Menulis Karya Ilmiah. Jakarta: PT Grasindo.

Module designation	Microbiology and Parasitology
Code Course	KES 6022
Semester(s) in which the module is taught	1
Person responsible for the module	Izza Hananingtyas, SKM., M.Kes
Language	Indonesian
Relation to curriculum	Compulsory course
Teaching methods	Collaborative learning & discussion-based learning, self directed learning, structured activities
Workload (incl. contact hours, self- study hours)	• Lecture (class): (2 x 50 min x 14 wks) / 60 min = 23,33 h • Structured activities and Self study: (2 x 57 min x 16 wks) /60 min * 2 times = 60,80 h • Exam: (2 x 50 min) x 2 times / 60 min = 3,33 h • Total = 87,46 hours
Credit points	2 Credit Hours ≈ 2,92 ECTS
Required and recommended prerequisites for joining the module	-
Module objectives/intended learning outcomes	1. Able to explain basic concepts of microbiology and parasitology 2. Able to explain the types of Protozoa agents, such as: Rhizopoda, Flagellata, Ciliata and Sporozoa as well as the mechanisms of disease caused by Protozoa and their prevention/control. 3. Able to explain the types of fungal agents, as well as the mechanisms of diseases caused by fungi and their prevention/control. 4. Able to explain the types of helminth agents, as well as the mechanisms of diseases caused by helminths and their prevention/control. 5. Able to explain the types of Arachnida and Hexapoda agents, as well as the mechanisms of disease they cause and their prevention/control. 6. Able to explain the types of bacterial agents, as well as the mechanisms of disease they cause and their prevention/control. 7. Able to explain the types of viral agents, as well as the mechanisms of disease they cause and their prevention/control. 8. Able to explain various public health literacy related to diseases caused by microbiology and parasites as well as case studies about the current public health situation.
Content	This course discusses types of bacteria, viruses, fungi and parasites as well as the diseases they cause and is closely related to public health. Understand the prevention and control of diseases caused by bacteria, viruses, fungi and parasites.
Examination forms	Written examination
Study and examination requirements	1. Minimum lecture attendance of 80% 2. Completed structured academic assignment 3. Not commit acts of fraud such as cheating or other acts of fraud

Reading list	1. Betts, J. Gordon., Desaix, P., Jhonson. E., et all. (2013). Anatomy & Physiology. OpenStax. Rice University. Diunduh dari https://openstax.org/details/books/anatomy-and-physiology. 2. Rohen., J., Et all. 2011. Colour Atlas of Anatomy: A Photographic Study of The Human Body 7th Edition. Germany 3. Scanlon, Valerie.C. 2007. Essentials of Anatomy and Physiology 5th Edition. Philadelphia: F.A David Company. 4. Tortora, Gerald J. 2009. Principles of Anatomy and Physiology. United States of America : Wiley. 5. Pearce, Evelyn C. 2011. Anatomy and Physiology for Paramedics. Jakarta: Gramedia.

Module designation	Anatomy Physiology
Code Course	KES 1002
Semester(s) in which the module is taught	I
Person responsible for the module	Meliana Sari, SKM, MKM
Language	Indonesian
Relation to curriculum	Compulsory course
Teaching methods	Collaborative learning & discussion-based learning, self directed learning, structured activities, quiz
Workload (incl. contact hours, self- study hours)	• Lecture (class): (2 x 50 min x 14 wks) / 60 min = 23,33 h • Structured activities and Self study: (2 x 57 min x 16 wks) /60 min * 2 times = 60,80 h • Exam: (2 x 50 min) x 2 times / 60 min = 3,33 h • Total = 87,46 hours
Credit points	2 Credit Hours ≈ 2,92 ECTS
Required and recommended prerequisites for joining the module	-
Module objectives/intended learning outcomes	1. Able to explain the meaning of anatomy and physiology, and their scientific branches 2. Able to understand body structure, from simple to complex and the division of body organization 3. Able to understand homeostasis 4. Understand the chemical structure of the body and its accompanying reactions 5. Understand the concept of cells and tissues and their constituent components 6. Understand the types and functions of cells and tissues 7. Understand the structure, function and disorders of the integument system 8. Understand the structure, function and disorders of the musculoskeletal system 9. Understand the structure, function and disorders of the nervous system 10. Understand the structure, function and disorders of the endocrine system 11. Understand the functional structure and disorders of the circulatory and lymphatic systems 12. Understand the structure, function and disorders of the cardiovascular system 13. Understand the structure, function and disorders of the respiratory system 14. Understand the structure, function and disorders of the digestive system 15. Understand the processes of anabolism and catabolism 16. Understand carbohydrate, fat and protein metabolism 17. Understand the role of metabolism and maintenance of body temperature 18. Understand the structure, function and disorders of the urinary system 19. Understand the structure, function and disorders of the reproductive system 20. Understand the fertilization process, embryo development, pregnancy and breastfeeding and the organs that play a role

Content	Discusses the parts of the body and their functions. Starting from the structure of the body, the constituent components of cells, tissues, organs and organ systems. The discussion of body structure is grouped into six large groups: First, support and movement systems (skeleton, integument, regulatory, integration and control systems (nerves, brain, endocrine), transport and body fluid systems (heart, blood and immune system), energy production system , maintenance and changes in the environment (respiration, digestion, urine, acid base balance) and finally the development system (reproduction).All of this is discussed from a public health perspective and is linked to verses from the Koran in the health sector.
Examination forms	Written examination
Study and examination requirements	1. Minimum lecture attendance of 80% 2. Completed structured academic assignment 3. Not commit acts of fraud such as cheating or other acts of fraud
Reading list	1. Betts, J. Gordon., Desaix, P., Jhonson. E., et all. (2013). Anatomy & Physiology. OpenStax. Rice University. Diunduh dari https://openstax.org/details/books/anatomy-and-physiology. 2. Rohen., J., Et all. 2011. Colour Atlas of Anatomy: A Photographic Study of The Human Body 7th Edition. Germany 3. Scanlon, Valerie.C. 2007. Essentials of Anatomy and Physiology 5th Edition. Philadelphia: F.A David Company. 4. Tortora, Gerald J. 2009. Principles of Anatomy and Physiology. United States of America : Wiley. 5. Pearce, Evelyn C. 2011. Anatomy and Physiology for Paramedics. Jakarta: Gramedia.

Module designation	Health Psychology
Code Course	KES 2002
Semester(s) in which the module is taught	I
Person responsible for the module	Dr. Ratri Ciptaningtyas, S.Sn.Kes.
Language	Indonesian
Relation to curriculum	Compulsory
Teaching methods	Case Study, discovery learning
Workload (incl. contact hours, self-study hours)	• Lecture (class): (2 x 50 min x 14 wks) / 60 min = 23,33 h • Structured activities and Self study: (2 x 57 min x 16 wks) /60 min * 2 times = 60,80 h • Exam: (2 x 50 min) x 2 times / 60 min = 3,33 h • Total = 87,46 hours
Credit points	2 Credit Hours ≈ 2,92 ECTS
Required and recommended prerequisites for joining the module	-
Module objectives/intended learning outcomes	1. Students demonstrate a critical, participatory and responsible attitude in completing assignments related to health psychology learning. 2. Have knowledge and basic concepts of health psychology, the interaction of biological, psychological, social and spiritual factors to maintain healthy conditions (promoting), increase healthy behavior (enhancing), and prevent disease (preventing). 3. Students are able to explain and understand basic psychological theories, behavioral theoretical models, research results and applications in the field of psychology related to health psychology. Able to understand the role of psychology graduates and psychologists who work together with other scientific disciplines in efforts to develop health psychology in health service institutions, communities and society. 4. Able to explore health problems in the surrounding environment related to health psychology and be able to implement a healthy lifestyle for yourself.
Content	This course aims to equip students to study various basic psychological theories, behavioral theoretical models and research results in the field of psychology related to health problems. Discusses the concept of psychology as a science to examine individual behavior related to health and the relationship between psychology and public health, human psychological functions, lifestyle, stress and its relationship to health, adaptation to*serious illness* (*coping*), patterns of health service use and compliance. Furthermore, through this lecture, students are expected to be able to emphasize the biopsychosocial model approach (social, emotional, behavioral, biological, social and spiritual) in understanding the factors that influence health, exploring problem topics and the application of health psychology in Indonesia in the context of health service institutions, communities and society. The level of student learning success is assessed by their level of mastery of the material as reflected in the assessment of learning outcomes, ability to apply knowledge, and their performance during the lecture process.
Examination forms	Written examination
Study and examination requirements	1. Minimum lecture attendance of 80% 2. Completed structured academic assignment 3. Not commit acts of fraud such as cheating or other acts of fraud

Reading List	1. Udayana University Health Psychology Teaching Materials. 2016. Psychology Study Program, Faculty of Medicine, Udayana University. https://simdos.unud.ac.id/uploads/file_pendidikan_1_dir/305b 3d8 34afe1217b78fbae725163108.pdf 2. Fitrianah, RD. 2018. Emotional Balance and Human Mental Health from a Religious Psychology Perspective. Shi'ar vol. 18 No. 1. https://ejournal.iainbengkulu.ac.id/index.php/syiar/article/view/ 12 85 3. Stephens, C. 2008. Health Promotion: A psychosocial Approach (Health Psychology) 1st ed. McGraw Hill 4. Yuniar, W.P., Khomsan, A., Dewi, M., et al. 2020. Relationship between Nutritional Behavior and Clean and Healthy Living Behavior (PHBS) and the Nutritional Status of Baduta in Cirebon Regency. Amerta Nutr. https://e-journal.unair.ac.id/AMNT/article/view/17997 5. Videos about healthy behavior from: https://youtu.be/dSHxrS7l2yk and https://youtu.be/buxuOrO8eOM

SEMESTER 2

Module designation	Principle Epidemiology
Code Course	KES 2007
Semester(s) in which the module is taught	2
Person responsible for the module	Prof. Hoirun Nisa, SKM, MKes, PhD
Language	Indonesian
Relation to curriculum	Compulsory course
Teaching methods	Collaborative learning & discussion-based learning, case study, structured activities
Workload (incl. contact hours, self-study hours)	• Lecture (class): (2 x 50 min x 14 wks) / 60 min = 23.33 h • Structured activities and Self study: (2 x 57 min x 16 wks) / 60 min * 2 times = 60.80 h • Exam: (2 x 50 min) x 2 times / 60 min = 3.33 h • Total = 87,46 hours
Credit points	2 Credit Hours ≈ 2.92 ECTS
Required and recommended prerequisites for joining the module	-
Module Objectives / intended learning outcomes	1. Have an honest attitude, a spirit of independence, don't give up easily, be responsible, internalize Islamic values, academic norms and ethics. 2. Demonstrate a critical, participatory and responsible attitude in completing tasks related to assessing basic epidemiology learning. 3. Have conceptual knowledge about the meaning of epidemiology and public health, approaches, types and methods of epidemiological research, epidemiological variables, natural history of disease, level of disease prevention, magnitude of public health problems, and determinant factors of health problems in society. 4. Have procedural knowledge about how to carry out screening and public health surveillance. 5. Have logical, critical, systematic and innovative thinking skills, in studying and applying 6. epidemiological principles, concepts and methods that can be implemented in preventing and controlling public health problems.
Content	This course is a mandatory course that provides the ability to master the meaning (definition), use, figures and development of epidemiology. In this course, students will identify and discuss knowledge about the concept and natural history of disease, actions to prevent and control health problems/diseases in society, measures of disease frequency, morbidity and mortality statistics, strategies for observing the development and spread of health problems, and study design. epidemiology to estimate and determine the determinants of health problems. Students are also trained in skills in screening for health problems/diseases.
Examination forms	Written Exam
Study and examination requirements	1. Minimum lecture attendance of 80% 2. Completed structured academic assignment 3. Not commit acts of fraud such as cheating or other acts of fraud

Reading list	1. Hand out/lecture module on the basics of epidemiology given by the instructor. 2. Mausner, J.S., & Kramer, S. Epidemiology. An introductory Text, WB. Saunders Co. Philadelphia, 1985. Additional References: 3. Mac Mahon. B. & Trichopoulus, D. Epidemiology. Principles and Methods, 2nd edition, Little, Brown and Co. Boston, 1996l 4. Page R.M., Cole G.E & Timmereck T.C. Basic Epidemiological Methods and Biostatistics. A Practical Guidebook. Jones and Barlett Publisher. Boston. 1995 5. Jekel,J.F., Elmore J.G., & D.L. Katz. Epidemiology, Biostatistics and Preventive Medicine. WB saunders Co. Philadelphia

Module designation	Biochemistry
Code Course	FKM 2134
Semester(s) in which the module is taught	2
Person responsible for the module	Dr. Febrianti Abasuni, M.Si
Language	Indonesian
Relation to curriculum	Compulsory course
Teaching methods	Cooperative learning, collaborative learning, guide inquiry
Workload (incl. contact hours, self-study hours)	• Lecture (class): (2 x 50 min x 14 wks) / 60 min = 23.33 h • Structured activities and Self study: (2 x 57 min x 16 wks) / 60 min * 2 times = 60.80 h • Exam: (2 x 50 min) x 2 times / 60 min = 3.33 h • Total = 87,46 hours
Credit points	2 Credit Hours ≈ 2.92 ECTS
Required and recommended prerequisites for joining the module	-
Module Objectives / intend learning outcomes	1. Do not cheat or commit other fraudulent acts during the learning process. 2. Dare to state what you understand or not understand certain things in the discussion and ask about it in front of the plenary class. 3. Be polite and respectful to classmates when asking and answering questions in front of the class. 4. Independence in carrying out assignments in small groups and being responsible for small group assignments in front of the plenary class. 5. Appreciate other people's intellectual work when citing it well in the papers and power point slides you create. 6. Able to explain the biochemical reactions discussed in class, their relation to indicators of certain body homeostasis conditions, things that are needed or hinder the reaction and pathological effects that arise if the reaction does not proceed properly. 7. Able to explain Islamic teachings which motivate oneself to prevent the emergence of pathological conditions due to the body not being able to maintain its homeostatic conditions. 8. Able to understand primary textbooks and other additional scientific literature relevant to the assigned task. 9. Able to make a biochemical paper according to the given task, paying attention to the Harvard scientific writing method using good Indonesian. 10. Able to present the biochemistry assignment given by paying attention to the methods of presenting scientific work according to the references provided.
Content	In this course, students study the structure and several selected biochemical reactions that take place in certain physiological functions to maintain certain homeostatic conditions, and the conditions or factors needed for these reactions to take place. Based on this understanding, students can explain how to prevent the emergence of pathological conditions because the body cannot return to its homeostatic condition for a long time. Apart from that, students study Islamic teachings which can motivate themselves to try to prevent the emergence of the pathological conditions discussed.
Examination forms	Written Exam
Study and examination requirements	1. Minimum lecture attendance of 80% 2. Completed structured academic assignment 3. Not commit acts of fraud such as cheating or other acts of

	fraud
Reading list	1. What is Biochemistry. https://www.youtube.com/watch?v=uM1t0mWXU30 2. Introduction to Bichemistry. https://www.youtube.com/watch?v=CHJsaq2lNjU&t=2s 3. Nelson, D.L and Cox, M.M. (2017) Lehninger principles of bichemistry. 7th eds. Newyork: W.H Freeman Mac Millan Learning. 4. Rodwell,V.W, et.al. (2018) Harper's illustrated biochemistry. 31st eds. Mc.Graw Hill. 5. Harvard Format Citation Guide. How to Cite Sources in Harvard Citation Format Mendeley 6. Center for Development, Education and Training of the Indonesian Institute of Sciences. (2019). Scientific presentation techniques. 7. Other relevant scientific articles and videos

Module designation	Descriptive and Inferential Biostatistics
Code Course	FKM 2130
Semester(s) in which the module is taught	2
Person responsible for the module	Dr. Yuli Amran, MKM
Language	Indonesian
Relation to curriculum	Compulsory course
Teaching methods	Lectures and practice
Workload (incl. contact hours, self-study hours)	• Lecture (class): (3 x 50 min x 14 wks) / 60 min = 35 h • Structured activities and Self study: (3 x 57 min x 16 wks) /60 min * 2 times = 91,20 h • Exam: (3 x 50 min) x 2 times = 5 h • Total = 131,2 hours
Credit points	3 Credit Hours ≈ 4,37 ECTS
Required and recommended prerequisites for joining the module	Basics of public health
Module Objectives / intended learning outcomes	1. Able to demonstrate performance, independence, quality, measurability as well as a critical, participatory and responsible attitude in completing tasks related to data analysis using health biostatistics tools. 2. Have conceptual knowledge of analyzing public health research data using biostatistical tools. 3. Have procedural knowledge about how to analyze public health research data descriptively or by using various types of statistical tests in health biostatistics tools. 4. ble to analyze/interpret public health research data descriptively using various statistical tests in health biostatistics tools.
Content	In this course students are expected to understand basic statistical concepts, probability concepts, sampling distribution, estimation, processing and analysis of statistical data descriptively and inferentially.
Examination forms	Written and Practice Exam
Study and examination requirements	1. Minimum lecture attendance of 80% 2. Completed structured academic assignment 3. Not commit acts of fraud such as cheating or other acts of fraud
Reading list	1. Priyohastono, Sutanto & Sabri, Luknis (2010). Health Statistics, Fifth Printing. Jakarta: PT Raja Grafindo Persada. 2. J Gravetter, Frederick & B Wallnau, Larry. (2014). Introduction to Social Statistics (Statistics For The Behavioral Sciences), 8th Edition, Jakarta: Salemba Empat. 3. Budiato, Eko. (2002). Biostatistics for Medicine and Public Health. Jakarta: EGC.A. 4. Lameshow S, Hosmer DW, Klar J, Lwanga SK. Adequacy of Sample Size in Health Studies. Translated Edition. Yogyakarta: Gadjah Mada University Press.

Module designation	Civic Education
Code Course	POL 2002
Semester(s) in which the module is taught	2
Person responsible for the module	M. Iqbal Nurmansyah, M.Sc and Syairul Bahar, M.Pd
Language	Indonesian
Relation to curriculum	Compusory course
Teaching methods	Collaborative learning & discussion-based learning, structured activities
Workload (incl. contact hours, self-study hours)	• Lecture (class): (2 x 50 min x 14 wks) / 60 min = 23.33 h • Structured activities and Self study: (2 x 56 min x 16 wks) / 60 min * 2 times = 59,73 h • Exam: (2 x 50 min) x 2 times / 60 min = 3.33 h • Total = 86,39 hours
Credit points	2 Credit Hours ≈ 2.88 ECTS
Required and recommended prerequisites for joining the module	-
Module objectives/intended learning outcomes	1. Have knowledge of Indonesian and social values, relevant academic values developed: critical thinking, curiosity, honesty and accuracy. tolerance, and objectivity. 2. Carrying out observation activities and literature reviews related to relevant themes with citizenship education and compiling the results of observations and studies library and communicating it. 3. Describe the concept of citizenship education which includes national identity, State, constitution and democracy. 4. Carry out, plan, organize and control observation activities related to citizenship education collaboratively and cooperatively with full of responsibility
Content	The Civic Education course is one of the courses must be followed by all UIN Syarif Hidayatullah Jakarta students, substantively has 3 (three) main material coverage (core materials), namely Democracy, Human Rights and Civil Society (Civil Society).
Examination forms	Written Exam
Study and examination requirements	1. Minimum lecture attendance of 80% 2. Completed structured academic assignment 3. Not commit acts of fraud such as cheating or other acts of fraud
Reading list	1. Ubaedillah. Pancasila, Demokrasi, dan Pencegahan Korupsi. Jakarta: Prenada, 2015. 2. Abdillah, Masykuri, Demokrasi di Persimpangan Makna: Respon Intelektual Muslim Indonesia terhadap Konsep demokrasi (1966-1993), Yogyakarta: Tiara Wacana, 1999. 3. Abdullah, Rozali, Perkembangan HAM dan Keberadaan Peradilan di Indonesia, Jakarta: Ghalia Indonesia, 2002. 4. An-Naim, Abdullahi Ahmed, Dekonstruksi Syari'ah, Yogyakarta: LKiS, 2001. 5. Azra, Azyumardi, Menuju Masyarakat Madani, Bandung: PT. Remaja Rosdakarya, 1999 cet. ke-1. 6. Bahar, Safroeddin, Konteks Kenegaraan Hak Asasi Manusia, Jakarta: Pustaka Sinar Harapan, 2002. 7. Baehr, Peter (et.al), Instrumen Internasional Pokok Hak-Hak Asasi Manusia, Jakarta: Yayasan Obor Indonesia, 2001. 8. Buchori, Mochtar, Peranan Pendidikan dalam Pembentukan Pendidikan Budaya Politik di Indonesia, dalam buku Menggagas Paradigma Baru Pendidikan: Demokratisasi, Otonomi, Civil Society, Globalisasi, Kanisius, Yogyakarta, 2000.

Module designation	Legal and Health Ethics
Code Course	FKM 2126
Semester(s) in which the module is taught	2
Person responsible for the module	Dela Aristi, M.K.M
Language	Indonesian
Relation to curriculum	Compulsory course
Teaching methods	Collaborative learning & discussion-based learning, structured activities, self directed learning
Workload (incl. contact hours, self-study hours)	• Lecture (class): (2 x 50 min x 14 wks) / 60 min = 23.33 h • Structured activities and Self study: (2 x 57 min x 16 wks) / 60 min * 2 times = 60.80 h • Exam: (2 x 50 min) x 2 times / 60 min = 3.33 h • Total = 87,46 hours
Credit points	2 Credit Hours ≈ 2.92 ECTS
Required and recommended prerequisites for joining the module	-
Module objectives/intended learning outcomes	1. Able to explain basic ethical theories and concepts. 2. Able to explain the meaning, objectives, benefits and scope and theory of health law. 3. Able to explain the concept and types of human rights as well as the basic concepts and types of health rights. 4. Able to explain the basic concepts of health regulations and legislation. 5. Able to explain the code of ethics for the public health profession. 6. Be able to explain the ethics of public health research. 7. Able to explain ethics and law in the field of public health.
Content	This course studies basic theories and concepts regarding ethics, health law, human rights and health rights, health legislation in Indonesia, public health professional codes of ethics, and health research ethics. Apart from that, it is also studied regarding the application of regulations and legislation in the field of public health.
Examination forms	Written Exam
Study and examination requirements	1. Minimum lecture attendance of 75% 2. Completed structured academic assignment 3. Not commit acts of fraud such as cheating or other acts of fraud
Reading list	1. Bertens.K. (2011). Etika Cetakan Kesebelas. Jakarta. Gramedia Pustaka Utama. 2. Notoatmodjo, Soekidjo. (2010). Etika & Hukum Kesehatan. Jakarta: Rineka Cipta. 3. Sadi Is, Muhammad. (2015). Etika dan Hukum Kesehatan, Teori dan Aplikasinya di Indonesia. Jakarta: Kencana. 4. Siswati, Sri. (2015). Etika dan Hukum Kesehatan Dalam Perspektif Undang-Undang Kesehatan. Jakarta: Rajawali Pers. 5. Aflanie, Iwan. 2022. Etika Hukum dan Kesehatan. Jakarta: Rajawali Pers. 6. Gostin, Lawrence O. dan Lindsay F. Wiley. 2016. Public Health Law: Power, Duty, Restraint 3rd edition. California: University of California Press. 7. Gostin, L. O. (2003). Public health ethics: tradition, profession, and values. Acta bioethica, 9(2), 177-188. 8. Bayer, R., Gostin, L. O., Jennings, B., & Steinbock, B. (Eds.). (2006). Public health ethics: theory, policy, and practice. Oxford university press.

Module designation	Basics of Reproductive Health
Code Course	FKM 2133
Semester(s) in which the module is taught	2
Person responsible for the module	Narila Mutia Nasir, SKM, MKM, Ph.D
Language	Indonesian
Relation to curriculum	Compulsory course
Teaching methods	Small Group Discussion and Case Study
Workload (incl. contact hours, self-study hours)	• Lecture (class): (2 x 50 min x 14 wks) / 60 min = 23.33 h • Structured activities and Self study: (2 x 57 min x 16 wks) / 60 min * 2 times = 60.80 h • Exam: (2 x 50 min) x 2 times / 60 min = 3.33 h • Total = 87,46 hours
Credit points	2 Credit Hours ≈ 2.92 ECTS
Required and recommended prerequisites for joining the module	-
Module objectives/intended learning outcomes	1. Able to explain the scope of Reproductive Health and reproductive health problems that occur throughout the life cycle). 2. Be able to explain the components of Reproductive Health 3. Able to explain reproductive health problems that occur from the birth of a baby to the elderly. 4. Able to explain the concept of Reproductive Health in relation to Islam). 5. Able to explain the arguments related to reproductive health issues. 6. Able to explain reproductive health services including in disaster conditions). 7. Able to explain what types of health services are available related to the scope of reproductive health, including the minimum reproductive health services that must be provided during a disaster. 8. Able to analyze a reproductive health problem that exists in society). 9. Able to explain why a reproductive health problem occurs. 10. Able to explain what solutions might be applied to overcome reproductive health problems that occur.
Content	This course studies reproductive health concepts and issues globally, the reasons for needing attention to reproductive health issues, topics and issues of concern in reproductive health throughout the life cycle such as maternal and newborn health, contraceptive methods, adolescent reproductive health, advanced reproductive health age, concepts of gender and sexuality, violence against women, sexual violence against children, abortion, sexually transmitted infections, HIV/AIDS, infertility and reproductive tract diseases, as well as the concept of reproductive health in Islam and Kespro in disaster situations. After taking this course, students are expected to be able to explain the concept of reproductive health and analyze one of the production health problems in society.
Examination forms	Written Exam
Study and examination requirements	1. Minimum lecture attendance of 80% 2. Completed structured academic assignment 3. Not commit acts of fraud such as cheating or other acts of fraud

Reading list	1. UNFPA, Accelerating The Promise ICPD 25, 2019 2. UN, Report of the International Conference on Population and Development, 1995 3. Ida Prijatni and Sri Rahayu, Reproductive Health and Family Planning, Indonesian Ministry of Health, 2016 4. Jose RL Batubara, Adolescent Development, Sari Pediatrics, vol 12 no. 1, June 2010 5. Indonesian Ministry of Health Pusdatin, Information on Adolescent Reproductive Health Situation, 2014 6. Indonesian Ministry of Health, Guidelines for Antenatal, Childbirth, Postpartum and Newborn Services in the Era of Adaptation to New Habits. Second Revision, 2020 7. UNFPA and Indonesian Ministry of Health, Guidelines for Implementing Minimum Initial Service Packages (MISP) for Reproductive Health in Health Crisis, 2017 8. Indonesian Ministry of Health, Guidelines for Integrated Reproductive Health Services, 2015 9. Heather Boonstra. Islam, Women and Family Planning: A Primer. The Guttmacher Report on Public Policy, December 2001 10. Noura Alamair et al. Factor Influencing Sexual and reproductive health of Muslim women: A systematic review. Reproductive Health 17:33 11. Rahmah Hida Nurrizka. Health of both mother and child. RajaGrafindo, 2019 12. CDC, Sexual Transmitted Disease (STDs). https://www.cdc.gov/std/default.htm 13. CDC, HIV. https://www.cdc.gov/hiv/default.html 14. Indonesian Ministry of Health. Implementation of Elderly Health Services at Community Health Centers, 2017 Judith E. Brown. Nutrition throughout Lifecycle. Wadsworth, 2011

Module designation	Basic of Population
Code course	FKM 2132
Semester(s) in which the module is taught	2
Person responsible for the module	Catur Rosidati, MKM
Language	Indonesian
Relation to curriculum	Compulsory course
Teaching methods	Collaborative learning & discussion-based learning, structured activities, self directed learning
Workload (incl. contact hours, self-study hours)	• Lecture (class): (2 x 50 min x 14 wks) / 60 min = 23.33 h • Structured activities and Self study: (2 x 57 min x 16 wks) / 60 min * 2 times = 60.80 h • Exam: (2 x 50 min) x 2 times / 60 min = 3.33 h • Total = 87,46 hours
Credit points	2 Credit Hours ≈ 2.92 ECTS
Required and recommended prerequisites for joining the module	-
Module objectives/intended learning outcomes	1. Be able to explain definitions and theories of population. 2. Able to explain the source of population data. 3. Be able to examine population growth and the factors that influence it. 4. Able to examine factors that influence fertility. 5. Able to interpret the results of calculations of annual and cumulative fertility measures. 6. Able to examine factors that influence mortality in relation to public health conditions. 7. Able to interpret the results of calculating mortality measures. 8. Be able to examine the factors that influence migration and the impact of migration on public health. 9. Able to interpret the results of migration size calculations 10. Able to interpret the results of measurement calculations that describe population structure. 11. Able to analyze population structure based on the shape of a population pyramid. 12. Be able to examine the demographic transition in relation to the epidemiological transition.
Content	This course will discuss population theories, factors that influence population dynamics, namely fertility, mortality, migration, measures that describe population structure, description of various forms of population pyramids, demographic transition relation to the epidemiological transition.
Examination forms	Written Exam
Study and examination requirements	1. Minimum lecture attendance of 80% 2. Completed structured academic assignment 3. Not commit acts of fraud such as cheating or other acts of fraud
Reading list	1. Mather, Mark et all, ,2021,An Introduction to Demography, Population Reference Bureau. 2. Hoque, Ghee, et all, 2017, Applied Demography and Public Health in the 21st Century, Springer. 3. Tim Penulis Lembaga Demografi UI, 2013, Dasar-dasar Demografi, Penerbit Salemba Empat, Jakarta. 4. Rusli, Said, 2012, Pengantar Ilmu Kependudukan, LP3ES. 5. Bongaarts, 2009, Human population growth and the demographic transition, rstb.royalsocietypublishing.org. 6. Canning, 2011, The causes and consequences of demographic transition, Population Studies, Vol. 65, No. 3, 2011, pp. 353_361, Roudledge taylor and Francis Group.

Module designation	Basic ofl Pathology
Code Course	KES 2003
Semester(s) in which the module is taught	2
Person responsible for the module	Meliana Sari, SKM., MKM
Language	Indonesian
Relation to curriculum	Compulsory course
Teaching methods	Flipped learning & discussion-based learning, structured activities, quiz
Workload (incl. contact hours, self-study hours)	• Lecture (class): (2 x 50 min x 14 wks) / 60 min = 23.33 h • Structured activities and Self study: (2 x 57 min x 16 wks) / 60 min * 2 times = 60.80 h • Exam: (2 x 50 min) x 2 times / 60 min = 3.33 h • Total = 87,46 hours
Credit points	2 Credit Hours ≈ 2.92 ECTS
Required and recommended prerequisites for joining the module	Anatomy Physiology and Microbiology and Parasitology
Module objectives/intended learning outcomes	1. Able to understand the basic scientific concepts of pathology, functional disorders and body structure 2. Able to understand adaptation, damage and death of cells and tissues 3. Able to understand body disorders and responses (blood circulation, fluid balance, acid base, immunity) 4. Able to understand the recovery and decline of body functions (Inflammation, Infection, Wound Healing, Aging) 5. Able to understand environmental, nutritional and genetic diseases 6. Able to understand diseases of organ systems
Content	This course discusses the basic concepts of pathology, the process of changes in the structure & function of human body tissues/organs and the body's response to these changes. The discussion of pathology also emphasizes the concept of disease and its prevention. In this course, damage or abnormalities to body organs and their mechanisms are also discussed.
Examination forms	Written Exam
Study and examination requirements	1. Minimum lecture attendance of 80% 2. Completed structured academic assignment 3. Not commit acts of fraud such as cheating or other acts of fraud
Reading list	1. Kumar, Vinay. 2013. Robbins Basic Pathology 9th Edition. Philadelphia: Elsavier Saunders. 2. Mohan, Harsh. 2010. Textbook of Pathology 6th Edition. India: Jaypee Brother Medical Publishers. 3. Sattar, Husain A. 2013. Fundamentals of Pathology 2013 Edition. Accessed from: https://medschoolandmascara.files.wordpress.com/2017/01/fundamentals-of-pathology- pathoma.pdf. 4. Cheng, Liang. 2002. Essentials of Anatomic Pathology. New Jersey: Humaha Press. 5. Crum, Christoper P. et all. 2016. Gynecologic and Obstetric Pathology: High Yield Pathology. Philadelphia: Elsevier. 6. Monif, G; Baker, David. 2004. Infectious Disease in Obstetrics and Gynecology Fifth Edition. New York: The Parthenon Publishing Group.

Module designation	Basic Of Health Policy and Administration
Code course	KES 3036
Semester(s) in which the module is taught	2
Person responsible for the module	Fajar Ariyanti, SKM, M.Kes, Ph.D and Riastuti Kusumawardhani, SKM, MKK, Ph.D
Language	Indonesian
Relation to curriculum	Compulsory course
Teaching methods	Collaborative learning & discussion-based learning, structured activities
Workload (incl. contact hours, self-study hours)	• Lecture (class): (2 x 50 min x 14 wks) / 60 min = 23.33 h • Structured activities and Self study: (2 x 57 min x 16 wks) / 60 min * 2 times = 60.80 h • Exam: (2 x 50 min) x 2 times / 60 min = 3.33 h • Total = 87,46 hours
Credit points	2 Credit Hours ≈ 2.92 ECTS
Required and recommended prerequisites for joining the module	-
Module objectives/intended learning outcomes	1. Able to understand the definition of administration and management. 2. Able to understand the elements and functions of management. 3. Able to understand the application of administration and management in health. 4. Able to understand the basic theory of health policy, stages of the health policy process. 5. Able to understand agenda setting in the stages of the health policy process. 6. Able to understand the meaning and processes, approaches and steps in health policy formulation. 7. Able to understand the meaning, determinants of success, approaches and various actors in implementing health policies. 8. Able to understand the meaning and scope of health policy evaluation. 9. Students are able to explain the system, organization and application in health, especially in Indonesia. 10. Able to understand policies in various health sectors in Indonesia 11. Able to understand various models of policy implementation (top-down and bottom-up orientation) and determinants of policy implementation. 12. Able to understand models in policy implementation (Primary Service Integration).
Content	This course discusses the concepts and basics of administration and policy and their application in the field health. Apart from that, this lecture also discusses management, health systems and organizations as well its application in the health system in Indonesia
Examination forms	Written Exam
Study and examination requirements	1. Minimum lecture attendance of 80% 2. Completed structured academic assignment 3. Not commit acts of fraud such as cheating or other acts of fraud
Reading List	1. Kent Buse, Nick Mays, Gill Walt, Understanding Public Health: Making Health Policy, Open University Press, Year: 2005. 2. WHO Health System Report, 2000 3. Kemenkes RI, Sistem Kesehatan Nasional 4. Fran Braum. Governing for Health Advancing Health and Equity through Policy and Advocacy, 2019 5. Sara E willensky. Essentials of Health Policy and Law (Essential Public Health), 2019 6. WHO, Monitoring the building blocks of health systems: a handbook of indicators and their measurement strategies, 2010 7. WHO, Building health systems resilience for universal health

	coverage and health security during the COVID-19 pandemic and beyond: WHO position paper. Geneva: World Health Organization; 2021 8. Irene Papanicolas, Dheepa Rajan, Marina Karanikolos, Agnes Soucat, Josep Figueras: Health system performance assessment: a framework for policy analysis, World Health Organization 2022

Module designation	Basics of Health Promotion
Code course	FKM 2131
Semester(s) in which the module is taught	2
Person responsible for the module	Dr. M. Farid Hamzens, M.Si
Language	Indonesian
Relation to curriculum	Compulsory course
Teaching methods	Collaborative learning & discussion-based learning, structured activities
Workload (incl. contact hours, self-study hours)	• Lecture (class): (2 x 50 min x 14 wks) / 60 min = 23.33 h • Structured activities and Self study: (2 x 57 min x 16 wks) / 60 min * 2 times = 60.80 h • Exam: (2 x 50 min) x 2 times / 60 min = 3.33 h • Total = 87,46 hours
Credit points	2 Credit Hours ≈ 2.92 ECTS
Required and recommended prerequisites for joining the module	-
Module objectives/intended learning outcomes	1. Able to understand the concept of health promotion. 2. Able to understand and identify determinants of health and disease. 3. Able to understand health promotion strategies and forms of preventive action 4. Able to understand Community Empowerment for health 5. Able to understand Health Advocacy 6. Able to understand Partnership in health promotion. 7. Able to understand the basic concepts of human behavior. 8. Able to understand the concept and meaning of behavior as well as behavioral change theory paradigms health. 9. Able to understand behavioral theories and behavior change in the intrapersonnel paradigm. 10. Able to understand behavioral theories and behavior change in the interpersonal paradigm. 11. Able to understand the determinants of health behavior; (a) intrapersonal or/and interpersonal factors;(b) institutional or organizational factors; (c) community factors; (d) public policy factors. 12. Able to understand behavioral theories in the humanistic paradigm.
Content	Students have knowledge, understanding and skills about the basics of how health promotion and education is carried out in a planned manner to shape healthy behavior in society. The indicator of achievement in this course is knowing and understanding the basic concepts/theories about health behavior and health education and being able to implement them by making health promotion/education plans for the formation of healthy behavior and change in society/community.
Examination forms	Written Exam
Study and examination requirements	1. Minimum lecture attendance of 80% 2. Completed structured academic assignment 3. Not commit acts of fraud such as cheating or other acts of fraud
Reading list	1. Albert Bandura, 1971, Social Learning Theory, General Learning Press, New York. 2. Anastasia Snelling, 2014, Introduction to Health Promotion, Jossey-Bass Awley Brand 3. Everett M. Rogers, 1983, Difusion of Inovation, Macmillan Publishing co.Inc. 4. Glanz, Karen et, Al. 1996. Health Behavior and Health Eduacation; Theory , Reseach and Practice. Second E

	ditionJossey- Bass Publishers San Francisco 5. Greene, Wolter and Simon Bruce, 1984. Introduction to Health Education. Waveland Press, Nc 6. Green Lewrence. 1980. Health Education Planning, A Diagnostic Approach. Polo Alto Mayfieltd. Co. 7. Icek Ajzen, 2012, The Theory of Planned Behavior, from; P.A.M Lange A. W. Kruglanski, Eds (2012), Hand Book of Theories of Social Psihology, SAGE, London, UK. 8. Jennie Naido, Jane Wills, 2010, Developing Practice for Public Health and Health Promotion, Elsavier 9. Lawrence W. Green, 1991, Health Promotion Planning An Educational and Environmental Approach, Mayfield Publishing Company. 10. Liza Cragg, Maggie Davies, Wendy Macdowell, 2013, Health Promotion Theory, McGraw-Hill Education

Module designation	Islamic Studies II
Code Course	KES 2001
Semester(s) in which the module is taught	2
Person responsible for the module	Ahmad Jaelani, M.Sc
Language	Indonesian
Relation to curriculum	Compulsory course
Teaching methods	Collaborative learning & discussion-based learning, structured activities
Workload (incl. contact hours, self-study hours)	• Lecture (class): (2 x 50 min x 14 wks) / 60 min = 23,3 h • Structured activities and Self study: (2 x 56 min x 16 wks) /60 min * 2 times = 59,73 h • Exam: (2 x 50 min) x 2 times = 3,33 h • Total = 86,36 hours
Credit points	2 Credit Hours ≈ 2,88 ECTS
Required and recommended prerequisites for joining the module	-
Module objectives/intended learning outcomes	1. Mastering an understanding of the meaning, origins, types, elements and functions of religion for human life based on naqli and 'aqli arguments in a comprehensive, solid, rational and convincing manner. 2. Mastering an understanding of the meaning of Islam, its characteristics, similarities and differences with other religions, as well as the sources and main points of Islamic teachings based on naqli and 'aqli arguments in a comprehensive, solid, rational and convincing manner. 3. Mastering an understanding of aspects of Islamic teachings regarding worship, spiritual and moral training, Islamic history and culture, politics, education, da'wah, society and gender equality in Islam based on naqli and akli arguments in a comprehensive, solid, rational and convincing manner. 4. Mastering an understanding of Islamic teachings regarding theology, philosophy, Sufism/tareqat, fiqh and renewal in Islam in a comprehensive, complete and refreshing manner based on naqli and 'aqli arguments in a comprehensive, solid, rational and convincing manner. 5. Mastering an understanding of contemporary issues regarding the contribution of Islam to European world civilization, the development of Islam in the world, especially Europe/West, Islam as a religion and world civilization; based on naqli and 'aqli arguments in a comprehensive, solid, rational and convincing manner. 6. Mastering an understanding of Islam in Indonesia regarding the entry of Islam into Indonesia, Islamic Archipelago, Islamic kingdoms in Indonesia, the birth of religious and social organizations in Indonesia, challenges and opportunities for the development of Islam in the future, as well as efforts to create individuals with an Islamic outlook , modernity and Indonesianness based on naqli and 'aqli arguments in a comprehensive, solid, rational and convincing manner.
Content	This course studies the definition of Health Jurisprudence, the concept of health according to the Messenger of Allah, the development of Islamic health science, medication that can break the fast, the law on medication that is haram, the law on family planning (KB) in Islam, vaccinations from the perspective of Islamic jurisprudence, food, drink and sports from an Islamic perspective, the relationship of prayer and dhikr to health, the world of health and problems of interaction between the opposite sex, the role of individuals, society and the state in health.
Examination forms	Written Exam

Study and examination requirements	1. Minimum lecture attendance of 80% 2. Completed structured academic assignment 3. Not commit acts of fraud such as cheating or other acts of fraud
Reading list	1. Harun Nasution*, Islam Ditinjau dari Berbagai Aspekny*a Jilid II; 2. Abuddin Nata, *Studi Islam Komprehensif,* 3. Abuddin Nata, *Metodologi Studi Islam;* 4. Nasruddin Razak, Dienul Islam; Abdul Mujib, dkk, *Wawasan dan Kawasan Studi Islam;* 5. Fazlur Rahman, Islam; 6. Mahmud Syaltout, al-Islam Aqidagh wa Syari'ah; 7. John Renard, Seven Doors to Islam.

SEMESTER 3

Module designation	Foundations of Community Nutrition Science
Code Course	KES 6029
Semester(s) in which the module is taught	3
Person responsible for the module	Dr. Febrianti, M.Si
Language	Indonesian
Relation to curriculum	Compulsory course
Teaching methods	Cooperative learning, information search, practicum, filed practice
Workload (incl. contact hours, self- study hours)	• Lecture (class): (3 x 50 min x 14 wks) / 60 min = 35 h • Structured activities and Self study: (3 x 57 min x 16 wks) /60 min * 2 times = 91,20 h • Exam: (3 x 50 min) x 2 times / 60 min= 5 h • Total = 131,2 hours
Credit points	3 Credit Hours ≈ 4,37 ECTS
Required and recommended prerequisites for joining the module	-
Module objectives/intended learning outcomes	1. Able to apply knowledge of the physiological process of nutrition problems and health impacts in simulations of planning and evaluation of a given community nutrition program. 2. Able to apply knowledge of the magnitude of problems and assessment of nutritional status in the simulation of planning and evaluation of a given community nutrition program. 3. Able to apply knowledge of risk factors and guidelines for balanced nutrition in a simulation of planning and evaluating a given community nutrition program. 4. Able to apply Islamic knowledge in simulating the planning and evaluation of a given community nutrition program. 5. Demonstrate an honest, disciplined, independent, earnest, and responsible attitude in the learning process in class and in collecting assignments. 6. Able to explain the biological process of occurrence, health effects of stunting, wasting, anemia, obesity, central obesity or hypercholesterolemia as well as the benefits of balanced nutrition guidelines in preventing the nutritional problems discussed. 7. Able to explain the biological and socio-economic factors of stunting, wasting, anemia, obesity, central obesity or hypercholesterolemia based on the link between systematic review articles and original articles from Q1 and Q1 international journals, or S1, S2 and S3 national journals. 8. Able to explain the relevance of knowledge of Qur'anic verses or hadiths relevant to the discussion of prevention of stunting, wasting, anemia, obesity, central obesity or hypercholesterolemia problems raised. 9. Able to assess nutritional status and determine the prevalence of wasting, anemia, hypercholesterolemia, obesity, and central obesity in their class. 10. Able to obtain secondary data on the magnitude of nutritional problems and information on methods for determining the magnitude of stunting, wasting, wasting, anemia, hypercholesterolemia, obesity, and central obesity problems from credible sources. 11. Able to interpret data on the magnitude of nutritional problems appropriately according to the trigger level or applicable standards. 12. Able to obtain the latest and accurate information about intervention programs for stunting, wasting, anemia,

	hypercholesterolemia, obesity, or central obesity in Indonesia. 13. Able to determine the link between national programs related to stunting, wasting, anemia, hypercholesterolemia, obesity, or central obesity with surveillance activities, posyandu, posbindu and nutrition program activities in a specific puskesmas working area.
Content	This course prepares students to conduct an analysis of the nutritional situation in primary health care work areas the importance of planning and evaluating nutrition and health programs by the primary health service unit. Before can do it, students must have sufficient basic knowledge to carry out nutritional situation analysis, and basic knowledge regarding nutrition programs at community health centers.
Examination forms	Written and oral exams
Study and examination requirements	1. Minimum lecture attendance of 80% 2. Completed structured academic assignment 3. Not commit acts of fraud such as cheating or other acts of fraud
Reading List	1. Buttriss , JL , Welch , AA , Kearney , JM , Lanham , SA . (editors). New Public Health Nutrition. 2nd ed. 2018. John Wiley & Sons, Inc . 2. https://www.litbang.kemkes.go.id/laporan-riset-kesehatan-dasar- riskesdas/, https://pusdatin.kemkes.go.id/ 3. Robert D. Lee, David C. Nieman. Nutritional assessment .6th ed. 2013. Mc-Graw Hill. 4. Brown,J.E,et.al. Nutrition through the life cycle. 4th ed.2011. 5. Relevant and trustworthy journal articles 6. Indonesian Ministry of Health. Guidelines for Balanced Nutrition. 2014 7. WHO Physical Activity Recommendation 8. http://hukor.kemkes.go.id/uploads/produk_hukum/PMK_No 28_ Th_2019_ttg_Angka_Kecukupan_Gizi_Yang_Dianjurkan_Untuk_Ma syarakat_Indonesia.pdf 9. https://www.panganku.org/id-ID/beranda Directorate General of Public Health, Ministry of Health of the Republic of Indonesia. Proceedings: WNPG 2019. Sinar Harapan Library.

Module designation	Health Communications
Code Course	KES 6024
Semester(s) in which the module is taught	3
Person responsible for the module	Dela Aristi, M.KM
Language	Indonesian
Relation to curriculum	Compulsory course
Teaching methods	Collaborative learning, discussions based learning, structured activities
Workload (incl. contact hours, self- study hours)	• Lecture (class): (2 x 50 min x 14 wks) / 60 min = 23.33 h • Structured activities and Self study: (2 x 57 min x 16 wks) / 60 min * 2 times = 60.80 h • Exam: (2 x 50 min) x 2 times / 60 min = 3.33 h • Total = 87,46 hours
Credit points	2 Credit Hours ≈ 2.92 ECTS
Required and recommended prerequisites for joining the module	-
Module objectives/intended learning outcomes	1. Able to explain the meaning of communication, its components, processes, forms, communication etiquette and principles of communication in Islam. 2. Able to explain the definition of health communication, its urgency, components, forms, objectives, perspectives, cycles and examples of programs. 3. Able to implement effective presentations starting from preparation, opening, presentation skills that must be mastered and closing. 4. Able to explain the meaning of counseling, its objectives, functions, types, principles and benefits. 5. Able to explain theories related to PR, the power of mass media in health service decisions, Key Elements of PR Programs, PR Evaluation Parameters, PR Becomes Public Advocacy. 6. Able to implement behavior change communication strategies according to health problems (kespro, nutrition, malnutrition, etc.). 7. Able to implement health communication activities in the form of health education.
Content	This course studies knowledge about the basics of communication, principles and ethics of communication in Islam, health communication concepts, effective presentations and health communication applications such as counseling, public relations, BCC strategies and health education activities.
Examination forms	Written and project examination.
Study and examination requirements	1. Minimum lecture attendance of 80% 2. Completed structured academic assignment 3. Not commit acts of fraud such as cheating or other acts of fraud
Reading List	1. Liliweri, Hello. Basics of Health Communication. 2. Notoatmodjo, Soekidjo. 2010. Health Promotion Theory & Application. Bineka Cipta Publishers. 3. Schiavo, Renata. Health Communication from Theory to Practice. 4. Bensley, Robert J and Brookins-Fisher, Jodi. Public Health Education Methods Edition 2. Medical Book Publishers. 5. Notoatmodjo, Soekidjo. 2012. Health Promotion and Health Behavior. Bineka Cipta Publishers. 6. Adha, Kholifatul. Easy Guide to Public Speaking. 7. Indonesian Ministry of Health. 2018. Communication Strategy Guidelines: Behavior Change in Accelerating Stunting Prevention in Indonesia. 8. Indonesian Ministry of Health. 2010. Guidelines for Adolescent Health Counseling Techniques for Health Workers.

Module designation	Foundations of Environmental Health
Code Course	KES 2005
Semester(s) in which the module is taught	3
Person responsible for the module	Dewi Utami Iriani, MKes, Ph.D
Language	Indonesian
Relation to curriculum	Compulsory course
Teaching methods	Collaborative learning, small group discussion, case study
Workload (incl. contact hours, self- study hours)	• Lecture (class): (2 x 50 min x 14 wks) / 60 min = 23.33 h • Structured activities and Self study: (2 x 57 min x 16 wks) / 60 min * 2 times = 60.80 h • Exam: (2 x 50 min) x 2 times / 60 min = 3.33 h • Total = 87,46 hours
Credit points	2 Credit Hours ≈ 2.92 ECTS
Required and recommended prerequisites for joining the module	-
Module objectives/intended learning outcomes	1. Able to understand and explain the scope, limitations and problems of environmental health. 2. Able to understand and explain environmental health paradigms and epidemiology 3. Able to understand and explain environmental standards used for environmental health 4. Able to understand and explain vectors and their impact on human health 5. Able to understand and explain various things related to clean water and sanitation 6. Able to understand and explain types of waste and their management 7. Able to understand and explain the management of residential and tourism environmental health. 8. Able to understand and explain the role of environmental health in the industrial environment 9. Able to understand and explain the principles of healthy food and drink. 10. Able to understand and explain the role of environmental health in disasters and its position in global health 11. Able to conduct literature reviews related to environmental health, how to cite them. 12. Able to link environmental health themes with Islam
Content	This course, students understand the theory of Environmental Health, the sciences related to it, environmental health paradigms and epidemiology, disease vectors and reservoirs, water, air, land and food, city sanitation, housing.
Examination forms	Written examination
Study and examination requirements	1. Minimum lecture attendance of 80% 2. Completed structured academic assignment 3. Not commit acts of fraud such as cheating or other acts of fraud

Reading list	1. Soedomo, Moestikahadi. 2001. Air Pollution. Bandung. ITB Bandung 2. Azwar, Azrul. 1996. Introduction to Environmental Health Science. Jakarta. PT Mutiara. Source Widya. 3. Santoso, Iman. 2015. Sanitary Inspection of Public Places. Yohyakarta. Goshen Publishing 4. Sucipto, Cecep Dani. 2012. Waste Recycling Processing Technology. Yogyakarta. Goshen Publishing 5. Darmono, 2001. Environment and Pollution in Relation to Metal Compound Toxicology. Jakarta. UI Press 6. Sumantri, Arif. 2000. Environmental Health. Jakarta. Prenada Media Group. 7. Yassi, A. 2001. Basic Environmental Health. New York. Oxford University Press 8. Slamet, July Soemirat. 2000. Environmental Health. Yogyakarta : Gadjah Mada University Press 9. Mukono, H.J. 2000. Basic Principles of Environmental Health. Surabaya: Airlangga University Press 10. Sastrawijaya, A. Tresna. 2000. Environmental Pollution. Jakarta : Rineka Cipta Padang

Module designation	Health Economics
Code course	KES 3002
Semester(s) in which the module is taught	3
Person responsible for the module	M. Iqbal Nurmansyah, M.Sc.
Language	Indonesian
Relation to curriculum	Compulsory course
Teaching methods	Collaborative learning, small group discussion, structured activities, quiz
Workload (incl. contact hours, self-study hours)	• Lecture (class): (2 x 50 min x 14 wks) / 60 min = 23.33 h • Structured activities and Self study: (2 x 57 min x 16 wks) / 60 min * 2 times = 60.80 h • Exam: (2 x 50 min) x 2 times / 60 min = 3.33 h • Total = 87,46 hours
Credit points	2 Credit Hours ≈ 2.92 ECTS
Required and recommended prerequisites for joining the module	-
Module objectives/intended learning outcomes	1. Able to understand the basics of macroeconomics 2. Able to understand the basics of microeconomics 3. Able to understand the basics of health economics 4. Able to understand goods and services in the health industry 5. Able to understand demand and supply of health services 6. Able to understand the structure of the health services market 7. Able to understand the characteristics of the health sector 8. Able to understand the elasticity of health services 9. Able to understand costs, revenues and profits in the health sector 10. Able to understand the influencing factors on access to health services 11. Able to understand economic evaluations in the health sector
Content	Discusses economic and insurance principles as well as applications in the health sector both macro and micro, along with examples of their application in Indonesia.
Examination forms	Written and oral exams
Study and examination requirements	1. Minimum lecture attendance of 80% 2. Completed structured academic assignment 3. Not commit acts of fraud such as cheating or other acts of fraud
Reading List	1. Bhishma Murti. Health Economics. 2020 2. Indonesian Health Economic Association. Health Economics Textbook. 3. Modul Ekonomi Keseahtan 1: Youth Health Economics Association 4. Health Economics Module 2: Youth Health Economics Association

Module designation	Data Management and Analysis
Code course	KES 6306
Semester(s) in which the module is taught	3
Person responsible for the module	Dr. Yuli Amran, MKM
Language	Indonesian
Relation to curriculum	Compulsory course
Teaching methods	Collaborative learning, simulation
Workload (incl. contact hours, self-study hours)	• Lecture (class): (1 x 50 min x 14 wks) / 60 min = 11,67 h • Structured activities and Self study: (1 x 57 min x 16 wks) /60 min * 2 times = 30,40 h • Exam: (1 x 50 min) x 2 times / 60 min = 1,67 h • Total = 43,74 hours
Credit points	1 Credit Hours ≈ 1,46 ECTS
Required and recommended prerequisites for joining the module	-
Module objectives/intended learning outcomes	1. Able to explain basic knowledge and general description of management and data analysis 2. Able to explain research data collection methods 3. Able to explain the stages of data management 4. Able to explain the data transformation process 5. Able to explain data analysis techniques aimed at describing research variables 6. Able to explain data analysis techniques aimed at proving research hypotheses 7. Able to explain data analysis techniques aimed at creating prediction models 8. Able to design research data analysis frameworks in the field of public health 9. Able to design the presentation of research data in the field of public health for scientific seminars or conferences 10. Able to present the results of research data analysis in the field of public health for scientific seminars or conferences)
Content	The Data Management and Analysis course provides teaching about data concepts and variables in research data, data management processes, data modification, data analysis methods and their interpretation. The indicator of achievement in this course is that students are able to process, analyze data and use statistical software and interpret it correctly.
Examination forms	Written examination
Study and examination requirements	1. Minimum lecture attendance of 80% 2. Completed structured academic assignment 3. Not commit acts of fraud such as cheating or other acts of fraud
Reading list	Amran, Yuli and Rosad, Milza .N, Management and Data Analysis Lecture Module.

Module designation	Data Management and Analysis Practicum
Code course	KES 6307
Semester(s) in which the module is taught	3
Person responsible for the module	Dr. Yuli Amran, MKM
Language	Indonesian
Relation to curriculum	Compulsory course
Teaching methods	Practicums, discussion based learning
Workload (incl. contact hours, self- study hours)	• Practicums : (1 x 170 min x 14 wks) / 60 min = 39,67 h • Structured activities and Self study: (1 x 57 min x 16 wks) /60 min * 2 times = 30,40 h • Exam: (1 x 170 min) x 2 times / 60 min = 5,67 h • Total = 75,74 hours
Credit points	1 Credit Hours ≈ 2,52 ECTS
Required and recommended prerequisites for joining the module	-
Module objectives/intended learning outcomes	1. Able to identify variables in Public Health research 2. Able to change symbols into codes in the form of numbers 3. Able to practice the data entry process using statistical data analysis software 4. Able to practice data cleaning and data merger processes 5. Able to practice the data transformation process using statistical data analysis software 6. Able to practice data analysis aimed at describing research variables 7. Able to practice data analysis aimed at proving hypotheses 8. Able to practice data analysis aimed at predictive models 9. Able to analyze data according to the research analysis framework in the field of public health 10. Able to present data analysis results in the form of research posters in scientific seminar simulations 11. Able to interpret data descriptively 12. Able to interpret hypothesis test results
Content	Data analysis data management courses study basic data management techniques, data collection and processing techniques, data transformation and analysis as well as data presentation and interpretation.
Examination forms	Practical exam
Study and examination requirements	1. Minimum lecture attendance of 80% 2. Completed structured academic assignment 3. Not commit acts of fraud such as cheating or other acts of fraud
Reading list	Amran, Yuli and Rosad, Milza N, Management and Data Analysis Lecture Module.

Module designation	Islam and Science
Code course	SAG 2002
Semester(s) in which the module is taught	3
Person responsible for the module	Dr. M. Farid Hamzens, M.Si
Language	Indonesian
Relation to curriculum	Compulsory course
Teaching methods	Collaborative learneng, discussion base learning, case study
Workload (incl. contact hours, self- study hours)	• Lecture (class): (2 x 50 min x 14 wks) / 60 min = 23,3 h • Structured activities and Self study: (2 x 56 min x 16 wks) /60 min * 2 times = 59,73 h • Exam: (2 x 50 min) x 2 times / 60 min = 3,33 h • Total = 86,36 hours
Credit points	2 Credit Hours ≈ 2,88 ECTS
Required and recommended prerequisites for joining the module	Islamic Studies I, Islamic Studies II, Introduction to Public Health
Module objectives/intended learning outcomes	1. Students are able to understand the relevance of courses to public health and Islamic Public Health skills 2. Students are able to understand the meaning of science, its characteristics, and its relationship with philosophy. 3. Students are able to understand the epistemology of Islamic Science. 4. Students are able to understand the sources of Science (Ontology) in Islamic and Western Perspectives. 5. Students are able to understand the influence of Science, Culture and Civilization developed by Muslims on European and Western Civilization. 6. Students are able to understand monotheism as a basis for scientific development. 7. Students are able to understand the methodology of Scientific Development (Epistimology) in Islamic and Western Perspectives 8. Students are able to understand the natural sciences from an Islamic and Western perspective. 9. Students are able to understand the social sciences from an Islamic and Western perspective. 10. Students are able to understand the religious/humanities sciences from an Islamic and Western perspective 11. Students are able to understand the concept of Integration of Islamic Science with other Sciences (Islamization of Science). 12. Students are able to understand the Integration of Science in Islam; The Case of Islamic Psychology 13. Students are able to understand the integration of Islamic sciences with medicine and health sciences. 14. Students are able to understand the Integration of Islamic Science with Public Health Science (Basic Concepts of Islamic Public Health Practicum in the next semester)

Content	This course develops students' insight into the study of science and Islamic knowledge through an integrative paradigm. Indicators of achievement in this course are that students are able to explain the framework of scientific thinking in the perspective of ontology, epistemology and axiology as well as the impact and implementation in the scientific field, are able to carry out scientific arguments on the presentation of data provided, demonstrate knowledge of the basics of Islamic science in relation to themes developed by each field of expertise and students are able to understand the model of integration of science,religion and Indonesianism inrespective scientific fields.
Examination forms	Written examination
Study and examination requirements	1. Minimum lecture attendance of 80% 2. Completed structured academic assignment 3. Not commit acts of fraud such as cheating or other acts of fraud
Reading list	1. Bakhtiar, Proverbs, Themes of Islamic Philosophy, (Jakarta: UIN Jakarta Press, 2005), cet. I. 2. Husaini, Adian, (ed), Philosophy of Science from Western and Islamic Perspectives, (Jakarta:Gema Insani, 2013), cet. I. 1. Kartanegara, Mulyadi, Integration of Science in a Holistic Reconstruction, (Bandung: Arasy Mizan and UIN Jakarta Press, 1426 H./2005 M.) 2. Mujib, Abdul, Fithrah & Islamic Personality A Psychological Approach, (Jakarta: Darul Falah, 1423 H./2000 M.) 3. Nasution, Harun Islam Viewed from Various Aspects, Volume , (Jakarta: UI Press, 1979), cet. I. 4. Nata, Abuddin, Comprehensive Islamic Studies, (Jakarta: Prenada Media Group, 2011), cet. I. 5. Nata, Abuddin, et al., Integration of Religious and General Sciences, (Jakarta: UIN Jakarta Press, 2003), cet. I. 6. Rasyidi, H.M. Philosophy of Religion, (Jakarta: Bulan Bintang, 1965), cet. I. 7. Rosyada, Dede, Islam and Science, (Jakarta: RM Book, 2016), cet. I. 8. Shihab, M. Quraish, Wawasan al-Qur'an, (Bandung: Mizan, 1996 H./1416 H.), print. III. "Grounding" Al-Qur'an's Function of Revelation in Life, (Bandung: Mizan, 1413 H./1992 AD), cet. II.

Module designation	Community Development and Organizing
Code course	KES 3039
Semester(s) in which the module is taught	3
Person responsible for the module	Yustiyani, M.Si
Language	Indonesian
Relation to curriculum	Compulsory course
Teaching methods	Collaborative course, discussions based learning, structured activities
Workload (incl. contact hours, self- study hours)	• Lecture (class): (2 x 50 min x 14 wks) / 60 min = 23.33 h • Structured activities and Self study: (2 x 57 min x 16 wks) / 60 min * 2 times = 60.80 h • Exam: (2 x 50 min) x 2 times / 60 min = 3.33 h • Total = 87,46 hours
Credit points	2 Credit Hours ≈ 2.92 ECTS
Required and recommended prerequisites for joining the module	-
Module objectives/intended learning outcomes	1. Students are able to explain and discuss the history and urgency of community organizing and development. 2. Students are able to explain and discuss the concept of community organizing and development. 3. Students are able to explain and discuss the concepts of community empowerment and participation. 4. Students are able to explain and discuss community assets in assessing community needs and potential. 5. Students are able to explain and discuss assessment in Community Organizing and Development. 6. Students are able to explain and discuss alternative program planning in Community Organizing and Development. 7. Students are able to explain and discuss Action Plan Formulation in Community Organizing and Development 8. Students are able to explain and discuss Preparation in Community Organizing and Development. 9. Students are able to explain and discuss Implementation in Community Organizing and Development. 10. Students are able to explain and discuss Evaluation of Process and Change in Community Organizing and Development.. 11. Students are able to explain and discuss Termination in Community Organizing and Development. 12. Students are able to explain and discuss communication, advocacy, and negotiation techniques in Community Organizing and Development. 13. Students are able to explain and discuss the constraints in conducting community organizing and development.

Content	In this course, students discuss the concept of community, local culture, community behavior, aspects of community potential, the concept of community organizing and development, the concept of Community Development and Organizing planning (PPM), various methods of implementing PPM and evaluating PPM implementation. Indicators of achievement in this course are being able to evaluate the implementation of PPM to intervene in health problems by government and non-government institutions/institutions and being able to design PPM programs to solve public health problems.
Examination forms	Written examination
Study and examination requirements	1. Minimum lecture attendance of 70% 2. Completed structured academic assignment 3. Not commit acts of fraud such as cheating or other acts of fraud
Reading list	1. Community Empowerment as an effort to Empower the Community, Isbandi Rukminto Adi, Rajagrafindo Persada. 2. Health Empowerment in the Health Sector, Endang Sutisna Sulaeman, Gadjah Mada University Press 3. Health Communication, Triloka H. Putri and Achmad Fanani, Merkid Press Jogjakarta. 4. Community Organization and Development, Dr. Sarlito Wirawan 5. Sarwono, Drs. Subyakto Atmsiswojo, dr. Adi Sasongko, Public Health Publishing Agency, FKM UI.

Module designation	Health Promotion
Code course	KES 6023
Semester(s) in which the module is taught	3
Person responsible for the module	Dela Aristi, M.KM
Language	Indonesian
Relation to curriculum	Compulsory course
Teaching methods	Collaborative course, discussions based learning, structured activities
Workload (incl. contact hours, self- study hours)	• Lecture (class): (2 x 50 min x 14 wks) / 60 min = 23.33 h • Structured activities and Self study: (2 x 57 min x 16 wks) / 60 min * 2 times = 60.80 h • Exam: (2 x 50 min) x 2 times / 60 min = 3.33 h • Total = 87,46 hours
Credit points	2 Credit Hours ≈ 2.92 ECTS
Required and recommended prerequisites for joining the module	Basics of Health Promotion
Module objectives/intended learning outcomes	1. Able to explain the era of propaganda and health education, health promotion and health paragdima, and the current situation of health promotion in relation to HDI. 2. Able to identify health promotion activities that support health programs. 3. Able to explain the differences between MDGs and SDGs, unfinished agendas, government efforts in achieving SDGs and the role of promkes in SDGs. 4. Able to explain the results of agreements from international promkes conferences which are global commitments in health development efforts throughout the world. 5. Able to explain the core competencies and professional standards of health promoters, the health promotion competency qualification framework and the work responsibilities of health promoters. 6. Able to implement health promotion in various places (Puskesmas, Hospitals, Schools, Pesantren, Campuses, Workplaces, Public Places, Disadvantaged Areas, Borders and Islands).
Content	This course studies the history of the development of health promotion in Indonesia, the integration of health promotion with national health programs, knowledge of the role of health promotion in SDGs, the global journey of health promotion, the competence of health promoters and health promotion in various settings.
Examination forms	Written examination
Study and examination requirements	1. Minimum lecture attendance of 80% 2. Completed structured academic assignment 3. Not commit acts of fraud such as cheating or other acts of fraud

Reading list	1. Notoatmodjo, Soekidjo. 2010. Health Promotion Theory & Application. Bineka Cipta Publishers. 2. Notoatmodjo, Soekidjo et al. Global Health Promotion. Bineka Cipta Publishers. 3. Republic of Indonesia Ministry of Health. 2010. Health Promotion Global Commitment from Ottawa-Jakarta-Nairobi Towards Healthy People. 4. Hartono, Bambang. Health Promotion in Hospital Health Centers. Bineka Cipta Publishers. 5. Notoatmodjo, Soekidjo et al. Health Promotion in Schools. Bineka Cipta Publishers. 6. Tsourus, Agis D et al. Health Promoting Universities. 7. Nurmala, Ira et al. Health Promotion. 8. Naidoo, Jennie and Wills, Jane. Health Promotion: Foundations for Practice (2nd Edition). Bailliere Tindall. 2000 9. KMK RI No. 585/SK/MENKES/V/2007 concerning Guidelines for Implementing Promkes in Community Health Centers 10. Principles & foundations of health promotion and education / Randall R. Cottrell, James T. Girvan, James F. McKenzie.—5th ed. 11. Muhyiddin. The Indonesian Journal of Development Planning Volume 240 IV No. 2 – June 2020. Covid-19, New Normal and Development Planning in Indonesia. 12. Zulfia Husnia, Hario Megatsari. Health Promotion Journal: The Indonesian Journal of Health Promotion and Health Education Vol. 8 No. 1 (2020) 66-78 doi: 10.20473/jpk.V8.I1.2020.66-78. Health Promotion in Public Places of Sakinah Supermarket Surabaya. 13. http://sdgs.bappenas.go.id/wp content/uploads/2017/09/Kesehatan-dalam-Kerangka-SDGs.pdf 14. https://bulelengkab.go.id/assets/instansikab/82/bankdata/buku- panduan-sustainable-development-goals-sdgs-bagi-pemerintah- daerah-93.pdf 15. http://fk.ugm.ac.id/wp-content/uploads/2017/03/ORASI-ILMIAH- DIES-NATALIS-FK-UGM-KE-71.pdf 16. Marlina, Ginting, et al. 2011. Health Promotion in Disadvantaged Regions, Borders and Islands. Jakarta: Indonesian Ministry of Health.

Module designation	Infectious Disease Epidemiology
Code course	DOK 4027
Semester(s) in which the module is taught	3
Person responsible for the module	Dr. Minsarnawati, S.KM, M. Kes
Language	Indonesian
Relation to curriculum	Compulsory course
Teaching methods	Collaborative course, discussions based learning, structured activities
Workload (incl. contact hours, self- study hours)	• Lecture (class): (2 x 50 min x 14 wks) / 60 min = 23.33 h • Structured activities and Self study: (2 x 57 min x 16 wks) / 60 min * 2 times = 60.80 h • Exam: (2 x 50 min) x 2 times / 60 min = 3.33 h • Total = 87,46 hours
Credit points	2 Credit Hours ≈ 2.92 ECTS
Required and recommended prerequisites for joining the Module	-
Module objectives/intended learning outcomes	1. Able to explain the distribution (OTW) of major problems based on the frequency of infectious diseases infectious diseases: TB, Cholera, AIDS, Pneumonia, Dengue Fever, Measles, Polio, Filariasis, Rabies, Anthrax, Leptospirosis, Covid19. 2. Able to explain the determinants (etiology and risk factors) of infectious diseases: TB, Cholera, AIDS, Pneumonia, Dengue Fever, Measles, Polio, Filariasis, Rabies, Anthrax, Leptospirosis, Covid19. 3. Able to explain the determination of infectious disease diagnosis: TB, Cholera, AIDS, Pneumonia, Dengue Fever, Measles, Polio, Filariasis, Rabies, Anthrax, Leptospirosis, Covid19. 4. Able to explain the chain of infection of infectious diseases: TB, Cholera, AIDS, Pneumonia, Dengue Fever, Measles, Polio, Filariasis, Rabies, Anthrax, Leptospirosis, Covid19. 5. Able to explain the natural history of infectious diseases: TB, Cholera, AIDS, Pneumonia, Dengue Fever, Measles, Polio, Filariasis, Rabies, Anthrax, Leptospirosis, Covid19. 6. Able to explain the manifestation of clinical symptoms of infectious diseases: TB, Cholera, AIDS, Pneumonia, Dengue Fever, Measles, Polio, Filariasis, Rabies, Anthrax, Leptospirosis, Covid19 7. Able to explain infectious disease prevention and control programs: TB, Cholera, AIDS, Pneumonia, Dengue Fever, Measles, Polio, Filariasis, Rabies, Anthrax, Leptospirosis, Covid19 8. Able to explain research techniques in infectious diseases: TB, Cholera, AIDS, Pneumonia, Dengue Fever, Measles, Polio, Filariasis, Rabies, Anthrax Leptospirosis, Covid19
Content	Infectious disease epidemiology course is one of the courses that is generally taught in the commonly taught in Public Health or Medicine study programs with a course focuses on understanding the spread, prevention, and control of in the population. This course aims to provide an understanding of principles of epidemiology applied specifically in the study of infectious diseases. Students will learn the basic concepts of epidemiology, including the understanding of infectious diseases, epidemiologic research methods, and the use of epidemiologic data in the analysis of infectious diseases, risk factors and control of infectious diseases in the population. in the analysis of infectious diseases,

	risk factors and protective factors associated with the the spread of infectious diseases, and strategies for control and prevention of infectious diseases as well as research techniques in infectious diseases. and research techniques in infectious diseases..
Examination forms	Written test (multiple choice and essay)
Study and examination requirements	1. Minimum lecture attendance of 80% 2. Completed structured academic assignment 3. Not commit acts of fraud such as cheating or other acts of fraud
Reading list	1. Gordis, L. (2013). Epidemiology. Elsevier Health Sciences. 2. Nelson, K. E., Williams, C. M., & Graham, N. M. (2014). Infectious Disease Epidemiology: Theory and Practice. Jones & Bartlett Learning. 3. Rothman, K. J., Greenland, S., & Lash, T. L. (2012). Modern Epidemiology. Lippincott Williams & Wilkins. 4. Last, J. M., & Wallace, R. B. (2013). Maxcy-Rosenau-Last Public Health & Preventive Medicine. McGraw-Hill Education. 5. Giesecke, J. (2017). Modern Infectious Disease Epidemiology. CRC Press. 6. Porta, M. (2014). A Dictionary of Epidemiology. Oxford University Press. 7. Sudomo, M., & Hadisaputro, S. (2013). Epidemiologi Penyakit Infeksi. Jakarta: Penerbit Buku Kedokteran EGC. 8. Widjanarko, B., & Sidabalok, C. M. (2012). Dasar-dasar Epidemiologi Kesehatan Masyarakat. Jakarta: Rajawali Pers. 9. Tjandra, Y., & Handajani, R. (2012). Epidemiologi Dasar. Jakarta: Salemba Medika. 10. Kusnanto, H., & Susilo, A. (2019). Epidemiologi Penyakit Menular. Yogyakarta: Nuha Medika.

Module designation	Non Communicable Disease Epidemiology
Code course	DOK 4028
Semester(s) in which the module is taught	3
Person responsible for the module	Hoirun Nisa, SKM, MKes, PhD
Language	Indonesian
Relation to curriculum	Compulsory course
Teaching methods	Collaborative course, discussions based learning, structured activities
Workload (incl. contact hours, self- study hours)	• Lecture (class): (2 x 50 min x 14 wks) / 60 min = 23.33 h • Structured activities and Self study: (2 x 57 min x 16 wks) / 60 min * 2 times = 60.80 h • Exam: (2 x 50 min) x 2 times / 60 min = 3.33 h • Total = 87,46 hours
Credit points	2 Credit Hours ≈ 2.92 ECTS
Required and recommended prerequisites for joining the module	-
Module objectives/intended learning outcomes	1. Having an honest attitude, a spirit of independence, not giving up easily, being responsible, internalizing Islamic values, academic norms and ethics. 2. Demonstrate a critical, participatory and responsible attitude in completing tasks related to basic epidemiology learning assessments. 3. Have conceptual knowledge about the meaning of epidemiology and public health, approaches, types and methods of epidemiological research, epidemiological variables, natural history of disease, level of disease prevention, magnitude of public health problems, and determinant factors of health problems in society. 4. Have procedural knowledge about how to carry out screening and early detection of non-communicable diseases. 5. Have logical, critical, systematic and innovative thinking skills, in studying and applying epidemiological principles, concepts and methods that can be implemented in preventing and controlling the problem of non-communicable diseases in society.
Content	This course is a mandatory course that provides the ability to master the application of epidemiological principles in explaining non- communicable diseases. This course also discusses the distribution, risk factors and prevention strategies for non-communicable diseases.
Examination forms	Written examination
Study and examination requirements	1. Minimum lecture attendance of 80% 2. Completed structured academic assignment 3. Not commit acts of fraud such as cheating or other acts of fraud
Reading list	1. Hand out/lecture module on epidemiology of non-communicable diseases given by the instructor. 2. Kodim Nasrin et al. Collection of Lecture Materials for the Epidemiology of Non-Communicable Diseases. FKM UI. 3. Mac Mahon. B. & Trichopoulus, D. Epidemiology. Principles and Methods, 2nd edition, Little, Brown and Co. Boston, 1996l 4. Page R.M., Cole G.E & Timmereck T.C. Basic Epidemiological Methods and Biostatistics. A Practical Guidebook. Jones and Barlett Publisher. Boston. 1995 5. Jekel,J.F., Elmore J.G., & D.L. Katz. Epidemiology, Biostatistics and Preventive Medicine. WB saunders Co. Philadelphia

SEMESTER IV

Module designation	Public Health Surveillance
Code course	KES 6301
Semester(s) in which the module is taught	4
Person responsible for the module	Dr. Minsarnawati, SKM, M.Kes
Language	Indonesian
Relation to curriculum	Compulsory course
Teaching methods	Collaborative learning, discussion base learning, structured activities
Workload (incl. contact hours, self-study hours)	• Lecture (class): (2 x 50 min x 14 wks) / 60 min = 23.33 h • Structured activities and Self study: (2 x 57 min x 16 wks) / 60 min * 2 times = 60.80 h • Exam: (2 x 50 min) x 2 times / 60 min = 3.33 h • Total = 87,46 hours
Credit points	2 Credit Hours ≈ 2.92 ECTS
Required and recommended prerequisites for joining the module	-
Module objectives/intended learning outcomes	1. Students are able to correctly interpret the basic concepts of public health surveillance, including the definition, objectives, and scope of surveillance in the context of including the definition, objectives, and scope of surveillance in the context of public health. public health context. This includes an understanding of the importance of surveillance in monitoring and controlling population health problems. 2. Students are able to interpret the basic principles of public health surveillance, including surveillance indicator selection, surveillance system design and implementation, and methods of collecting, analysing, interpreting and reporting surveillance data. 3. Students are able to critique various types of surveillance used in public health, such as disease surveillance. public health, such as communicable disease surveillance, non-communicable disease surveillance, and environmental health surveillance. and environmental health surveillance. 4. Students are able to identify various data sources used in public health surveillance, including public health surveillance, including epidemiological data, laboratory data, environmental health data, and public health data environmental health, and public health data. 5. Students are able to interpret data collection methods used in public health surveillance, including epidemiological data, laboratory data, environmental health data, and public health data public health surveillance, including active surveillance, passive surveillance, and sentinel surveillance sentinel surveillance. 6. Students are able to interpret surveillance data analysis and interpretation to identify trends, patterns, and changes in population health and make informed appropriate decisions based on surveillance findings. 7. Students are able to design clear and communicative dissemination of surveillance information and understand the importance of sharing information with stakeholders. communicative, and understand the importance of sharing

	information with relevant parties for appropriate decision-making and action. for appropriate decision-making and action. 8. Students are able to critique the evaluation of public health surveillance system effectively 9. Students are able to criticise the various important roles of public health surveillance in decision making and public health intervention planning effectively.
Content	The Public Health Surveillance course is one of the courses taught in the Public Health study programme. in the Public Health study programme which aims to provide understanding of the principles, methods, and practices of surveillance in the context of public health. public health context. In this course, students will learn the basic concepts of basic concepts of public health surveillance, including the definition of surveillance, the purpose of surveillance, and its role in monitoring, understanding, and practising surveillance. its role in monitoring, understanding, and controlling health problems in populations. population. Students will also learn the various types of data and data sources used in surveillance, as well as surveillance techniques. and data sources used in surveillance, as well as techniques for collecting, analysing, interpreting and reporting surveillance data.
Examination forms	Written Exam
Study and examination requirements	a. Minimum lecture attendance of 80% b. Completed structured academic assignment c. Not commit acts of fraud such as cheating or other acts of fraud
Reading list	1. Last, J. M. (Ed.). (2001). A Dictionary of Epidemiology (4th ed.). Oxford University Press. 2. Teutsch, S. M., & Churchill, R. E. (Eds.). (2000). Principles and Practice of Public Health Surveillance (2nd ed.). Oxford University Press. 3. Lee, L. M., & Teutsch, S. M. (Eds.). (2010). Principles & Practice of Public Health Surveillance (3rd ed.). Oxford University Press. 4. Gregg, M. B. (Ed.). (2010). Field Epidemiology. Oxford University Press. 5. Centers for Disease Control and Prevention (CDC). (2012). Updated Guidelines for Evaluating Public Health Surveillance Systems: Recommendations from the Guidelines Working Group. MMWR. Recommendations and Reports, 61(RR-3), 1-32. 6. World Health Organization (WHO). (2012). Communicable Disease Surveillance and Response Systems: Guide to Monitoring and Evaluating. WHO. 7. Kementerian Kesehatan Republik Indonesia. (2012). Pedoman Surveilans Penyakit Menular. Jakarta: Kementerian Kesehatan RI. 8. Mochammad Hatta, I. Gede Putu Darma Putra, dan Andrias Tri Susilo (2019). 9. Surveilans Kesehatan Masyarakat. Jakarta: PT RajaGrafindo Persada. 10. Mulyanto dan Hari Basuki Notobroto (2019). Metodologi Surveilans Kesehatan Masyarakat. Yogyakarta: Deepublish. 11. Kusnanto, H. (2016). Surveilans Kesehatan Masyarakat: Teori dan Praktik. Yogyakarta: Pustaka Baru Press.

Module designation	Public Health Surveillance Practicum
Code course	KES 6302
Semester(s) in which the module is taught	4
Person responsible for the module	Dr. Minsarnawati, SKM, M.Kes
Language	Indonesian
Relation to curriculum	Compulsory course
Teaching methods	Presentations, discussions, assignment exercises, practice
Workload (incl. contact hours, self-study hours)	• Practical: (1 x 170 min x 14 wks) / 60 min = 39.67 h • Structured activities and Self study: (1 x 57 min x 16 wks) / 60 min * 2 times = 30.40 h • Exam: (1 x 170 min) x 2 times / 60 min = 5.67 h • Total = 75,74 hours
Credit points	1 Credit Hours ≈ 2.52 ECTS
Required and recommended prerequisites for joining the module	-
Module objectives/intended learning outcomes	1. Have an honest attitude, a spirit of independence, don't give up easily, be responsible, internalize Islamic values, academic norms and ethics. 2. Demonstrate a critical, participatory and responsible attitude in completing tasks related to the national epidemiological surveillance learning assessment. 3. Have conceptual knowledge about the meaning (definition) of surveillance, objectives and uses of surveillance, data sources, implementation and mechanisms for implementing surveillance. 4. Have procedural knowledge about how to carry out public health surveillance. 5. Have logical, critical, systematic and innovative thinking skills, in studying and applying principles, concepts and methods of public health surveillance that can be implemented in preventing and controlling disease or public health problems.
Content	This course is a mandatory course that emphasizes theoretical understanding of public health surveillance. In this course, students will practice analyzing surveillance data, making surveillance proposals and making surveillance reports. The assessment method used is assessment of learning outcomes in the form of UTS, UAS, and Formative, namely process and product assessments which include: assessment of discussion activity processes, and assignments, both group and independent.
Examination forms	Oral examination (Presentation of Surveillance and UAS Data Analysis Results Presentation of Practical Reports)
Study and examination requirements	1. Minimum lecture attendance of 80% 2. Completed structured academic assignment 3. Not commit acts of fraud such as cheating or other acts of fraud
Reading list	1. Hand out/lecture module on public health survey given by the instructors. 2. Teutsch, M.T., Churchill, R.E., Principles and Practice of Public Health Survaillance, OxfordUniversity Press, New York – Oxford, 2000 3. Eylenbosch, W.J., Noah, N.D., Surveillance in Heath and Disease, Oxford University Press, Oxford-New York, 1988. 4. WHO Recommended Surveillance Standards, 1997. 5. Guidelines for Evaluating Surveillance Systems, CDC Atlanta, GA, 1988. 6. Principles of Epidemiology : Disease Surveillance, Training and Laboratory Program Office, CDCAtlanta, GA.

Module designation	Health Planning and Evaluation
Code course	KES 6305
Semester(s) in which the module is taught	4
Person responsible for the module	Riastuti Kusuma Wardhani, Ph.D
Language	Indonesian
Relation to curriculum	Compulsory course
Teaching methods	Collaborative learning, discussion based learning, quiz, structured activities
Workload (incl. contact hours, self-study hours)	• Lecture (class): (2 x 50 min x 14 wks) / 60 min = 23.33 h • Structured activities and Self study: (2 x 57 min x 16 wks) / 60 min * 2 times = 60.80 h • Exam: (2 x 50 min) x 2 times / 60 min = 3.33 h • Total = 87,46 hours
Credit points	2 Credit Hours ≈ 2.92 ECTS
Required and recommended prerequisites for joining the module	-
Module objectives/intended learning outcomes	1. Students are able to describe the concepts of public health programmes, primary health care, definition/understanding of health programme planning, Islamic views on planning, scope of health programme planning, types of health programme planning, stages of health programme planning, results of health programme planning. 2. Students are able to describe the application of public health programme planning in primary health care. 3. Students are able to describe the concept/understanding of implementation in public health programmes, the relation between implementation and health programme planning, the stages of implementation of public health programmes, and the Islamic view on the implementation of planning. 4. Students are able to describe the application of public health programme implementation in primary health care that has been planned. 5. Students are able to describe the concept/understanding of evaluation of public health programmes and Islamic views on evaluation, especially in public health programmes, the relationship between evaluation and planning and implementation, types of evaluation, types of evaluation indicators, stages of evaluation, and evaluation results. 6. Students are able to describe the application of public health programme evaluation in primary health care that has been planned and implemented. 7. Students are able to practice planning public health programmes in primary health care by considering Islamic values (Maqasid Sharia). 8. Students are able to practice compiling public health programme implementation plans in primary health care by taking into account Islamic values (Maqasid Sharia). 9. Students are able to practice compiling evaluation of public health programmes in primary health care by taking into account Islamic values.
Content	This course explains the concept of planning and evaluation of health service development, the purpose and importance of planning and evaluation, explains the benefits of planning and evaluation, types of planning and evaluation, steps to carry out planning and evaluation in health programmes and describes the process of planning and evaluating health programmes. The achievement indicator of this course is to be able to determine the appropriate planning and evaluation methods in health programmes. Furthermore, at the end of the lecture students

	create a mini project to carry out various stages in health programme planning and design appropriate evaluation methods to be able to evaluate the health programme that has been designed.
Examination forms	Written exam
Study and examination requirements	a. Minimum lecture attendance of 80% b. Completed structured academic assignment c. Not commit acts of fraud such as cheating or other acts of fraud
Reading list	1. Schmets G, Rajan D, Kadandale S, editors. Strategizing national health in the 21st century: a handbook. Geneva: World Health Organization; 2016. 2. Joanna Hayden, Introduction to Public Health Program Planning, World Headquarters, Jones & Bartlett Learning, 2022. 3. Lawrence W. Green, Andrea Carlson Gielen, et. al, Health Program Planning, Implementation, and Evaluation, 2022, Oxford University Press 4. Health Policy and Planning Program Journal 5. Jurnal Kebijakan Kesehatan Indonesia 6. Jurnal Manajemen Kesehatan

Module designation	Arabic Language
Code course	BHS 2131
Semester(s) in which the module is taught	4
Person responsible for the module	Maulana, M.Ag
Language	Arabic
Relation to curriculum	Compulsory course
Teaching methods	Cooperative learning, text based intruction
Workload (incl. contact hours, self-study hours)	• Lecture (class): (3 x 50 min x 14 wks) / 60 min = 35 h • Structured activities and Self study: (3 x 57 min x 16 wks) / 60 min * 2 times = 89.6 h • Exam: (3 x 50 min) x 2 times / 60 min = 5 h • Total = 87,46 hours
Credit points	3 Credit Hours ≈ 4,32 ECTS
Required and recommended prerequisites for joining the module	-
Module objectives/intended learning outcomes	Speak, read and write simple Arabic sentences on the themes of faith, worship and morals using mufradat and sentence structures.
Content	This course is designed to develop students' ability to carry out simple conversations, read Arabic texts with harakat, and write simple sentences in Arabic with the theme of creed, worship, and morals.
Examination forms	Written examination
Study and examination requirements	1. Minimum lecture attendance of 80% 2. Completed structured academic assignment 3. Not commit acts of fraud such as cheating or other acts of fraud
Reading list	1. Hidayat,D.(2004).Bahasa Arab Qur'ani (Jilid1,2,3), Semarang & Jakarta: Karya Toha Putra dan Yayasan Bina Masyarakat Qur'ani 2. Lembaga Bahasa IAIN Jakarta (1991). Al-'Arabiyyah bi al-Namadzij, Jakarta: PT Bulan Bintang.

Modul designation	Leadership and System Thinking in Health
Code course	KES 6304
Semester(s) in which the module is taught	4
Person responsible for the module	Fajar Ariyanti, Ph.D
Language	Indonesian
Relation to curriculum	Compulsory course
Teaching methods	Collaborative learning, discussions based learning, simulations
Workload (incl. contact hours, self-study hours)	• Lecture (class): (2 x 50 min x 14 wks) / 60 min = 23.33 h • Structured activities and Self study: (2 x 57 min x 16 wks) / 60 min * 2 times = 60.80 h • Exam: (2 x 50 min) x 2 times / 60 min = 3.33 h • Total = 87,46 hours
Credit points	2 Credit Hours ≈ 2.92 ECTS
Required and recommended prerequisites for joining the module	-
Module objectives/intended learning outcomes	1. Able to describe reactive, generative thinking and systemic structures in dealing with various changes 2. Able to explain strategic leadership in the health sector 3. Able to explain the fifth disciplines 4. Able to explain changes at the individual, group and organizational system levels 5. Able to explain the implementation of the fifth disciplines in Islam 6. Able to explain learning organization in health organizations 7. Able to explain the implementation of Islamic strategic leadership and systems thinking, learning organization in the health sector
Content	This course discusses the urgency, function and position of strategic leadership and systems thinking in the transition to decentralization and the era of globalization, especially in the health sector. The aim of this course is to introduce strategic leadership and systems thinking as a new approach in dealing with health problems. This course explains the need to change the leadership model from traditional leadership to strategic leadership. Some of these changes need to be made individually, namely in the way of looking at future problems (mental model) and the ability to continue to improve one's quality (personal mastery). Apart from that, it is also necessary to make changes as a group, through team learning in creating a shared vision. This individual and group approach is always within the framework of systems thinking. To realize strategic leadership and systems thinking skills as a necessity in improving the performance of the health service system, a learning organization is needed. Therefore, the steps to create an organization that continues to learn will also be an important discussion in this lecture. This course also discusses the implementation of Islamic strategic leadership and systems thinking, learning organizations in the health sector
Examination forms	Project based exam
Study and examination requirements	1. Minimum lecture attendance of 80% 2. Completed structured academic assignment 3. Not commit acts of fraud such as cheating or other acts of fraud
Reading list	1. Senge, Peter, et.al. Fifth Discipline Handbook (Strategies and tools for Building a Learning Organization)-The Fifth Discipline Fieldbooks. Interaksara, 2002. 2. Senge, Peter, et.al. A Fifth Discipline Resource, Schools That Learn. Doubleday Dell Publishing Group Inc. New York. 2000. 3. Systems thinking for health systems strengthening. Alliance for Health Policy and Systems Research,WHO, 2009. 4. David H Peters, The application of systems thinking in health:

	why use systems thinking? Peters Health Research Policy and Systems, 2014

Module designation	Environmental Quality Analysis
Code course	KES 4040
Semester(s) in which the module is taught	4
Person responsible for the module	Dewi Utami Iriani, Ph.D
Language	Indonesian
Relation to curriculum	Compulsory course
Teaching methods	Project based learning, small group discussion, simulation and demontration
Workload (incl. contact hours, self-study hours)	• Lecture (class): (2 x 50 min x 14 wks) / 60 min = 23.33 h • Structured activities and Self study: (2 x 57 min x 16 wks) / 60 min * 2 times = 60.80 h • Exam: (2 x 50 min) x 2 times / 60 min = 3.33 h • Total = 87,46 hours
Credit points	2 Credit Hours ≈ 2.92 ECTS
Required and recommended prerequisites for joining the module	-
Module objectives/intended learning outcomes	1. Explain the kinetics of pollutant agents 2. Explain the parameters used to measure air, groundwater, food and waste quality 3. Explain the legal aspects that are used as a reference in measuring quality environment 4. Explain sample points in measuring environmental quality 5. Explain how environmental samples are taken 6. Explain the tools used in measuring environmental quality and their principles 7. Explain and interpret environmental quality data obtained from data in the field or articles related to environmental quality Present the results of interpretation of environmental data both from the field and articles
Content	In this course, students understand the principles of instruments and measurement of environmental quality, conduct environmental sampling (water, air, food, soil, vector), take measurements and interpret the measurement results, make a report on the quality of the environment at a location.
Examination forms	Written examination (Multiple choice)
Study and examination requirements	1. Minimum lecture attendance of 80% 2. Completed structured academic assignment 3. Not commit acts of fraud such as cheating or other acts of fraud
Reading list	1. Emma P. Popek. Sampling and Anaysis of Environmental Chemical Pollutans. A Complete Guide. AP 2. Uknown, 2009. Sediment Source Control Handbook And Adaptive to approach to restoration of Disturbed Areas. A Sierra Business Council Publication 3. Morris B Jacobs. 1951. The Chemical Analysis of Food and Food Products. VNRMc.Graw Hill.

	4. Harvard Format Citation Guide. How to Cite Sources in Harvard Citation Format Mendeley 5. Center for Development, Education and Training of the Indonesian Institute of Sciences. (2019). Scientific presentation techniques.

Module designation	Health Financing and Budgeting
Code course	KES 6303
Semester(s) in which the module is taught	4
Person responsible for the module	Riastuti Kusuma Wardhani, Ph.D
Language	Indonesian
Relation to curriculum	Compulsory course
Teaching methods	Collaborative learning, discussion based learning, structured activities
Workload (incl. contact hours, self-study hours)	• Lecture (class): (2 x 50 min x 14 wks) / 60 min = 23.33 h • Structured activities and Self study: (2 x 57 min x 16 wks) / 60 min * 2 times = 60.80 h • Exam: (2 x 50 min) x 2 times / 60 min = 3.33 h • Total = 87,46 hours
Credit points	2 Credit Hours ≈ 2.92 ECTS
Required and recommended prerequisites for joining the module	-
Module objectives/intended learning outcomes	1. Able to describe the basic concepts of Health Financing and Budgeting including definition, scope, components, principles, and theories. 2. Able to describe the principles of financial management with due regard to Islamic values (no usury, honest reporting, no mark up). 3. Able to analyse health financing in various countries and its conditions in Indonesia 4. Able to analyse health budgeting in various countries and its practices in Indonesia
Content	The health financing course is expected to provide students with an understanding of how health financing is explored, allocated and spent so that it can support the implementation of health development that can improve the level of public health as high as possible. This section will discuss various health financing topics such as the meaning of health financing and its scope, health financing models and health service financing reform in Indonesia.
Examination forms	Written exam
Study and examination requirements	1. Minimum lecture attendance of 80% 2. Completed structured academic assignment 3. Not commit acts of fraud such as cheating or other acts of fraud
Reading list	1. Joseph Kutzin, Sophie Witter,Matthew Jowett, Dorjsuren Bayarsaikhan. Developing a national health financing strategy: a reference guide. World Health Organization. 2017. 2. Pablo Gottret, George Schieber. Health financing revisited: a practitioner's guide. World Bank. 2006.

Module designation	English Language
Code course	BHS 3008
Semester(s) in which the module is taught	4
Person responsible for the module	Dr. Ratri Ciptaningtyas
Language	Indonesia
Relation to curriculum	Compulsory course
Teaching methods	Cooperatif learning, brainstroming, small group activity, refelction, discussion
Workload (incl. contact hours, self-study hours)	• Lecture (class): (3 x 50 min x 14 wks) / 60 min = 35 h • Structured activities and Self study: (3 x 57 min x 16 wks) / 60 min * 2 times = 89.6 h • Exam: (3 x 50 min) x 2 times / 60 min = 5 h • Total = 87,46 hours
Credit points	3 Credit Hours ≈ 4,32 ECTS
Required and recommended prerequisites for joining the module	-
Module objectives/intended learning outcomes	1. Able to understand grammar and vocabularies used in conversation in an academic environment 2. Able to understand grammar and vocabularies used in email in an academic environment 3. Able to identify grammar, vocabularies and collocation in scientific writing abstracts in an academic environment 4. Able to understand grammar, vocabularies and collocation used in abstracts of English scientific articles 5. Able to apply English speaking skills in academic nuances 6. Able to identify grammar and vocabularies in conversation and English presentation in health services related to the field of health service management, reproductive health and nutrition, epidemiology and biostatistics and companies related to the field of occupational safety and health, environmental health. 7. Able to apply conversation and presentation skills in English in health services related to health service management, reproductive health and nutrition, Epidemiology and Biostatistics and Companies related to the field of occupational safety and health, Environmental health
Content	This course focuses on two English language skills writing and speaking in an academic context. The general instruction objective of this course is that students are expected to be able to express ideas by having the skills to write a complete paragraph and presentation skills in accordance with the paragraphs that have been written using paragraphs that have been written by using English that is acceptable and coherent with language elements that are correct and appropriate to the context. Especially for writing skills, students are expected to understand the principle of complete sentences. Students are also expected to be able to present ideas in writing in the form of a narrative review with an arrangement of introductory, method, results and discussion, conclusion and recommendation which are combined into a complete article, recommendations that are combined into a complete article.
Examination forms	Written and oral examination
Study and examination requirements	1. Minimum lecture attendance of 80% 2. Completed structured academic assignment 3. Not commit acts of fraud such as cheating or other acts of fraud
Reading list	1. Fazio, Gene et.al. (1990). Practicing Paragraphs. Chicago: Hold, Rinehart, and Winston, Inc. 2. Greene, Anne E. (2013). Writing Science in Plain English. Chicago: The University of Chicago. 3. Harlington, David and LeBeau, C. (2008). Speaking Speech. Japan: Macmillan House. 4. Jordan, R.R. (1999). Academic Writing Course. New York:

	Longman. 5. LeBeau, C. & Harrington, D. (2003). Getting Ready for Speech: A Beginner Guide to Public Speaking. Oregon: Language Solution, Inc. 6. Kusmayanti, Ima N. (2014). Basic English for ICT Engineering Students. Bandung: Language Center Telkom University. 7. Kusmayanti, Ima N. (2012). Communicative English for ICT Engineering Students. Bandung: Dewa Ruchi. 8. Kusmayanti, Ima N. (2010). English for Academic Writing. Bandung: Institut Teknologi Telkom. 9. McCharthy, M, & O'Dell F. (2013). Academic Vocabulary in Use. 8 th Edition. Cambridge: Cambridge University Press. 10. Kusmayanti, Ima N. (2010). English for Academic Writing. Bandung: Institut Teknologi Telkom. 11. Oshima, A. & Hogue, Ann. (2005). Writing Academic English. New York: Longman. 12. Powell, Mark. (2010). Dynamic Presentations. Cambridge: Cambridge University Press. 13. Powell, Mark. (2002). Presenting in English: How to Give Successful Presentations. Boston: Thomson. 14. Reinhart, Susan M. (2013). Giving Academic Presentation. 2nd Edition. Michigan: The University of Michigan. 15. Reynold, Garr. (2008). Presentationzen: Simple Ideas on Presentation Design and Delivery. California: New Riders. 16. Sari, Florita D. (2004). From Sentence to Essay. Bandung: STT Telkom 17. Various online articles

Module designation	Research Methodology
Code course	KES 4041
Semester(s) in which the module is taught	4
Person responsible for the module	Narila Mutia Nasir, SKM, MKM, Ph.D
Language	Indonesian
Relation to curriculum	Compulsory course
Teaching methods	Lecturer and discussion
Workload (incl. contact hours, self-study hours)	• Lecture (class): (2 x 50 min x 14 wks) / 60 min = 23.33 h • Structured activities and Self study: (2 x 57 min x 16 wks) / 60 min * 2 times = 60.80 h • Exam: (2 x 50 min) x 2 times / 60 min = 3.33 h • Total = 87,46 hours
Credit points	2 Credit Hours ≈ 2.92 ECTS
Required and recommended prerequisites for joining the module	-
Module objectives/intended learning outcomes	1. Able to explain how to think scientifically. 2. Able to explain how to find research topics 3. Able to explain how to conduct a literature search. 4. Able to explain how to conduct a literature review. 5. Able to explain and formulate problems, objectives and benefits of research. 6. Able to explain how to develop a theoretical framework, conceptual framework and hypothesis. 7. Able to explain how to make operational definitions. 8. Able to explain the kinds of quantitative designs. 9. Able to explain the kinds of qualitative designs. 10. Able to explain population and sample 11. Able to explain various sampling techniques in quantitative researce 12. Able to explain data analysis and quantitative instruments. 13. Able to explain data analysis and qualitative instruments. 14. Capita Selekta
Content	This course studies the stages of conducting scientific research. Students are explained about the process of process of preparing research proposals both quantitative and qualitative based on the concept of scientific research systematically. In addition, students compile proposals by raising public health problems that have been reviewed and cited based on scientific references, compiling a research conceptual framework, determining research design, research methods, and research design. based on scientific references, develop a research conceptual framework, determine research design, data collection methods and appropriate data analysis. data collection and appropriate data analysis.
Examination forms	Written exam (Multiple choice and proposal)
Study and examination requirements	a. Minimum lecture attendance of 80% b. Completed structured academic assignment c. Not commit acts of fraud such as cheating or other acts of fraud
Reading list	1. Wibowo's younger brother. Practical Research Methodology in the Health Sector. RajaGrafindo, 2018 2. M. Sopiyudin Dahlan. Sample Size in Medical and Health Research. Indonesian Epidemiology, 2019 3. W. Alex Edmonds dan Thomas D. Kennedy. An Applied Guide to Research Designs, Quantitative, Qualitative, and Mixed Method, SAGE publication, 2017 4. Sutanto PH. Data Analysis in the Health Sector, Raja Grafindo, 2018 5. Lyn Richard. Handling Qualitative Data, a practical guide, SAGE Publication, 2009

Module designation	Fundamental of Occupational Health and Safety
Code course	KES 3031
Semester(s) in which the module is taught	4
Person responsible for the module	Dr. Iting Shofwati, ST, MKKK
Language	Indonesian
Relation to curriculum	Compulsory course
Teaching methods	Collaborative learning, discussions based learning, structured activities
Workload (incl. contact hours, self-study hours)	• Lecture (class): (2 x 50 min x 14 wks) / 60 min = 23.33 h • Structured activities and Self study: (2 x 57 min x 16 wks) / 60 min * 2 times = 60.80 h • Exam: (2 x 50 min) x 2 times / 60 min = 3.33 h • Total = 87,46 hours
Credit points	2 Credit Hours ≈ 2.92 ECTS
Required and recommended prerequisites for joining the module	
Module objectives/intended learning outcomes	1. Able to understand the definition of work accidents, classification of work accidents, work accident ratio, legal basis for the implementation of work accident investigation and prevention. 2. Students are able to compile work accident reports based on the results of investigations carried out 3. Students are able to explain the principles in the OHS performance monitoring program 4. Students are able to analyze the costs of work accidents, both direct and indirect costs.
Content	This course discusses the concept and scope of occupational health and safety, legal aspects, hazards and their control, risk management, personal protective equipment, occupational accidents and occupational diseases, occupational health and safety management systems and occupational health and safety programs in the workplace such as industrial hygiene, occupational health, occupational health surveillance, fire and STD prevention, ergonomics, and occupational health and safety promotion. In addition to discussing theory, in this course students also measure the office work environment and practice using personal protective equipment.
Examination forms	Written examination (essay)
Study and examination requirements	1. Minimum lecture attendance of 80% 2. Completed structured academic assignment 3. Not commit acts of fraud such as cheating or other acts of fraud
Reading list	1. Indonesian Ministry of Health. Minister of Health Regulation No. 48 of 2016 concerning Office Occupational Safety and Health Standards 2016. 2. Indonesian Ministry of Health. Minister of Health Regulation No. 70 of 2016 concerning Health Standards and Requirements for Industrial Work Environments. Jakarta: Ministry of Health; 2016. 3. Ministry of Manpower. Minister of Manpower Regulation No. 5 of 2018 concerning Occupational Safety and Health in the Work Environment 2018. 4. Reese, C. D. (2017). Occupational Safety and Health: Fundamental Principles and Philosophies (Second ed.). Boca Raton: CRC Press. 5. Brauer, R. L. (2016). Safety and Health for Engineers (Third ed.). New Jersey: A John Wiley & Sons, Inc. 6. Tweedy, J. T. (2014). Introduction to Hazard Control Management: A Vital Organizational Function. Boca Raton:

CRC Press.
7. Schneid, T. D. (2014). Workplace Safety and Health: Assessing Current Practices and Promoting Change in the Profession. Boca Raton: CRC Press.
8. Keller's, J. J. (2014). 5-Minute Workplace Safety Talks United States of America: J.J. Keller & Associates, Inc.
9. Speegle, M. (2013). Safety, Health, and Environmental Concepts for the Process Industry (Second ed.). United States of America: Delmar Cengage Learning.
10. Backhouse, J. (2013). Essential Health & Safety Study Skill. New York: Routledge.
11. HaSPA (Health and Safety Professionals Alliance). (2012). The Core Body of Knowledge for Generalist OHS Professionals. Tullamarine, VIC: Safety Institute of Australia.

SEMESTER V

Module designation	Health Information System
Code course	KES 4021
Semester(s) in which the module is taught	5
Person responsible for the module	Catur Rosidati, MKM.
Language	Indonesian
Relation to curriculum	Compulsory course
Teaching methods	Collaborative learning, discussion based learning, structured activities
Workload (incl. contact hours, self-study hours)	• Lecture (class): (2 x 50 min x 14 wks) / 60 min = 23.33 h • Structured activities and Self study: (2 x 57 min x 16 wks) / 60 min * 2 times = 60.80 h • Exam: (2 x 50 min) x 2 times / 60 min = 3.33 h • Total = 87,46 hours
Credit points	2 Credit Hours ≈ 2.92 ECTS
Required and recommended prerequisites for joining the module	-
Module objectives/intended learning outcomes	1. Students are able to analyze the relationship between Health Information System components referring to Health Metric Network (HMN) from WHO 2. Students are able to analyze the function of the Health Information System in supporting programs and health service management 3. Students are able to analyze the characteristics of various health information systems existing in health service institutions according to existing facts based on piety to Allah SWT 4. 4. Students are able to evaluate the success of the Health Information System pay attention to academic values 5. Students are able to design performance assessments of Health Information Systems in institutions using Health Metric Network Tools
Content	This course studies the meaning and characteristics Health information systems, the urgency of Health Information Systems in health management and services, Health Information System components according to Health Metric Network, WHO (resources, indicators, data sources, data management, information and information dissemination), forms of Health Information Systems (National Health Information System, Health Information System Regional, Community Health Center Information System, Hospital Information System, Medical Record Information System), designing indicators for health programs, assessing the success of information systems, designing Health Information System performance assessments using Helath Metric Network tools.
Examination forms	Written Examination
Study and examination requirements	1. Minimum lecture attendance of 75% 2. Completed structured academic assignment 3. Not commit acts of fraud such as cheating or other acts of fraud
Reading list	1. Framework and Standards for Country Health Information Systems, Second Edition, WHO, 2008 2. Braa Jorn, Sundararaman T, Sahay Sundeep, Public health Informatics, Oxford University Press, 2017 3. Carroll Patrick, et all, Public Health Informatics and Information Systems, Springer, New York, 2003

Module designation	Health Media Promotion Development
Code course	KES 6559
Semester(s) in which the module is taught	5
Person responsible for the module	Dela Aristi, M.KM
Language	Indonesian
Relation to curriculum	Compulsory course
Teaching methods	Collaborative learning, lecture, discussion based learning
Workload (incl. contact hours, self-study hours)	• Lecture (class): (1 x 50 min x 14 wks) / 60 min = 11.67 h • Structured activities and Self study: (1 x 57 min x 16 wks) / 60 min * 2 times = 30.40 h • Exam: (1 x 50 min) x 2 times / 60 min = 1.67 h • Total = 43,74 hours
Credit points	1 Credit Hours ≈ 1,46 ECTS
Required and recommended prerequisites for joining the module	-
Module objectives/intended learning outcomes	1. Able to explain the definition of media, the role of media in health promotion, important health promotion issues and the role of health workers in the information era, the purpose of health promotion media, classification and characteristics of health promotion media. 2. Able to explain situation analysis, target analysis, design strategy, message development and media testing, implementation and monitoring as well as media evaluation and redesign. 3. Able to explain the definition and purpose of a poster, principles of poster design, stages of poster design and criteria for a good poster. 4. Able to explain Instagram social media, professional IG profiles, hashtags, captions and techniques for making video reels. 5. Able to explain the definition of a podcast, characteristics and types of podcasts, as well as the process of presenting podcast content (pre-production, production and post-production) 6. Able to explain the definition of photography, elements of photography, photo categories, cameras and camera settings.
Content	The Health Promotion Media Development Theory course is an important course for students to be able to have knowledge related to health promotion media. In this course students will learn about health promotion media, the stages of developing health promotion media and the technical theory of creating Audio Visual Aids media.
Examination forms	Written Examination (Multiple Choice Question Test)
Study and examination requirements	1. Minimum lecture attendance of 80% 2. Completed structured academic assignment 3. Not commit acts of fraud such as cheating or other acts of fraud
Reading list	1. Health Communication Capacity Collaborative (November 2013). The P Process. Five Steps to Strategic Communication. Baltimore: Johns Hopkins Bloomberg School of Public Health Center for Communication Programs. 2. Notoatmodjo. 2012. Health Promotion and Health Behavior. Jakarta: Rineka Cipta 3. Bambang Riadi and Priyo Harjo. 2007. Development of Health Promotion Messages and Media. Malang: Human Excellence Power Institute (HEPi). 4. Escalada, Monina. Pretesting and Evaluation of Communication Materials. 5. Spector, Jonathan & Merrill, M.D. & Elen, Jan & Bishop, MJ. (2014). Handbook of research on Educational Communications And Technology: Fourth Edition. 10.1007/978-1-4614-3185-5. 6. Decree of the Minister of Health Number

	1193/Menkes/SK/X/2004concerning National Health Promotion Policy. 7. Keputusan Menteri Kesehatan Nomor 1193/Menkes/SK/X/2004 tentang Kebijakan Nasional Promosi Kesehatan. 8. O'Sullivan, G.A., Yonkler, J.A., Morgan, W., and Merritt, A.P. A Field Guide to Designing a Health Communication Strategy, Baltimore, MD: Johns Hopkins Bloomberg School of Public Health/Center for Communication Programs, March 2003. 9. Jatmika, Septian Emma Dwi. 2019. *Buku Ajar Pengembangan Media Promosi Kesehatan*. Yogyakarta: K-Media.

Module designation	Health Promotion Media Development Practicum
Code course	KES 5741
Semester(s) in which the module is taught	5
Person responsible for the module	Dela Aristi, M.KM
Language	Indonesian
Relation to curriculum	Compulsory course
Teaching methods	Collaborative learning, discussion based learning, project based learning
Workload (incl. contact hours, self-study hours)	• Practicum (class): (1 x 170 min x 14 wks) / 60 min = 39.67 h • Structured activities and Self study: (1 x 57 min x 16 wks) / 60 min * 2 times = 30.40 h • Exam: (1 x 170 min) x 2 times / 60 min = 5.67 h Total = 75,74 hours
Credit points	1 Credit Hours ≈ 2,52 ECTS
Required and recommended prerequisites for joining the module	-
Module objectives/intended learning outcomes	1. Able to classify and determine the characteristics of health promotion media. 2. Able to carry out problem analysis and target analysis. 3. Able to carry out design strategies for developing health promotion media. 4. Able to compose health messages. 5. Able to conduct health promotion media trials. 6. Able to evaluate health promotion media. 7. Able to create AVA media.
Content	The Health Promotion Media Development Practicum course is an important course for students to be able to have skills in creating health promotion media. In this course students will develop health promotion media and the technicalities of making AVA media.
Examination forms	Oral exam (project based exam)
Study and examination requirements	1. Minimum lecture attendance of 80% 2. Completed structured academic assignment 3. Not commit acts of fraud such as cheating or other acts of fraud
Reading list	1. Health Communication Capacity Collaborative (November 2013). The P Process. Five Steps to Strategic Communication. Baltimore: Johns Hopkins Bloomberg School of Public Health Center for Communication Programs. 2. Notoatmodjo. 2012. Health Promotion and Health Behavior. Jakarta: Rineka Cipta 3. Bambang Riadi and Priyo Harjo. 2007. Development of Health Promotion Messages and Media. Malang: Human Excellence Power Institute (HEPi). 4. Escalada, Monina. Pretesting and Evaluation of Communication Materials. 5. Spector, Jonathan & Merrill, M.D. & Elen, Jan & Bishop, MJ. (2014). Handbook of research on Educational Communications And Technology: Fourth Edition. 10.1007/978-1-4614-3185-5. 6. Keputusan Menteri Kesehatan Nomor 1193/Menkes/SK/X/2004 tentang Kebijakan Nasional Promosi Kesehatan. 7. O'Sullivan, G.A., Yonkler, J.A., Morgan, W., and Merritt, A.P. A Field Guide to Designing a Health Communication Strategy, Baltimore, MD: Johns Hopkins Bloomberg School of Public Health/Center for Communication Programs, March 2003 8. Jatmika, Septian Emma Dwi. 2019. Buku Ajar Pengembangan Media Promosi Kesehatan. Yogyakarta: K-Media.

Module designation	Field Learning Experience 1
Code course	KES 5001
Semester(s) in which the module is taught	5
Person responsible for the module	Team
Language	Indonesian
Relation to curriculum	Compulsory course
Teaching methods	Collaborative learning, project-based learning, discussion based learning
Workload (incl. contact hours, self-study hours)	Structured activities and Self study: (2 x 150 min x 22 wks) / 60 min = 110 h
Credit points	2 Credit Hours ≈ 3,67 ECTS
Required and recommended prerequisites for joining the module	-
Module objectives/intended learning outcomes	**General Employability Skills:** Able to apply logical, critical, systematic, and innovative thinking incontext Development or Implementation of science and technology that Pay attention to and apply humanities values in accordance with the field Expertise. Able to show performance, independent, quality and measurable. Able to make decisions appropriately in the context of problem solving in his field of expertise based on the results of information and data analysis. Able to maintain and develop networks and develop network with the person in charge, colleagues, peers both within and within outside the institution. Able to be responsible for the achievement of group work. Able to carry out the process of self-evaluation of the working group located under his responsibility and able to manage independent learning. Able to document, store, secure and locate Return data to ensure validity and prevent plagiarism. **Specific Employability Skills:** Able to apply the assessment and analysis of the situation in the field of health at the level of Primary Health Care Activities with an Interdisciplinary Approach. Able to implement effective communication by paying attention to Islamic values. Able to implement the kesmas program by taking into account Islamic values and local culture. Able to carry out community empowerment in promotional activities and preventive by paying attention to Islamic values. Able to apply financial management principles by paying attention to values Islam (not usury, honest in reporting, not marked). Able to apply leadership values and systems thinking in the field Kesmas with an interdisciplinary approach by paying attention to Islamic values. **Graduate Learning Outcomes: Knowledge** Have basic knowledge as a tool for analyzing behavioral situations community, nutritional status, environmental health, K3 and health services. Have knowledge of effective communication (knowledge of communicators (language), message (science of substance of public health), communicant (psychology, education, anthropology, sociology, media and Islamic principles in Communicate. Have knowledge of planning, implementation, implementation and evaluation of health programs by taking into account Islamic values and local culture. Have knowledge about community behavior, local culture, organizing, developing and empowering communities in accordance

	with Islamic values. Able to translate programs in the form of planning budgets, budget monitoring and evaluation. Have knowledge of target needs assessment, needs analysis, development of objectives, objectives and media development (communication science, media evaluation). **Graduate Learning Outcomes: Attitude** Fear God Almighty and able to show religious attitude Uphold human values in carrying out duties based on Islam. Contribute to improving the quality of life in society, nation, statehood, and the advancement of civilization based on Pancasila. Acting as a proud citizen and love the motherland, having nationalism and a sense of responsibility to the state and nation. Respect the diversity of cultures, views, religions, and beliefs, and the opinions or original findings of others. Work together and have social sensitivity and concern for the community and the environment. Obey the law and discipline in social and state life. Internalize Islamic values in academic ethics. Show an attitude of responsibility for work in their field of expertise independently. Internalize the spirit of independence, struggle, and entrepreneurship.
Content	The Field Learning Experience course is one of the courses that aims to provide experience to students in conducting analysis and assessment of public health situations.
Examination forms	Create a report, Oral presentation
Study and examination requirements	1. Students participating in PBL must be present during the PBL implementation time (debriefing and practice in the community) at least 80% attendance, unless illness is proven with a doctor's certificate. 2. Students participating in PBL are prohibited from acting and behaving criminally, no ethical and immoral (including smoking in public places) that can Defame the alma mater and personal. 3. During the implementation of PBL in the community, students are prohibited from participating in activities with political parties, both for mass mobilization and political activities Other 4. Students are prohibited from leaving the PBL location without the permission of the Insurer Lecturer Answer. 5. Students participating in PBL must dress neatly, modestly and cover their aurat and wear shoes during debriefing lectures and during practice in the community. 6. Students are required to wear alma mater attributes when carrying out activities in community. 7. Students participating in PBL are required to do and carry out tasks on time according to a predetermined schedule.
Reading list	Field Learning Experience Guidelines

Module designation	Industrial Hygiene
Code course	KES 4011
Semester(s) in which the module is taught	5
Person responsible for the module	Dr. Iting Shofwati, ST.MKKK
Language	Indonesian
Relation to curriculum	Compulsory course
Teaching methods	Lectures/lectures, discussions
Workload (incl. contact hours, self- study hours)	• Lecture (class): (2 x 50 min x 14 wks) / 60 min = 23.33 h • Structured activities and Self study: (2 x 55 min x 16 wks) / 60 min * 2 times = 58,67 h • Exam: (2 x 50 min) x 2 times / 60 min = 3.33 h • Total = 85,33 hours
Credit points	2 Credit Hours ≈ 2.84 ECTS
Required and recommended prerequisites for joining the module	Fundamental of Occupaional Health and Safety
Module objectives/intended learning outcomes	Showing attitude: 1. Do not cheat while attending lectures 2. Take an active role in group work 3. Obey the rules set out in the lecture 4. Responsible for the results of group assignments 5. Demonstrate an attitude of independence, struggle and hard work in carrying out lecture assignments
	Has knowledge aspects in the form of: 1. Basic Concepts of IR 2. Activities to anticipate and recognize occupational health hazards 3. Occupational health hazard evaluation activities 4. Control of Occupational Health Hazards 5. AREP noise hazard 6. There is a danger of extreme hot temperatures 7. There is a danger of extreme cold temperatures 8. AREP vibration hazard 9. There is a danger of ionizing radiation 10. There is a danger of non ion radiation 11. AREP is a chemical hazard 12. AREP is a biological hazard 13. AREP ergonomic hazards 14. AREP psychosocial danger
Content	This course discusses the Basic Concepts of HI which include activities for anticipating, recognizing, evaluating and controlling various occupational health hazards that exist in the workplace. Occupational health hazards discussed in this course include noise, extreme hot and cold temperatures, vibration, ionizing and non-ionizing radiation, chemistry, biology, ergonomics and psychosocial hazards.
Examination forms	Written exam (multiple choice, essay, case study)
Study and examination requirements	1. Minimum lecture attendance of 80% 2. Completed structured academic assignment 3. Not commit acts of fraud such as cheating or other acts of fraud

Reading list	1. Clarke, S. and Cooper, C. L. (2003) Managing the risk of workplace stress: Health and safety hazards, Managing the Risk of Workplace Stress: Health and Safety Hazards. doi: 10.4324/9780203644362. 2. Glendon, A. I., Clarke, S. G. and Mckenna, E. F. (2006) Human Safety and Risk Management. 2nd Editio, Journal of Chemical Information and Modeling. 2nd Editio. Taylor & Francid. doi: 10.1017/CBO9781107415324.004. 3. Gunawan, D. F. A. and Waluyo, D. (2015) Risk Based Behavioral Safety. Jakarta: PT. GraPlatform Main Library. 4. Simpson, G., Horberry, T. and Joy, J. (2009) Understanding Human Error in Mine Safety, Misadventures in Health Care: Inside Stories. UK: MPG Group Books. doi: 10.4324/9781410609038-8. 5. Stanton, N. and Young, M. S. (2003) A Guide To Methodology in Ergonomics. Taylor & Francis. 6. Syafei, Yani, Prof. Dr, I. H. M., Sumerli, Chevy Herli, D. I. H. and Susilowati, Etty, H. (2018) Ergonomics Concepts in Product Design Concepts & Methods. Bandung: Alfabeta CV. 7. Wiegmann, D.A. and Shappell, S. A. (2003) 'a Human Error Approach To Aviation Accident Analysis, The Human Factor Analysis and Clasification System', p. 161.

Module designation	Occupational Safety and Health Regulation
Code course	HUK 4103
Semester(s) in which the module is taught	5
Person responsible for the module	1. Dr. Iting Shofwati, ST.MKKK 2. Siti Rahmah Hidayatullah Lubis, MKKK
Language	Indonesian
Relation to curriculum	Compulsory course
Teaching methods	Collaborative learning, discussions based learning, structured activities
Workload (incl. contact hours, self-study hours)	• Lecture (class): (2 x 50 min x 14 wks) / 60 min = 23.33 h • Structured activities and Self study: (2 x 55 min x 16 wks) / 60 min * 2 times = 58,67 h • Exam: (2 x 50 min) x 2 times / 60 min = 3.33 h • Total = 85,33 hours
Credit points	2 Credit Hours ≈ 2.84 ECTS
Required and recommended prerequisites for joining the module	Fundamental of Occupaional Health and Safety
Module objectives/intended learning outcomes	1. Understand the legal aspects of implementing occupational safety and health in Indonesia 2. Understand the legislation regarding threshold values, standards and requirements for occupational safety and health in the work environment 3. Understand the legislation regarding employment social security 4. Understand the legislation regarding occupational safety and health in Indonesia 5. Understand legislation regarding occupational health standards 6. Understand the legislation regarding Occupational Diseases 7. Understand the legislation regarding procedures for reporting and examining work accidents 8. Understand legislation regarding construction occupational safety and health 9. Understand legislation regarding chemical occupational safety and health 10. Understand legislation regarding radiation occupational safety and health 11. Understand the legislation regarding oil and gas and mineral and coal occupational safety and health 12. Understand legislation regarding occupational safety and health in the health service sector
Content	This course discusses various statutory regulations and implementing regulations in the field of occupational safety and health as a provision for students in carrying out their duties as occupational safety and health experts/work environment occupational safety and health experts to ensure that legal aspects are fulfilled in the workplace. Various legal materials that will be discussed in this course include (1) legal aspects of implementing K3 in Indonesia, (2) implementing occupational safety and health in Indonesia, (3) threshold values, standards and requirements for work environment health, (4) health standards work which includes (a) preventing disease, (b) improving health, (c) treating disease and (d) restoring health; (5) employment social security, (6) procedures for reporting and examining work accidents/PAK, (7) implementation of occupational safety and health in various fields/electricity, such as occupational safety and health electricity, occupational safety and health Chemistry, occupational safety and health Radiation, occupational safety and health Construction, occupational safety and health Oil and Gas and Mining and

	occupational safety and health in Health services.
Examination forms	Written exam (multiple choice, essay, case study)
Study and examination requirements	1. Minimum lecture attendance of 80% 2. Completed structured academic assignment 3. Not commit acts of fraud such as cheating or other acts of fraud

Reading list	I. Session 1 - legal aspects of implementing K3 in Indonesia 1. 1945 Constitution 2. Law No. 1 of 1970 on work safety 3. UU no. 13 of 2003 concerning employment 4. Law No. 36 of 2009 concerning Health 5. PP No. 50 of 2012 concerning Implementation of Occupational Safety and Health Management Systems 6. PP 7 of 2019 concerning Occupational Diseases 7. PP 88 of 2019 concerning Occupational Health 8. UU no. 40 of 2004 concerning the National Social Security System 9. Law No. 24 of 2011 concerning Social Security Administering Bodies II. Session 2 - Threshold values, standards and requirements for work environment health 1. PP No. 66 of 2014 concerning Environmental Health 2. Minister of Manpower Regulation 05/2018 concerning K3 Work Environment 3. Minister of Health Regulation 70/2016 concerning Health Standards and Requirements for Industrial Work Environments 4. Minister of Health Regulation 48/2016 concerning Office Occupational Safety and Health Standards 5. DKI Jakarta Gubernatorial Regulation No. 54 of 2008 concerning Indoor Air Quality Standards (KUDR) III. Session 3 – BPJS Employment 1. Law No. 40 of 2004 concerning the National Social Security System 2. Law No. 24 of 2011 concerning Social Security Administering Bodies 3. PP No 86 of 2013 concerning Procedures for Imposing Administrative Sanctions on Employers Other than State Administrators and Every Person, Apart from Employers, Workers and Recipients of Contribution Assistance in the Implementation of Social Security 4. PP No. 60 of 2015 concerning Amendments to PP N0. 46 of 2015 concerning the Implementation of the Old Age Security Program 5. PP No. 45 of 2015 concerning the Implementation of Pension Guarantee Programs 6. PP No. 46 of 2015 concerning the Implementation of the Old Age Security Program 7. PP No. 44 of 2015 concerning the Implementation of Work Accident Insurance and Death Insurance Programs 8. PP No. 70 of 2015 concerning Work Accident Insurance and Death Insurance for State Civil Service Employees

	9. Minister of Manpower Regulation No. 29 of 2015 concerning Procedures for Membership Registration, Payment and Termination of Pension Guarantee Benefits 10. Minister of Manpower Regulation No. 26 of 2015 concerning Procedures for Implementing Work Accident Insurance, Death Insurance and Old Age Security Programs for Wage Earning Participants 11. BPJS Employment Regulation No. 7 of 2015 concerning Guidelines for Implementing Old Age Security Benefit Payments 12. BPJS Employment Regulation No. 3 of 2015 concerning Forms of Participant Cards, Participation Certificates, and Forms for Work Accident Insurance Programs, Death Insurance Programs, Old Age Security Programs and Pension Guarantee Programs 13. Minister of Manpower Regulation No. 19 of 2015 concerning Procedures and Requirements for Payment of Old Age Security Benefits IV. Session 4 - Implementation of K3 in Indonesia 1. Regulation of the Minister of Manpower and Transmigration of the Republic of Indonesia. No Per.03/MEN/1978 concerning Appointment and Authority, as well as Obligations of Occupational Safety and Health Supervisory Employees and Occupational Safety Experts 2. Minister of Manpower Regulation No PER-02/MEN/1992 concerning Procedures for Appointing, Obligations and Authorities of Occupational Safety and Health Experts 3. Kep-Directorate General of Manpower and K3 Development Development No. Kep 69/PPK&K3/XII/2015 concerning Guidelines for Developing Candidates for General Occupational Safety and Health (K3) Experts 4. Regulation of the Minister of Manpower, Transcopy Number: PER.01/MEN1976 concerning the Obligation of Hyperhealth Training for Company Doctors 5. Minister of Manpower and Transmigration Regulation No.Per.01/MEN/1979 concerning Obligations for Company Hygiene Training, Occupational Health and Safety for Company Medical Personnel 6. Minister of Manpower Regulation No. 28 of 2015 concerning Procedures for Appointing and Dismissing Advisory Doctors 7. Minister of Manpower Regulation No PER-04/MEN/1987 concerning the Occupational Safety and Health Advisory Committee and Procedures for Appointing Occupational Safety Experts 8. Minister of Manpower Regulation No. 18 of 2016 concerning the Occupational Safety and Health Council 9. Minister of Manpower Regulation No.PER.04/MEN/1995 concerning Occupational Safety and Health Services Companies

	10. Minister of Administrative and Bureaucratic Regulation No. 13 and 47 of 2013 concerning Functional Positions of Occupational Health Advisors 11. Minister of Manpower Regulation 05 of 2018 concerning K3 Work Environment V. Sessions 5-7 – Occupational Health Standards 1. PP 50 of 2012 concerning SMK3 2. PP 88 of 2019 concerning Occupational Health 3. Minister of Manpower Regulation 05 of 2018 concerning K3 Work Environment 4. Minister of Health Regulation 70 of 2016 concerning Health Standards and Requirements for Industrial Work Environments 5. Minister of Health Regulation 48 of 2016 concerning Office K3 6. Decree of the Director General of Mineral and Coal, Ministry of Energy and Mineral Resources No. 185 of 2019 concerning Technical Guidelines for the Implementation of Mining Safety and Implementation, Assessment and Reporting of Mineral and Coal Mining Safety Management Systems 7. Minister of Manpower and Transmigration Regulation No. PER.08/MEN/VII/2010 concerning Personal Protective Equipment 8. Minister of Manpower and Transmigration Regulation No. Per.02/MEN/1980 concerning Health Examination of Workers in Implementing Work Safety 9. Dirjenbinawasnaker Decree No Kep.22/DJPPK/V/2008 concerning Technical Instructions for the Implementation of Occupational Health Services 10. Decree of the Director General for the Development of Labor Relations and Protection of Workers No. Kept 40 of 1980 concerning Determination of Forms as intended by Article 7 Paragraph (3) of the Minister of Manpower and Transmigration Regulation No. Per.02/Men/1980 11. Minister of Manpower and Transmigration Regulation No.: Per.03/MEN/1982 concerning Worker Health Services 12. Permanaker 10 of 2016 concerning Procedures for Providing Return to Work Programs as well as Promotional Activities and Preventive Activities for Work Accidents and Occupational Diseases 13. Minister of Health Regulation 52 of 2018 concerning Occupational Safety and Health in Health Service Facilities 14. Minister of Health Regulation 66 of 2016 concerning Occupational Safety and Health in Hospitals 15. Minister of Health Regulation 45 of 2014 concerning Health Surveillance 16. Minister of Health Regulation No. 15 of 2013 concerning Procedures for Providing Special Facilities for Breastfeeding and/or Expressing Breast Milk

	17. Minister of Manpower and Transmigration Decree No. 224 of 2003 concerning the Obligations of Entrepreneurs Who Employ Female Workers/Labourers between 23.00 and 07.00 18. Minister of Manpower and Transmigration Regulation No PER.11/MEN/VI/2005 concerning Prevention and Management of Abuse and Illegal Trafficking in Narcotics, Psychotropics and Other Additive Substances in the Workplace 19. PMK 27 of 2017 concerning Guidelines for Infection Prevention and Control in Health Service Facilities 20. KMK 413 of 2020 concerning Guidelines for the Prevention and Control of Coronavirus Disease 2019 (Covid-19) 21. KMK 328 of 2020 concerning Guidelines for Preventing Control of Covid-19 in Offices and Industry 22. Minister of Manpower and Transmigration Decree No. KEP.68/MEN/IV/2004 concerning Prevention and Control of HIV/AIDS in the Workplace 23. Kepdirjenbinawasnaker 20 of 2005 concerning Technical Guidelines for Implementing HIV/AIDS Prevention and Control in the Workplace 24. Dirjenbinawasnaker Decree No Kep.44/PPK/VIII/2012 concerning Guidelines for Giving Awards for HIV and AIDS Prevention and Control Programs in the Workplace 25. KMK 1057 of 2015 concerning Guidelines for Voluntary Counseling and Testing Services for HIV/AIDS 26. Minister of Manpower Regulation 15 of 2008 concerning First Aid for Accidents at Work VI. Session 9 – Occupational Diseases 1. PP 7 of 2019 concerning Occupational Diseases 2. Minister of Health Regulation No. 56 of 2016 concerning the Implementation of Occupational Disease Services 3. Minister of Manpower and Transmigration Regulation No. PER.25/MEN/XII/2008 concerning Guidelines for Diagnosis and Assessment of Disabilities Due to Accidents and Occupational Diseases 4. Minister of Manpower and Transmigration Decree No. 609 of 2012 concerning Guidelines for Settlement of Work Accident and Occupational Disease Cases 5. Minister of Health Decree 327 of 2020 concerning Determining Occupational Corona Virus Disease 2019 (Covid- 19) as an Occupational Disease Specific to Certain Occupations

	VII. Session 10 – Procedures for reporting and examining work accidents 1. Regulation of the Minister of Manpower of the Republic of Indonesia.. No. Per.03/MEN/1998 concerning Procedures for Reporting and Inspecting Accidents 2. Decree of the Director General of Industrial Relations Development and Labor Inspection, Ministry of Manpower of the Republic of Indonesia. No. : Kep 84/BW/1998 Concerning How to Fill in the Accident Statistical Analysis and Report Form 3. Minister of Manpower and Transmigration Regulation No. :Per.01/MEN/1981 concerning the Obligation to Report Occupational Diseases 4. Minister of Health Decree 327 of 2020 concerning the Determination of Occupational Corona Virus Disease 2019 (Covid-19) as an Occupational Disease Specific to Certain Occupations E. Decree of the Director General of Mineral and Coal of the Ministry of Energy and Mineral Resources No 185 of 2019 concerning Technical Instructions for the Implementation of Mining Safety and the Implementation, Assessment and Reporting of Management Systems Mineral and Coal Mining Safety VIII. Sesi 11 – K3 Konstruksi 1. Minister of Manpower Regulation No. Per.01/Men/1980 concerning K3 in building construction 2. Joint decision of Minister of Manpower No. Kep 174/Men/1986 and MenPU No. Kep 104/Men/1986 concerning K3 in building construction activities 3. Minister of Public Works Regulation No. 05/PRT/M/2014 concerning Guidelines for Occupational Safety and Health Management Systems (SMK3) for Construction in the Public Works Sector 4. Minister of Public Works and Public Relations Circular No. 66/SE/M/2015 concerning Costs of Implementing an Occupational Safety and Health Management System (SMK3) for Construction in the Public Works Sector 5. DJPPK SK No. Kep. 45/DJPPK/IX/2008 concerning Guidelines for Occupational Safety and Health Working at Height using Rope Access IX. Sesi 12 – K3 Kimia 1. PP No. 7 of 1973 concerning Supervision of the Distribution, Storage and Use of Pesticides.

	2. Joint Decree of the Minister of Health and the Minister of Agriculture No 881/MENKES/SKB/VII/1996 Jo 711/KPTS/TP.1996 concerning Maximum Limits for Pesticide Residues in Agricultural Products 3. Minister of Manpower Decree No. KEP 187/MEN/1999 concerning Control of Dangerous Chemical Hazards in the Workplace 4. Ministerial Decree No 87/M-IND/PER/9/2009 concerning the Global Harmonized System of Classification and Labeling of Chemicals 5. Director General IAK No. 21/IAK/PER/4/2010 concerning Technical Instructions for Implementing the Globally Harmonized System of Classification and Labeling for Chemicals 6. Minister of Industry Regulation No. 23/M-IND/PER/4/2013 concerning Amendments to Minister of Industry Regulation No. 87/M-IND/PER/9/2009 concerning Globally Harmonized System of Classification and Labeling of Chemicals 7. Director General of BIM Regulation No. 04/BIM/PER/1/2014 concerning Technical Instructions and Supervision Instructions for the Implementation of the Globally Harmonized System of Classification and Labeling of Chemicals 8. Regulation of the Minister of Manpower of the Republic of Indonesia No.: Per.03/MEN/1985 concerning Occupational Safety and Health Using Asbestos X. Sesi 13 - K3 radiation 1. PP No. 33 of 2007 concerning Safety of Ionizing Radiation and Security of Radioactive Sources 2. Presidential Regulation No. 29 of 2008 concerning Licensing for the Use of Ionizing Radiation Sources and Nuclear Materials. 3. Presidential Regulation No. 58 of 2015 concerning Radiation Safety and Security in Transporting Radioactive Substances. 4. Bapeten Ka Regulation No. 6 of 2009 concerning Radiation Safety in the Use of Radioactive Substances and X-Ray Aircraft for Gauging Equipment. 5. Bapeten Ka Regulation No. 7 of 2009 concerning Radiation Safety in Industrial Radiography Equipment. 6. Bapeten Regulation No. 8 of 2011 concerning Radiation Safety in the Use of Diagnostic and Interventional Radiology X-rays. 7. Bapeten Ka Perka No. 17 of 2012 concerning Radiation Safety in Nuclear Medicine.

	8. Bapeten Ka Regulation No. 3 of 2013 concerning Radiation Safety in the Use of Radiotherapy. 9. Bapeten Regulation No. 16 of 2013 concerning Radiation Safety in Storing Technologically Enhanced Naturally Occurring Radioactive Material. 10. Bapeten Regional Regulation No. 4 of 2013 concerning Radiation Protection and Safety in the Use of Nuclear Energy. 11. Bapeten Ka Perka No. 15 of 2014 concerning Radiation Safety in the Production of Diagnostic and Interventional Radiology X-ray Aircraft. 12. Bapeten Perka No. 16 of 2014 concerning Work Permits for Certain Officers Who Work in Installations that Utilize Pengio Radiation Sources 13. Bapeten Ka Perka No. 6 of 2015 concerning Source Security XI. Session 14 - K3 oil and gas-minerba sector 1. UU no. 22 of 2001 concerning Oil and Natural Gas 2. PP No. 11 of 1979 concerning Work Safety in Oil and Gas Refining and Processing 3. Ministry of Agriculture Decree No. 300.K/38/M.OE/1997 concerning Work Safety of Oil and Gas Distribution Pipes 4. Minister of Manpower and Transmigration Decree No. 234 of 2003 concerning Working and Rest Time in the Energy and Mineral Resources Business Sector in Certain Regions 5. Law No. 4 of 2009 concerning Mineral and Coal Mining 6. PP No 55 of 2010 concerning Development and Supervision of Mineral and Coal Mining Business Management 7. Minister of Manpower and Transmigration Decree No. 234 of 2003 concerning Working and Rest Time in the Energy and Mineral Resources Business Sector in Certain Regions 8. Minister of Energy and Mineral Resources Regulation No 26 of 2018 concerning Implementation of Good Mining Principles and Supervision of Mineral and Coal Mining 9. ESDM Ministerial Decree No. 1827 of 2018 concerning Guidelines for Implementing Good Mining Engineering Principles
	10. Decree of the Director General of Mineral and Coal, Ministry of Energy and Mineral Resources No. 185 of 2019 concerning Technical Guidelines for the Implementation of Mining Safety and Implementation, Assessment and Reporting of Mineral and Coal Mining Safety Management Systems XII. Session 15 - K3 health service sector 1. Minister of Health Regulation No. 66 of 2016 concerning Occupational Safety and Health in Hospitals 2. KMK No. 1758/Menkes/SK/XII/2003 concerning Basic Occupational Health Service Standards 3. KMK No. 038/Menkes/SK/I/2007 concerning Guidelines for Occupational Health Services at Regional Health Centers/Industrial Centers 4. Minister of Health Regulation No. 100 of 2015 concerning Integrated Occupational Health Business Posts 5. Minister of Health Regulation 52 of 2018 concerning Occupational Safety and Health in Health ServiceFacilities

Module designation	Industrial Processes
Code course	KES 4022
Semester(s) in which the module is taught	5
Person responsible for the module	Siti Rahmah Hidayatullah Lubis, MKKK
Language	Indonesian
Relation to curriculum	Elective course
Teaching methods	Discovery learning, discussion based learning, structured activities
Workload (incl. contact hours, self- study hours)	• Lecture (class): (2 x 50 min x 14 wks) / 60 min = 23.33 h • Structured activities and Self study: (2 x 48 min x 16 wks) / 60 min * 2 times = 51,20 h • Exam: (2 x 50 min) x 2 times / 60 min = 3.33 h • Total = 77,86 hours
Credit points	2 Credit Hours ≈ 2.60 ECTS
Required and recommended prerequisites for joining the Module	Fundamental of Occupaional Health and Safety
Module objectives/intended learning outcomes	1. Students are able to understand the basic concepts of industrial processes 2. Students are able to assess sources of danger and risks at the stages of industrial processes in the Oil and Gas (MIGAS) sector 3. Students are able to assess sources of danger and risks at the stages of industrial processes in the field of iron and steel processing 4. Students are able to assess sources of danger and risks at the stages of industrial processes in the printing sector 5. Students are able to assess sources of danger and risks at industrial process stages in the Engineering Processing Sector (Power Plants) 6. Students are able to assess sources of danger and risks at industrial process stages in the Construction Processing Sector 7. Students are able to assess sources of danger and risks at industrial process stages in the Textile Processing Sector 8. Students are able to assess sources of danger and risks at the stages of industrial processes in the Mining Processing Sector 9. Students are able to assess sources of danger and risks at industrial process stages in the Food and Beverage Processing Sector 10. Students are able to assess sources of danger and risks at industrial process stages in the cement processing sector 11. Students are able to assess sources of danger and risks at the stages of industrial processes in the wood processing sector 12. Students are able to assess sources of danger and risk at the stages of industrial processes in the automotive processing sector 13. Students are able to assess sources of danger and risks at industrial process stages in the Paper Processing Sector
Content	This course will explain the sources and hazards of various industrial processes that arise from raw materials, tools, processes, products, by- products (by-products) and waste.
Examination forms	Written examination
Study and examination requirements	1. Minimum lecture attendance of 80% 2. Completed structured academic assignment 3. Not commit acts of fraud such as cheating or other acts of fraud

Reading list	1. Burgess, W. A. (1995) Recognition Of Health Hazards in Industry A Review of Materials and Processes. 2. Gunawan, D. F. A. et al. (2016) Operations Safety Management Building Operations Excellence in the Process Industry. Jakarta: PT. Gramedia Pustaka Utama. 3. Institutes, G. and Research Group (2007) Occupational safety and Health Simplified for the Construction Industry. Maryland: THE SCARECROW PRESS, INC. 4. Singh, R. (2006) Introduction to Basic Manufacturing Process and Workshop Technology. New Age International (P) Limited.

Module designation	Applied Ergonomics
Code course	KES 6502
Semester(s) in which the module is taught	5
Person responsible for the module	Siti Rahmah H. Lubis, M.KKK
Language	Indonesian
Relation to curriculum	Compulsory course
Teaching methods	Dscovery learning, discussions based learning, structured activities
Workload (incl. contact hours, self- study hours)	• Lecture (class): (3 x 50 min x 14 wks) / 60 min = 35 h • Structured activities and Self study: (3 x 55 min x 16 wks) / 60 min * 2 times = 88 h • Exam: (3 x 50 min) x 2 times / 60 min = 5 h • Total = 128 hours
Credit points	3 Credit Hours ≈ 4,27 ECTS
Required and recommended prerequisites for joining the module	Fundamental of Occupaional Health and Safety
Module objectives/intended learning outcomes	1. Able to understand Ergonomics Concepts 2. Able to understand work physiology 3. Able to carry out anthropometric measurements of the human body 4. Able to measure the application of work biomechanics (hazards of manual material handling) 5. Able to evaluate work stations and work equipment for various positions 6. Able to understand the dangers of ergonomics in the work environment 7. Able to understand Musculoskeletal Disorders (MSDs) 8. Able to measure the impact of Macroergonomics 9. Able to measure ergonomic risk factors using subjective and objective tools 10. Able to understand the application of displays and controls 11. Able to evaluate the implementation of ergonomic programs in the Manufacturing Industry 12. Able to evaluate the implementation of ergonomic programs in the Construction Industry 13. Able to evaluate the implementation of ergonomic programs in the Mining Industry
Content	This course discusses the history of ergonomic development. Human capabilities and limitations (human capabilities and limitations), human- machine system approach. Anthropometric measurements, work biomechanics concepts in manual material handling activities, work design, ergonomic concepts in the work environment, as well as carrying out ergonomic risk measurements using subjective and objective tools, as well as discussing how to implement ergonomic programs in several industries.
Examination forms	Written examination
Study and examination requirements	1. Minimum lecture attendance of 80% 2. Completed structured academic assignment 3. Not commit acts of fraud such as cheating or other acts of fraud

Reading list	1. Bridger, R. S. (1995) Introduction to Ergonomics, Introduction to Ergonomics. doi: 10.4324/9780203426135. 2. Helander, M. (2006) A Guide to Human Factors and Ergonomics. 2nd edn, Ergonomics. 2nd edn. Taylor & Francis. doi: 10.1080/00140130701680379. 3. Kohn, J. P. (2007) Fundamentals of occupational safety and health. 4th ed. United States of America: Government Institutes An imprint of The Scarecrow Press, Inc. doi: 10.1016/b978-0-08-010994- 7.50030-2. 4. PERMENAKER (2018) 'Regulation of the Minister of Manpower of the Republic of Indonesia No. 5 of 2018 concerning Occupational Safety and Health in the Work Environment', Journal of Education, Technology and VocationalA ffairs doi: http://dx.doi.org/10.1016/j.fuel.2013.09.033. 5. Permenakertrans (2018) 'Regulation of the Minister of Manpower of the Republic of Indonesia number 5 of 2018', Journal of Education, Technology and Vocational Affairs. doi: http://dx.doi.org/10.1016/j.fuel.2013.09.033. 6. Pheasant, S. and Haslegrave, C. (2015) Bodyspace Antrhopometry, Ergonomics and The Design Of Work. 3rd edn, 3 ثبثبث. rd edn. Taylor & Francis. 7. Stanton, N. and Young, M. S. (2003) A Guide To Methodology in Ergonomics. Taylor & Francis. 8. Sugiono, Putro, W. W. and Sari, S. I. K. (2018) Ergonomics for Beginners Basic Principles and Applications. Pe Mold. Malang: UB Press. 9. Syafei, Yani, Prof. Dr, I. H. M., Sumerli, Chevy Herli, D. I. H. and Susilowati, Etty, H. (2018) Ergonomics Concepts in Product Design Concepts & Methods. Bandung: Alfabeta CV. 10. Tarwaka and Bakri, S. H. A. (2004) Ergonomics for Occupational Safety, Health and Productivity. Surakarta: UNIBA Press. Available at: http://shadibakri.uniba.ac.id/wp-content/uploads/2016/03/Buku-Ergonomi.pdf.

Module designation	Industrial Toxicology
Code course	KES 6506
Semester(s) in which the module is taught	5
Person responsible for the module	Dr. Iting Shofwati, M.KKK
Language	Indonesian
Relation to curriculum	Elective course
Teaching methods	Discovery learning, presentation in plenary class
Workload (incl. contact hours, self-study hours)	• Lecture (class): (2 x 50 min x 14 wks) / 60 min = 23.33 h • Structured activities and Self study: (2 x 48 min x 16 wks) / 60 min * 2 times = 51,20 h • Exam: (2 x 50 min) x 2 times / 60 min = 3.33 h • Total = 77,86 hours
Credit points	2 Credit Hours ≈ 2.60 ECTS
Required and recommended prerequisites for joining the module	-
Module objectives/intended learning outcomes	1. Able to explain the meaning of industrial toxicology, toxins, xenobiotics, toxicity, dosage, poisoning/intoxification, LD50, LC50, EC50 and ED50. 2. Able to explain the history of the development of industrial toxicology, the fields of toxicology and future prospects 3. Able to explain the absorption, distribution, biotransformation and excretion of chemicals in the human body 4. Able to explain the classification of toxic substances based on toxicity, physiological effects, target organs, physical form and biotic-abiotic properties 5. Able to explain the factors that can influence the level of poisoning including physical, chemical factors, dosage, individual characteristics, exposure, interactions between physical factors and chemical factors and chemical interactions 6. Able to explain idiosyncratic and allergic effects, tolerance effects, local and systemic effects, reversible and irreversible effects as well as immediate and delayed effects 7. Able to explain the meaning, function of NAB, BEI and Quality Standards 8. Able to explain the meaning, exposure to pesticides in the workplace, types of pesticides and their dangers, examinations used to diagnose poisoning and prevention 9. Able to explain the use of metals, the effects that arise if metals enter the body, factors that influence metal toxicity, biological indicators to assess metal exposure, important metals in toxicology 10. Able to explain the meaning, physical, chemical properties, use, health effects and prevention of disorders due to organic solvents 11. Able to explain technical, administrative, personal controls, as well as understand emergency response 12. Able to search for literature related to toxicology 13. Able to select and understand scientific literature relevant to the assignment given; 14. Able to write an industrial toxicology paper according to the assignment given, taking into account scientific writing principles/Harvard way of writing using good Indonesian 15. Able to identify toxicological problems and provide advice regarding resolution and prevention in the workplace

Content	This course discusses the principles of toxicology, methods of measuring toxicity, target organs, the use of toxicological information for assessing safety levels,*dose response relationship* and the effect of chemical exposure on workers.
Examination forms	Written Examination
Study and examination requirements	1. Minimum lecture attendance of 80% 2. Completed structured academic assignment 3. Not commit acts of fraud such as cheating or other acts of fraud
Reading list	1. Siwiendrayanti, A., Paauthor, E. T., & Widowati, E. (2016). Textbook: Toxicology.*Cipta Prima Nusantara Publisher. Semarang*. 2. Humans, I. W. G. o. t. E. o. C. R. t., & Cancer, I. A. f. R. o. (2006). *Inorganic and organic lead compounds*: World Health Organization International Agency for Research on Cancer. 3. Front Matter. (2015). In G. F. N. A. F. Nordberg (Ed.), Handbook on the Toxicology of Metals (Fourth Edition) (pp. iii). San Diego: Academic Press. 4. Lestari, Fatma.Introduction to Toxicology. (2015) Teaching Materials; University of Indonesia 5. Lestari, Fatma. Biological Monitoring. (2015) Teaching Materials; University of Indonesia 6. Ramdhan, Doni Himat. (2015). Teaching Material: Absorption, Distribution and Elimination. University of Indonesia 7. L. Meily Kurniawidjaja, et al.; Basic Concepts of Industrial Toxicology. (2021). Ed 1; University of Indonesia

Module designation	Occupational Safety and Health Management System
Code course	KES 5223
Semester(s) in which the module is taught	5
Person responsible for the module	Siti Rahmah Hidayatullah Lubis, MKKK
Language	Indonesian
Relation to curriculum	Compulsory course
Teaching methods	Discovery learning, discussion based learning, structured activities
Workload (incl. contact hours, self- study hours)	• Lecture (class): (2 x 50 min x 14 wks) / 60 min = 23.33 h • Structured activities and Self study: (2 x 55 min x 16 wks) / 60 min * 2 times = 58,67 h • Exam: (2 x 50 min) x 2 times / 60 min = 3.33 h • Total = 85,33 hours
Credit points	2 Credit Hours ≈ 2.84 ECTS
Required and recommended prerequisites for joining the module	Fundamental of Occupaional Health and Safety
Module objectives/intended learning outcomes	1. Able to understand Introduction to SMK3 in general 2. Able to understand the SMK3 approach in the form of: PP RI No. 50 of 2012 and PMK no. 48 of 2016 3. Able to understand the SMK3 approach in the form of: ISO 45001: 2018 4. Able to understand the SMK3 approach in the form of: Safety Management Process 5. Able to understand Phase 1 Implementation Guidelines 6. Able to understand Stage 2 Implementation Guidelines 7. Able to understand Stage 3 Implementation Guidelines 8. Able to understand the SMK3 Implementation Assessment Guidelines 9. Able to assess the Implementation of SMK3 in the Oil & Gas Industry 10. Able to assess the Implementation of SMK3 in the Mining Industry 11. Able to assess the Implementation of SMK3 in the Construction Industry 12. Able to assess the Implementation of SMK3 in the Manufacturing Industry 13. Able to assess the Implementation of SMK3 in the Iron and Steel Industry
Content	This course discusses the meaning, function, scope of the occupational safety and health management system and its implementation in companies. Also discussed are the elements of Occupational Safety and Health Management System and the relationship between the elements and the program for each element as well as how to measure them.
Examination forms	Written examination
Study and examination requirements	1. Minimum lecture attendance of 80% 2. Completed structured academic assignment 3. Not commit acts of fraud such as cheating or other acts of fraud

Reading list	1. BSI (2007) 'OHSAS 18001 Occupational Health and Safety Management Systems', British Standards Institution. 2. Gunawan, D. F. A. et al. (2016) Operations Safety Management Building Operations Excellence in the Process Industry. Jakarta: PT. Gramedia Pustaka Utama. 3. ILO (2013) Occupational Safety and Health Means for Productivity, Clinics in Laboratory Medicine. doi: 10.1016/j.cll.2012.10.002. 4. PP RI No.50 (2012) 'Government Regulation of the Republic of Indonesia Number 50 of 2012 concerning the Implementation of an Occupational Safety and Health Management System', Implementation of the Keria Safety and Health Management System. 5. Ramli, S. (2010) 'Occupational Safety & Health Management System', Dian Rakyat, Jakarta. 6. Sahab, Syukri, D. (1997) Occupational Safety and Health Management Techniques. PT. Develop Human Resources.

Module designation	Vibration and Noise Management
Code course	KES 5011
Semester(s) in which the module is taught	5
Person responsible for the module	Dr. Iting Shofwati, ST.MKKK
Language	Indonesian
Relation to curriculum	Compulsory course
Teaching methods	Collaborative learning, discussion based learning, structured activities
Workload (incl. contact hours, self- study hours)	• Lecture (class): (2 x 50 min x 14 wks) / 60 min = 23.33 h • Structured activities and Self study: (2 x 55 min x 16 wks) / 60 min * 2 times = 58,67 h • Exam: (2 x 50 min) x 2 times / 60 min = 3.33 h • Total = 85,33 hours
Credit points	2 Credit Hours ≈ 2.84 ECTS
Required and recommended prerequisites for joining the Module	Fundamental of Occupaional Health and Safety
Module objectives/intended learning outcomes	1. Able to explain the basic concepts of noise 2. Able to explain the physiological responses and impacts of noise exposure 3. Able to explain the purpose, scope and benefits of implementing HLPP (Hearing Loss Prevention Program) 4. Able to analyze the noise exposure received by workers (dose) 5. Able to assess the effectiveness of technical controls for noise exposure 6. Able to explain the types, weaknesses and advantages, how to use and basic considerations for selecting APT 7. Able to assess effectiveness and design APT according to plan 8. Able to explain the strategy for carrying out audiometric examinations 9. Able to evaluate the results of audiometric examinations 10. Able to explain the basic concept of vibration 11. Able to describes physiological responses and methods of evaluating vibration exposure 12. Able to analyze the vibration exposure received by workers 13. Able to explain controlling exposure to vibration
Content	This course discusses the concepts of noise and vibration, physiological responses to exposure to noise and vibration, strategies for controlling noise and vibration hazards, evaluating the dose of noise and vibration exposure received by workers and recommendations for controlling noise and vibration hazards according to the exposure received by workers.
Examination forms	Written examination (multiple choice, essay, case study)
Study and examination requirements	1. Minimum lecture attendance of 80% 2. Completed structured academic assignment 3. Not commit acts of fraud such as cheating or other acts of fraud

Reading list	1. Barron, R. F. (2003). Industrial Noise Control and Acoustics. New York: Marcel Dekker, Inc. 2. Crocker, M. J. (Ed.). (2007). Handbook of noise and vibration control. New Jersey: John Wiley & Sons, Inc. 3. Maltby, M. (2005). Occupational Audiometry – Monitoring and protecting hearing at work. Burlington: Elsevier. 4. Rossing, T. D. (2007). Springer Handbook of Acoustics. New York: Springer Science+Business Media, LLC. 5. Sound Research Laboratories. (2004). Noise Control in Industry. London-New York-Tokyo-Melbourne-Madras: E. & F.N. Spon. 6. South, T. (2004). Managing Noise and Vibration at Work – A practical guide to assessment, measurement and control. Burlington: Elsevier Butterworth-Heinemann. 7. Ver, I. L., & Beranek, L. L. (2006). Noise and Vibration Control Engineering. New Jersey: John Wiley & Sons, Inc.

Module designation	Human Factor and Behavior Based Safety
Code course	KES 6558
Semester(s) in which the module is taught	5
Person responsible for the module	Siti Rahmah H. Lubis, M.KKK
Language	Indonesian
Relation to curriculum	Elective course
Teaching methods	Discovery learning, discussions based learning, structured activities
Workload (incl. contact hours, self- study hours)	• Lecture (class): (2 x 50 min x 14 wks) / 60 min = 23.33 h • Structured activities and Self study: (2 x 48 min x 16 wks) / 60 min * 2 times = 51,20 h • Exam: (2 x 50 min) x 2 times / 60 min = 3.33 h • Total = 77,86 hours
Credit points	2 Credit Hours ≈ 2.60 ECTS
Required and recommended prerequisites for joining the module	Fundamental of Occupaional Health and Safety
Module objectives/intended learning outcomes	1. Able to understand human factors. Students are able to explain various work accident theories 2. Able to understand the concept of Human Error 3. Able to understand the development and models of accident causes 4. Able to identify Human Error using the SHERPA Analysis technique 5. Able to identify Human Error using HFACS Analysis techniques 6. Able to assess the work safety culture and climate 7. Able to explain BBS and ABC models 8. Able to understand the stages of BBS Preparation 9. Able to understand the stages of observation to continuous improvement of BBS 10. Able to assess examples of BBS programs 11. Able to assess the implementation of BBS in the Mining Industry 12. Able to assess the implementation of BBS in the Construction Industry 13. Able to assess the implementation of BBS in the Manufacturing Industry
Content	This course discusses proactive prevention efforts that focus on dangerous behavior that has the potential to cause accidents. The discussion includes the causes of accidents, safety psychology, basic philosophy in behavior-based safety (BBS), definition and assessment of critical behavior, intervention methods and evaluation of BBS.
Examination forms	Written examination
Study and examination requirements	1. Minimum lecture attendance of 80% 2. Completed structured academic assignment 3. Not commit acts of fraud such as cheating or other acts of fraud

Reading list	1. Clarke, S. and Cooper, C. L. (2003) Managing the risk of workplace stress: Health and safety hazards, Managing the Risk of Workplace Stress: Health and Safety Hazards. doi: 10.4324/9780203644362. 2. Glendon, A. I., Clarke, S. G. and Mckenna, E. F. (2006) Human Safety and Risk Management. 2nd Editio, Journal of Chemical Information and Modeling. 2nd Editio. Taylor & Francid. doi: 10.1017/CBO9781107415324.004. 3. Gunawan, D. F. A. and Waluyo, D. (2015) Risk Based Behavioral Safety. Jakarta: PT. GraPlatform Main Library. 4. Simpson, G., Horberry, T. and Joy, J. (2009) Understanding Human Error in Mine Safety, Misadventures in Health Care: Inside Stories. UK: MPG Group Books. doi: 10.4324/9781410609038-8. 5. Stanton, N. and Young, M. S. (2003) A Guide To Methodology in Ergonomics. Taylor & Francis. 6. Syafei, Yani, Prof. Dr, I. H. M., Sumerli, Chevy Herli, D. I. H. and Susilowati, Etty, H. (2018) Ergonomics Concepts in Product Design Concepts & Methods. Bandung: Alfabeta CV. 7. Wiegmann, D.A. and Shappell, S. A. (2003) 'a Human Error Approach To Aviation Accident Analysis, The Human Factor Analysis and Clasification System', p. 161.

SEMESTER VI

Module designation	Disaster Management
Code course	KES 4328
Semester(s) in which the module is taught	6
Person responsible for the module	Dewi Utami Iriani, MKes, PhD
Language	Indonesian
Relation to curriculum	Compulsory course
Teaching methods	Collaborative learning, discussion based learning
Workload (incl. contact hours, self-study hours)	• Lecture (class): (1 x 50 min x 14 wks) / 60 min = 11,67 h • Structured activities and Self study: (1 x 57 min x 16 wks) / 60 min * 2 times = 30,40 h • Exam: (1 x 50 min) x 2 times / 60 min = 1.67 h • Total = 43,74 hours
Credit points	1 Credit Hours ≈ 1.46 ECTS
Required and recommended prerequisites for joining the module	-
Module objectives/intended learning outcomes	1. Able to explain mitigation activities and operational response plans floods/fires/earthquakes/mountain eruptions according to the tasks given. 2. Able to explain the disaster hazard mitigation plan 3. Able to explain the stages of disaster preparedness 4. Able to explain contingency plans in disaster areas 5. Able to explain the role of health services in disasters 6. Able to explain surveillance in disaster management 7. Able to explain the emergency response rapid assessment plan and instruments 8. Able to explain the arrangement of refugee locations by paying attention to the principles of hygiene, sanitation and vector control 9. Able to explain the need for clean water, food and other basic needs for disaster victims and plans for their procurement and distribution 10. Able to explain the management and logistics information system for disaster victims 11. Able to explain the types of leadership in disasters 12. Able to explain the collaboration of Health workers in disasters 13. Able to explain community resilience in disasters 14. Able to Demonstrate compliance with disaster management regulations and campus regulations in completing course assignments.

Content	In this course, students understand disaster theory, disaster risk assessment, reduction, disaster vulnerability, disaster stages starting from pre-disaster, disaster and post-disaster, assessment of temporary shelter locations, fulfillment of basic needs (WASH, health care, health services and information systems). Apart from that, students also understand surveillance and rapid assessment in disaster situations, leadership and cross-sectoral collaboration, the role of Health officers and Interprofessional collaboration, and community resilience.
Examination forms	Multiple choice written exam
Study and examination requirements	1. Minimum lecture attendance of 80% 2. Completed structured academic assignment 3. Not commit acts of fraud such as cheating or other acts of fraud
Reading List	1. https://bnpb.go.id./ 2. Republic of Indonesia State Secretariat. (2007). Law of the Republic of Indonesia no. 24 of 2007 concerning Disaster Management 3. Republic of Indonesia State Secretariat. (2008). Republic of Indonesia Government Regulation No. 21 of 2008 concerning the Implementation of Disaster Management. 4. National Disaster Management Agency. (2011). Guide to Contingency Planning for Facing Disasters (II edition). Jakarta: BNPB 5. Wisner, B. & Adams, J. (Eds). (2002). Enviromental Health in Emergencies and Disasters: A Practical Guide. Geneva: WHO 6. Hanquet, G. (Ed). Refugee Health An Approach to Emergency Situations. Medesins Sans Fronties 7. Landesman, YL. (2006). Public Health Management of Disasters: The Pocket Guide. Washington, DC: American Public Health Association 8. American Health, Organization. (2000) Natural Disasters; Protecting the Public's Health. Washington, DC: PAHO 9. Connoly, M.A. (2005). Communicable Disease Control in Emergencies A Field Manual. Dublin: WHO 10. BNPB. (2008). Regulation of the Head of the National Disaster Management Agency No 7/2008: Guidelines for Procedures for Providing Assistance to Fulfill Basic Needs 7 11. Oxfarm International 2008. Sheltering People after Disaster: Lessons from Tsunami. Humanitarian Field Studies. 12. Paton, D and Johnston, DM. 2006. Disaster Resilience. An Integrated Approach. Charles C Thomas Publisher. USA

Module designation	Disaster Management Practicum
Code course	KES 4329
Semester(s) in which the module is taught	6
Person responsible for the module	Dewi Utami Iriani, MKes, PhD
Language	Indonesian
Relation to curriculum	Compulsory course
Teaching methods	Project based learning
Workload (incl. contact hours, self-study hours)	• Practicum: (1 x 170 min x 14 wks) / 60 min = 39,67 h • Structured activities and Self study: (1 x 56 min x 16 wks) / 60 min * 2 times = 29,87 h • Exam: (1 x 170 min) x 2 times / 60 min = 5.67 h • Total = 75,21 hours
Credit points	1 Credit Hours ≈ 2,51 ECTS
Requiredand recom mended prerequisites for joining the module	-
Module objectives/intended learning outcomes	1. Able to analyze the situation of community vulnerability, hazard index, disability, socio- economic and health facilities 2. Able to design temporary shelters 3. Able to plan the provision of clean water and temporary shelter 4. Able to plan the implementation of health services in disaster areas 5. Able to plan preparation activities for emergency response operational plans 6. Able to plan logistical preparation activities 7. Able to plan information systems in disaster areas 8. Able to plan activities for collecting data and information related to disasters 9. Able to plan the dissemination of disaster information resulting from data collection activities 10. Students are able to plan emergency response simulations at schools, Islamic boarding schools, campuses, home environments (RT) (according to group assignments)
Content	This course learns how to identify disaster vulnerabilities and dangers, create disaster mapping, disaster risk in each area, develop activity plans to form community readiness to face disasters, make recommendations for disaster mitigation, disaster response emergency organization plans, disaster evacuation shelter management plans, plans health surveillance, plans for controlling infectious diseases, plans for creating a disaster management information system, plans for preparing logistics and basic needs of refugees, disaster health services.
Examination forms	Oral test
Study and examination requirements	1. Minimum lecture attendance of 80% 2. Completed structured academic assignment 3. Not commit acts of fraud such as cheating or other acts of fraud
Reading list	1. WHO, UNHCR, ISDR. 1992. Environmental Health I Emergencies and Disasters. Wisner & Adams (edited) 2. Cutter, S.L, Burton, C.G., Emrich C.T. 2010. Disaster Resilience Indicators for Benchmarking Baseline Conditions. Journal of Homeland Security and Emergency Management. Volume 7 Issue 1 3. Defining Disaster Resilience: A DFID Approach Paper. UK Aid 4. Disaster Management Management Module Flood Disaster Management Training. 2017. Center for Water Resources and

	Construction Education and Training. PUPR. 5. The Sphere Handbook.2018. Humanitarian Charter and Minimum Standards in Humanitarian Response

Module designation	Islamic Public Health Practicum
Code course	KES 4327
Semester(s) in which the module is taught	6
Person responsible for the module	Dr. M. Farid Hamzens, M.Si
Language	Indonesian
Relation to curriculum	Compulsory course
Teaching methods	Collaborative learning, discussion based learning, structured activities
Workload (incl. contact hours, self-study hours)	• Practicum: (1 x 170 min x 14 wks) / 60 min = 39,67 h • Structured activities and Self study: (1 x 56 min x 16 wks) / 60 min * 2 times = 29,87 h • Exam: (1 x 170 min) x 2 times / 60 min = 5.67 h • Total = 75,21 hours
Credit points	1 Credit Hours ≈ 2,51 ECTS
Required and recommended prerequisites for joining the module	-
Module objectives/intended learning outcomes	Students are able to formulate a theoretical framework and conceptual framework for research on the integration of Public Health Sciences in general and/or within the scope of the Public Health Sciences specialization with Islamic Sciences based on the ontology and epistemology of science.
Content	This course discusses the theoretical framework and conceptual framework for research on the integration of Public Health Sciences in general and/or within the scope of the Public Health Sciences specialization with Islamic Sciences based on the ontology and epistemology of science.
Examination forms	Written examination
Study and examination requirements	1. Minimum lecture attendance of 80% 2. Completed structured academic assignment 3. Not commit acts of fraud such as cheating or other acts of fraud
Reading list	1. Public Health Textbooks and Public Health Journals 2. Kitab Tafsir 3. Kitab Fiqh 4. Classical Islamic and Health Books (Ar-Razi, Ibn Sina, etc.) and Modern. 5. Books and/or journals that are relevant to the chosen topic

Module designation	Field Learning Experience 2
Code course	KES 5027
Semester(s) in which the module is taught	6
Person responsible for the module	Dela Aristi, M.K.M
Language	Indonesian
Relation to curriculum	Compulsory course
Teaching methods	Project-based learning
Workload (incl. contact hours, self-study hours)	Structured activities and Self study: (3 x 150 min x 22 wks) / 60 min = 165 h
Credit points	3 Credit Hours ≈ 5,50 ECTS
Required and recommended prerequisites for joining the module	Field Learning Experience 1
Module objectives/intended learning outcomes	General Employability Skills: 1. Able to apply logical, critical, systematic, and innovative thinking incontext Development or Implementation of science and technology that Pay attention to and apply humanities values in accordance with the field Expertise. 2. Able to show performance, independent, quality and measurable. 3. Able to make decisions appropriately in the context of problem solving in his field of expertise based on the results of information and data analysis. 4. Able to maintain and develop networks and develop network with the person in charge, colleagues, peers both within and within outside the institution. 5. Able to be responsible for the achievement of group work. 6. Able to carry out the process of self-evaluation of the working group located under his responsibility and able to manage independent learning. 7. Able to document, store, secure and locate Return data to ensure validity and prevent plagiarism. Specific Employability Skills: 1. Able to apply the assessment and analysis of the situation in the field of health at the level of Primary Health Care Activities with an Interdisciplinary Approach. 2. Able to implement effective communication by paying attention to Islamic values. 3. Able to implement the kesmas program by taking into account Islamic values and local culture. 4. Able to carry out community empowerment in promotional activities and preventive by paying attention to Islamic values. 5. Able to apply financial management principles by paying attention to values Islam (not usury, honest in reporting, not marked). 6. Able to apply leadership values and systems thinking in the field Kesmas with an interdisciplinary approach by paying attention to Islamic values. Graduate Learning Outcomes: Knowledge 1. Have basic knowledge as a tool for analyzing behavioral situations community, nutritional status, environmental health, K3 and health services. 2. Have knowledge of effective communication (knowledge of communicators (language), message (science of substance of public health), communicant (psychology, education, anthropology, sociology, media and Islamic principles in Communicate.

	3. Have knowledge of planning, implementation, implementation and evaluation of health programs by taking into account Islamic values and local culture. 4. Have knowledge about community behavior, local culture, organizing, developing and empowering communities in accordance with Islamic values. 5. Able to translate programs in the form of planning budgets, budget monitoring and evaluation. 6. Have knowledge of target needs assessment, needs analysis, development of objectives, objectives and media development (communication science, media evaluation). Graduate Learning Outcomes: Attitude 1. Fear God Almighty and able to show religious attitude 2. Uphold human values in carrying out duties based on Islam. 3. Contribute to improving the quality of life in society, nation, statehood, and the advancement of civilization based on Pancasila. 4. Acting as a proud citizen and love the motherland, having nationalism and a sense of responsibility to the state and nation. 5. Respect the diversity of cultures, views, religions, and beliefs, and the opinions or original findings of others. 6. Work together and have social sensitivity and concern for the community and the environment. 7. Obey the law and discipline in social and state life. 8. Internalize Islamic values in academic ethics. 9. Show an attitude of responsibility for work in their field of expertise independently. 10. Internalize the spirit of independence, struggle, and entrepreneurship.
Content	Field Learning Experience 2 course is one of the courses that aims to provide experience to students in intervening to solve public health problems based on evidence-based.
Examination forms	Create a report, Oral presentation and written examination
Study and examination requirements	1. Students participating in PBL must be present during the PBL implementation time (debriefing and practice in the community) at least 80% attendance, unless illness is proven with a doctor's certificate. 2. Students participating in PBL are prohibited from acting and behaving criminally, no ethical and immoral (including smoking in public places) that can Defame the alma mater and personal. 3. During the implementation of PBL in the community, students are prohibited from participating in activities with political parties, both for mass mobilization and political activities Other 4. Students are prohibited from leaving the PBL location without the permission of the Insurer Lecturer Answer. 5. Students participating in PBL must dress neatly, modestly and cover their aurat and wear shoes during debriefing lectures and during practice in the community. 6. Students are required to wear alma mater attributes when carrying out activities in community. 7. Students participating in PBL are required to do and carry out tasks on time according to a predetermined schedule.
Reading list	Field Learning Experience Guidlines

Module designation	Occupational Health Disease and Surveillance of Occupational Health Disease
Code course	KES 4334
Semester(s) in which the module is taught	6
Person responsible for the module	Siti Rahmah H. Lubis, SKM, M.KKK
Language	Indonesian
Relation to curriculum	Elective course
Teaching methods	Lectures, questions and answers, discussions, group assignments
Workload (incl. contact hours, self-study hours)	• Lecture (class): (3 x 50 min x 14 wks) / 60 min = 35 h • Structured activities and Self study: (3 x 48 min x 16 wks) / 60 min * 2 times = 76,80 h • Exam: (3 x 50 min) x 2 times / 60 min = 5 h • Total = 116,8 hours
Credit points	3 Credit Hours ≈ 3,89 ECTS
Required and recommended prerequisites for joining the module	-
Module objectives/intended learning outcomes	1. Able to explain work-related illnesses, Examination requirements 2. Able to examine occupational health disease on the eyes 3. Able to examining occupational Health Disease in ENT 4. Able to examining occupational health disease in skeletal muscle 5. Able to examining occupational health disease in neurology 6. Able to examine occupational health disease on the skin 7. Able to study occupational health disease on breathing 8. Able to examining occupational health disease in psychiatry 9. Able to review occupational health surveillance 10. Able to review the implementation of occupational health services 11. Able to evaluate case examples of occupational health surveillance programs
Content	This lecture discusses the determinants, prevention and rehabilitation factors related to work-related diseases based on Presidential Decree No. 22 of 1993 such as respiratory diseases, skin, hearing damage, viruses, back and joint symptoms, pesticides, vibrations, pesticides, neuropsychiatric, and introduction to PAK surveillance. The lecture focuses on 3 parts: 1) looking for scientific evidence related to occupational diseases; 2) policies related to occupational health and safety and compensation for work, 3) developing effective intervention programs to reduce occupational diseases and improve work-related health.
Examination forms	Multiple choice, essay, manuscript
Study and examination requirements	1. Minimum lecture attendance of 80% 2. Completed structured academic assignment 3. Not commit acts of fraud such as cheating or other acts of fraud
Reading list	1. Alli, B. O., & Benjamin, O. (2008). Fundamental Principles Of Occupational Health And Safety. In Choice Reviews Online (Vol. 39, Issue 07). ILO. https://doi.org/10.5860/choice.39-3997 2. Aw, T. C., Gardiner, K., & Harrington, J. M. (2007). Pocket consultant: OccupationalHealth. In Canadian Family Physician (5th ed.). 3. Guidotti, T. L. (2011). Global Occupational Health. In T. L. Guidotti (Ed.), Occupational Health Services: A Practical Approach. Oxford University Press. https://doi.org/10.4324/9780203095744-17 4. International Labor Organization. (2020). In Facing a Pandemic:

Ensuring Safety and Health in the Workplace. In Labor Administration, Labor Inspection and Occupational Safety and Health Branch (LABADMIN/OSH) Route (pp. 1–52) https://www.ilo.org/wcmsp5/groups/public/---asia/---ro bangkok/---ilo- jakarta/documents/publication/wcms_742959.pdf

5. Johansen, J. D., Lepoittevin, J.-P., & Frosch, P. J. (2019). Contact Dermatitis (J. D. Johansen, P. J. Frosch, & J.-P. Lepoittevin (eds.); 5th ed., Vol. 53, Issue 9). Springer Publishing Company.
6. Lubis, S. R. H. (2018). Ergonomic Risk Factor Analysis of Complaints Musculoskeletal Disorders (MSDs) in Bank Tellers. Journal of Public Health Sciences, 7(02), 63–73. https://doi.org/10.33221/jikm.v7i02.107
7. Minister of Health of the Republic of Indonesia. (2020). Decree of the Minister of Health of the Republic of Indonesia Number HK.01.07/Menkes/327/2020 concerning the Determination of Occupational Corona Virus Disease 2019 (COVID-19) as an Occupational Disease Specific to Certain Occupations (pp. 1–8).
8. OHSA. (2020). Guidance on Preparing Workplaces for COVID-19.
9. Ricci, G., Molini, E., Faralli, M., Calzolaro, L., & D'Ascanio, L. (2019). Occupational hearing loss. In Sensorineural Hearing Loss: Pathophysiology, Diagnosis, and Treatment (3rd Edition). Taylor & Francis. https://doi.org/10.5005/jp/books/12689_19
10. Schliemann, S., & Elsner, P. (2007). Skin Protection : Practical Applications in the Occupational Setting (S. Schliemann & P. Elsner (eds.); Vol. 01, Issue 01).
11. Waldron, H. ., & Edling, C. (2001). Occupational Health Practice.
12. World Health Organization. (1986). Early detection of occupational disease.
13. Yulius, I. T., & Lubis, R. H. (2018). Determinant Factors of Work Stress in Workers (ABK) of LNG Carriers at PT. X Year 2018. Environmental Occupational Health and Safety Journal, 1(2), 169–190.
14. Yulius, I. T., & Lubis, S. R. H. (2019). Description of the Implementation of the K3 Promotion Program at PT Pertamina Trans Kontinental Jakarta in 2018. JUMANTIK (Scientific Journal of Health Research), 4(1), 15. https://doi.org/10.30829/jumantik.v4i1.4035PMK No. 56 of 2016. Implementation of Occupational Disease Services
15. PP RI No. 7 of 2019. Occupational Diseases Permenakertrans no Per 25./Men/XII/2008. Guidelines for diagnosis and assessment of disabilities due to work accidents and PAK

Module designation	Biomonitoring Practicum
Code course	KES 4335
Semester(s) in which the module is taught	6
Person responsible for the module	Dr. Iting Shofwati, ST, MKKK, HIU
Language	Indonesian
Relation to curriculum	Elective course
Teaching methods	Collaborative learning, discussions based learning, structured activities
Workload (incl. contact hours, self-study hours)	• Lecture (class): (3 x 50 min x 14 wks) / 60 min = 35 h • Structured activities and Self study: (3 x 57 min x 16 wks) / 60 min * 2 times = 91,2 h • Exam: (3 x 50 min) x 2 times / 60 min = 5 h • Total = 131,2 hours
Credit points	3 Credit Hours ≈ 4,37 ECTS
Required and recommended prerequisites for joining the module	Fundamental of Occupational Health and Safety
Module objectives/intended learning outcomes	1. Able to identify various exposures that require biological monitoring in terms of various national and international regulations 2. Able to identify industries that have the potential to be exposed to certain chemical hazards that require biological monitoring 3. Able to determine the type of production for which monitoring will be designed biology by reviewing each existing process (Raw Material, Product and By Product) 4. Able to identify chemicals for which biological monitoring will be designed by reviewing each existing process (Raw Material, Product and By Product) 5. Able to trace the MSDS of all raw materials, products and by-products used in an industrial process 6. Able to classify chemical hazards based on Physical Hazard, Health Hazard and Environmental Hazard from all raw materials, products and by-products used in an industrial process 7. Able to identify and classify treatments and control of chemical and other hazards 8. Able to identify technical controls and PPE in an industrial process based on raw materials, products and by-products 9. Identify Biological Exposure Index Standards in an Industrial Process 10. Identifying Matrix, Sampling Strategy Methods in Biological Monitoring Have deep skills 11. Design a Biological Monitoring Program for an Industrial Process
Content	This course discusses biological monitoring programs due to exposure received in the workplace, including the concept of biomonitoring, blood and urine sampling strategies, introduction to potential exposure to chemical hazards, introduction to processes that require biological monitoring (BEI), BEI standards for various chemicals, control chemicalexposure and designing biological monitoring programs
Examination forms	Group presentation and submission of the final draft of the biological monitoring program
Study and examination requirements	1. Minimum lecture attendance of 80% 2. Completed structured academic assignment 3. Not commit acts of fraud such as cheating or other acts of fraud

Reading list	1. ACGIH. (2020). TLVs dan BEIs Based on the Documentation of the Threshold Limit Values for Chemical Substances and PhysicalAgents & Biological Exposure Indices. Cincinnati: 2. ACGIH. AIHA. (2004). AIHA Guideline 1 - Biological Monitoring A Practical Field Manual. United States of America: American Industrial Hygiene Association. 3. Angerer, J., & Weib, T. (Eds.). (2002). Biological Monitoring : Prospects in Occupational and Environmental Medicine Weinheim: Wiley-VCH Verlag GmbH & Co. KGaA. 4. Ashley, K., & O'Connor, P. F. (Eds.). (2020). NIOSH Manual of Analytical Methods (NMAM) (5th ed.): National Institute for Occupational Safety and Health. 5. Berlin, A., Yodaiken, R. E., & Henman, B. A. (Eds.). (1984). Assessment of Toxic Agents at the Workplace : Roles of Ambient and Biological Monitoring. Luxenbourg: Martinus Nijhoff Publishers. 6. GERMAN RESEARCH FOUNDATION. (2018). List of MAK and BAT Values 2018 - Maximum Concentrations and Biological Tolerance Values at the Workplace. Weinheim 7. WILEY-VCH Verlag GmbH & Co. KGaA. HSA. (2011). Biological Monitoring Guidelines. Dublin: Health and Safety Authority. 8. Ministry of Manpower. (2018). Minister of Manpower Regulation 05 of 2018 concerning Occupational Safety and Health in the Work Environment 9. Ministry of Manpower. (2018). Technical Guidelines for Implementing K3 in the Work Environment - Additional Explanation 10. Minister of Manpower Regulation 05 of 2018 concerning Occupational Safety and Health in the Work Environment 11. Indonesian Ministry of Health. (2016). Minister of Health Regulation No. 70 of 2016 concerning Standards and Requirements 12. Industrial Work Environment Health. Jakarta: Ministry of Health. 13. Knudsen, L. E., & Merlo, D. F. (Eds.). (2012a). Biomarkers and Human Biomonitoring - Volume : Ongoing Programs and Exposures. Cambridge: RSC Publishing. 14. Knudsen, L. E., & Merlo, D. F. (Eds.). (2012b). Biomarkers and Human Biomonitoring – Volume II : Selected Biomarkers of Current Interest. Cambridge: RSC Publishing. 15. National Research Council. (2006). Human Biomonitoring for Environmental Chemicals. Washington, DC: The NationalAcademic Press. 16. Subramanian, K. S., & Iyengar, G. V. (Eds.). (1997). Environmental Biomonitoring : Exposure Assessment and Specimen Banking. Washington DC: American Chemical Safety. 17. WHO. (1996a). Biological Monitoring of Chemical Exposure in the Workplace Guidelines (Vol.2). Geneva: World Health Organization. 18. WHO. (1996b). Biological Monitoring of Chemical Exposure in the Workplace 19. Guidelines (Vol. 1). Geneva: World Health Organization.

Module designation	Occupational Health and Safety Laboratory Practicum
Code course	KES 4362
Semester(s) in which the module is taught	6
Person responsible for the module	Dr. Iting Shofwati, ST, MKKK
Language	Indonesian
Relation to curriculum	Elective course
Teaching methods	Collaborative learning, discussions based learning, structured activities
Workload (incl. contact hours, self-study hours)	• Lecture (class): (3 x 50 min x 14 wks) / 60 min = 35 h • Structured activities and Self study: (3 x 57 min x 16 wks) / 60 min * 2 times = 91,2 h • Exam: (3 x 50 min) x 2 times / 60 min = 5 h • Total = 131,2 hours
Credit points	3 Credit Hours ≈ 4,37 ECTS
Required and recommended prerequisites for joining the module	Fundamental of Occupational Health and Safety & Theory Lab K3
Module objectives/intended learning outcomes	1. Able to understand the names and functions of various hazard measurement tools occupational health both at work and personally 2. Able to understand sampling strategies in measuring occupational health hazards both in the workplace and personally 3. Able to evaluate the results of occupational health hazard measurements obtained to determine whether the exposure received by workers is safe 4. Able to measure various occupational health hazards using appropriate tools and methods according to applicable standards
Content	This course discusses strategies for measuring various occupational health hazards in the workplace, interpreting measurement results in order to carry out Health Risk Assessments in the workplace so that they can prioritize hazards and control them to safe levels.
Examination forms	Practicum and oral
Study and examination requirements	1. Minimum lecture attendance of 80% 2. Completed structured academic assignment 3. Not commit acts of fraud such as cheating or other acts of fraud
Reading list	1. ACGIH. (2020). TLVs dan BEIs Based on the Documentation of the Threshold Limit Values for Chemical Substances and PhysicalAgents & Biological Exposure Indices. Cincinnati: 2. ACGIH. AIHA. (2004). AIHA Guideline 1 - Biological Monitoring A Practical Field Manual. United States of America: American Industrial Hygiene Association. 3. Angerer, J., & Weib, T. (Eds.). (2002). Biological Monitoring : Prospects in Occupational and Environmental Medicine Weinheim: Wiley-VCH Verlag GmbH & Co. KGaA. 4. Ashley, K., & O'Connor, P. F. (Eds.). (2020). NIOSH Manual of Analytical Methods (NMAM) (5th ed.): National Institute for Occupational Safety and Health. 5. Berlin, A., Yodaiken, R. E., & Henman, B. A. (Eds.). (1984). Assessment of Toxic Agents at the Workplace : Roles of Ambient and Biological Monitoring. Luxenbourg: Martinus Nijhoff Publishers. 6. GERMAN RESEARCH FOUNDATION. (2018). List of MAK and BAT Values 2018 - Maximum Concentrations and Biological Tolerance Values at the Workplace. Weinheim

	7. WILEY-VCH Verlag GmbH & Co. KGaA. HSA. (2011). Biological Monitoring Guidelines. Dublin: Health and Safety Authority. 8. Ministry of Manpower. (2018). Minister of Manpower Regulation 05 of 2018 concerning Occupational Safety and Health in the Work Environment 9. Ministry of Manpower. (2018). Technical Guidelines for Implementing K3 in the Work Environment - Additional Explanation 10. Minister of Manpower Regulation 05 of 2018 concerning Occupational Safety and Health in the Work Environment 11. Indonesian Ministry of Health. (2016). Minister of Health Regulation No. 70 of 2016 concerning Standards and Requirements Industrial Work Environment Health. Jakarta: Ministry of Health. 12. Knudsen, L. E., & Merlo, D. F. (Eds.). (2012a). Biomarkers and Human Biomonitoring - Volume : Ongoing Programs and Exposures. Cambridge: RSC Publishing. 13. Knudsen, L. E., & Merlo, D. F. (Eds.). (2012b). Biomarkers and Human Biomonitoring – Volume II : Selected Biomarkers of Current Interest. Cambridge: RSC Publishing. 14. National Research Council. (2006). Human Biomonitoring for Environmental Chemicals. Washington, DC: The NationalAcademic Press. 15. Subramanian, K. S., & Iyengar, G. V. (Eds.). (1997). Environmental Biomonitoring : Exposure Assessment and Specimen Banking. Washington DC: American Chemical Safety. 16. WHO. (1996a). Biological Monitoring of Chemical Exposure in the Workplace Guidelines (Vol.2). Geneva: World Health Organization. 17. WHO. (1996b). Biological Monitoring of Chemical Exposure in the Workplace Guidelines (Vol. 1). Geneva: World Health Organization.

Module designation	Occupational Health and Safety Risk Management
Code course	KES 4360
Semester(s) in which the module is taught	6
Person responsible for the module	Dr. Siti Rahmah H. Lubis, SKM, M.KKK
Language	Indonesian
Relation to curriculum	Compulsory course
Teaching methods	Discussions, group assignments, independent study
Workload (incl. contact hours, self-study hours)	• Lecture (class): (3 x 50 min x 14 wks) / 60 min = 35 h • Structured activities and Self study: (3 x 55 min x 16 wks) / 60 min * 2 times = 88 h • Exam: (3 x 50 min) x 2 times / 60 min = 5 h • Total = 128 hours
Credit points	3 Credit Hours ≈ 4,27 ECTS
Required and recommended prerequisites for joining the module	Fundamental of Occupational Health and Safety
Module objectives/intended learning outcomes	1. Able to explain Introduction to Risk Management: Background, scope, definition and principles of risk management 2. Able to explain the concept of risk management 3. Able to explain the concept of hazard and risk identification 4. Able to explain the concept of risk assessment 5. Able to explain the concept of risk control 6. Able to explain the concept of Management of Change 7. Able to evaluate Risk Management using the HAZOP Method 8. Able to evaluate Risk Management using the Fault Tree Analysis Method 9. Able to evaluate Risk Management using the Bow Tie Analysis Method 10. Able to evaluate Risk Management using the Preliminary Hazard Analysis Method 11. Able to evaluate Risk Management using the FMEA Method
Content	This course discusses the risk management process starting from hazard identification, determining the probability and consequences of Occupational Health and Safety risks in order to assess risks using appropriate risk identification techniques, determining appropriate control alternatives for certain risks according to the existing control hierarchy. So it is hoped that students will be able to apply risk identification using various methods, assess risks using qualitative and quantitative approaches in the workplace, be able to evaluate risk controls in the workplace and be able to develop Occupational Health and Safety programs in the workplace.
Examination forms	Oral and written exam
Study and examination requirements	1. Minimum lecture attendance of 80% 2. Completed structured academic assignment 3. Not commit acts of fraud such as cheating or other acts of fraud
Reading list	1. Aven, T. (2008). Risk Analysis. John Wiley & Sons, Inc. 2. CCPS, & Energy Institute. (2018). Bow Ties in Risk Management. Bow Ties in Risk Management. https://doi.org/10.1002/9781119490357 3. Hyatt, N. (2003). Guidelines for Process Hazards Analysis , Hazards Identification and Risk Analysis. In CRC. Dyadem Press. https://doi.org/10.1201/9781420039603 4. McKinnon, R. C. (2017). Risk-based, Management-led, Audit-driven Safety Management Systems (Vol. 57, Issues 4–5). Taylor & Francis. 5. Ringdahl, L. H. (2001). Safety Analysis Principles and

	Practice in Occupational Safety (2nd Editio). Taylor & Francis. 6. Vincoli, J. W. (2006). Basic Guide to System Safety. John Wiley & Sons, Inc.

Module designation	Accident Investigation and Prevention
Code course	KES 4337
Semester(s) in which the module is taught	6
Person responsible for the module	Dr. Siti Rahmah H. Lubis, M.KKK
Language	Indonesian
Relation to curriculum	Compulsory course
Teaching methods	Discussions, lectures, questions and answers, assignments
Workload (incl. contact hours, self-study hours)	• Lecture (class): (3 x 50 min x 14 wks) / 60 min = 35 h • Structured activities and Self study: (3 x 55 min x 16 wks) / 60 min * 2 times = 88 h • Exam: (3 x 50 min) x 2 times / 60 min = 5 h • Total = 128 hours
Credit points	3 Credit Hours ≈ 4,27 ECTS
Required and recommended prerequisites for joining the module	-
Module objectives/intended learning outcomes	1. Students are able to explain the concept of work accidents by investigating work accidents 2. Students are able to explain various work accident theories 3. Students are able to explain the scope and strategies and programs for preventing work accidents 4. Students are able to explain the work accident investigation process 5. Students are able to understand investigative techniques in searching for causal factors 6. Students are able to understand investigative techniques in finding root causes 7. Students are able to understand investigative techniques in searching for further root causes 8. Students are able to provide effective preventive measures to eliminate or deal with the root causes of accidents 9. Students are able to prepare work accident reports based on the results of investigations carried out 10. Students are able to explain work accident statistics 11. Students are able to explain the principles of the Occupational Health and Safety performance monitoring program and work accident cost analysis
Content	This course discusses the definition and classification of work accidents, work accident prevention strategies and programs, various work accident theories, work accident investigation techniques in finding the root of the problem, work accident investigation procedures, recommendations for corrective action, development of K3 performance, costs due to accidents work and preparing work accident reports.
Examination forms	Written test, oral exam
Study and examination requirements	1. Minimum lecture attendance of 80% 2. Completed structured academic assignment 3. Not commit acts of fraud such as cheating or other acts of fraud
Reading list	1. Janicak, C. A. (1999). Safety metrics : Tools and Techniques for Measuring Safety Perfomance. In National Safety Council (Vol. 12, Issue 8, p. 6). 2. Goverment Insitutes. https://doi.org/10.1201/b10236-15 3. Kohn, J. P. (2007). Fundamentals of occupational safety and health (4th ed.). Government Institutes An imprint of The Scarecrow Press, Inc. https://doi.org/10.1016/b978-0-08-010994-7.50030-2

Module designation	Safety Inspection and Audits
Code course	KES 5217
Semester(s) in which the module is taught	6
Person responsible for the module	Siti Rahmah H. Lubis, M.KKK
Language	Indonesian
Relation to curriculum	Elective course
Teaching methods	Discussions, lectures, questions and answers, assignments
Workload (incl. contact hours, self-study hours)	• Lecture (class): (3 x 50 min x 14 wks) / 60 min = 35 h • Structured activities and Self study: (3 x 48 min x 16 wks) / 60 min * 2 times = 76,80 h • Exam: (3 x 50 min) x 2 times / 60 min = 5 h • Total = 116,8 hours
Credit points	3 Credit Hours ≈ 3,89 ECTS
Required and recommended prerequisites for joining the module	-
Module objectives/intended learning outcomes	1. Able to understand Inspection Introduction, Definition, objectives. Background, legal basis, types and time of implementation 2. Able to explain the planning and preparation stages for Occupational Health and Safety inspections 3. Able to explain the stages of implementing and reporting Occupational Health and Safety inspections 4. Able to explain the implementation of inspections on electrical inspection components 5. Able to explain the implementation of inspections on building inspection components 6. Able to explain the implementation of inspections on mechanical and guarding inspection components 7. Able to explain advance: Audit Occupational Health and Safety 8. Able to explain the K3 Audit preparation stages 9. Able to explain the stages of implementing a Occupational Health and Safety Audit 10. Able to explain the stages of drawing Occupational Health and Safety Audit conclusions 11. Able to explain the stages of Occupational Health and Safety Audit reporting and follow-up 12. Students are able to create an Occupational Health and Safety Audit program in a workplace
Content	This course discusses the differences between the K3 Inspection program and the K3 Audit program, how it is implemented starting from the preparation, planning, implementation stages, to compiling results reports and following up on findings to make appropriate improvements. The teaching methods used are: lectures, discussions (small group discussions), presentations, assignments based on several case studies in the workplace, and at the end of the lecture students will carry out implementation (problem based learning) K3 inspections and audits in surrounding workplaces, making reports , and submit a report to the workplace. As a form of community service which is proven by a handover sheet signed by the business owner.
Examination forms	Written reports and tests, oral exams and presentations
Study and examination requirements	1. Minimum lecture attendance of 80% 2. Completed structured academic assignment 3. Not commit acts of fraud such as cheating or other acts of fraud
Reading list	1. ACS Committee on Chemical Safety. (2000). Safety Audit / Inspection Manual. 2. Alaska, U. of. (2009). Departmental Safety Inspection

	Checklists. 3. Asbury, S. (2018). Health and Safety, Environment and Quality Audits: A Risk-based Approach-. In Stand-Out Shorts. 4. ASME. (2005). Guide for Inspection of Elevators , Escalators , and Moving Walks Guide for Inspection of Elevators , Escalators , and. In The American Society of Mechanical Engineers. 5. HSE. (1993). Common Topic 4 : Safety Culture. 100. 6. Matthews, C. (2001). Handbook of Mechanical Works Inspection : A Guide to Effective Practice (2nd Edit). Anthony Rowe Ltd. 7. Michaud , P. A. (1995).Accident Prevention and OSHA Compliance. Taylor & Francis. 8. Pain, S. W. (2010). Safety Health, and Environmental Auditing: A Practical Guide. CRC Press. 9. Sahab, Syukri, D. (1997).Occupational Safety and Health Management Techniques. PT. Develop Human Resources.

Module designation	Emergency Response Systems and Fire Prevention
Code course	KES 4338
Semester(s) in which the module is taught	6
Person responsible for the module	Dr. Iting Shofwati, ST, MKKK
Language	Indonesian
Relation to curriculum	Compulsory Course
Teaching methods	Collaborative learning, discussions based learning, structured activities
Workload (incl. contact hours, self-study hours)	• Lecture (class): (3 x 50 min x 14 wks) / 60 min = 35 h • Structured activities and Self study: (3 x 55 min x 16 wks) / 60 min * 2 times = 88 h • Exam: (3 x 50 min) x 2 times / 60 min = 5 h • Total = 128 hours
Credit points	3 Credit Hours ≈ 4,27 ECTS
Required and recommended prerequisites for joining the module	-
Module objectives/intended learning outcomes	1. Understand the legal aspects of implementing fire prevention programs and emergency response systems in the workplace 2. Understand basic fire concepts 3. Understand fire fighting 4. Understand the concept of fire prevention (Fire Tree Concepts) 5. Understand active fire protection systems – fire detection and alarm systems, light fire extinguishing systems, water extinguishing systems, fixed extinguishing systems 6. Understand passive fire protection systems 7. Understand fire management - Pre-Fire 8. Understand fire management - During a Fire 9. Understand fire management - Post-Fire
Content	This course discusses the concepts and theories of fire occurrence as well as extinguishing theory, the concept of fire prevention and protection, elements of fire prevention including active protection systems, passive protection systems and life-saving means. Apart from that, emergency response preparedness systems are also discussed that are appropriate to specific location conditions.
Examination forms	Written test
Study and examination requirements	1. Minimum lecture attendance of 80% 2. Completed structured academic assignment 3. Not commit acts of fraud such as cheating or other acts of fraud
Reading list	1. Fire Protection Association. (1999). The Design Guide for the Fire Protection of Buildings : a Code of Practice for the Protection of Business. London: Fire Protection Association. 2. Cheremisinoff, N. P. (2014). Dust Explosion and Fire Prevention Handbook : A Guide to Good Industry Practices. Massachusetts.: Wiley-Scrivener. 3. Rasbash, D., Ramachandran, G., Kandola, B., Watts, J., & Law, M. (2004). Evaluation of fire safety: John Wiley & Sons. 4. Haessler, W. M. (2020). Fire : fundamentals and control. Boca Raton: CRC Press. 5. Cheremisinoff, N. P., & Davletshina, T. A. (2013). Fire and explosion hazards handbook of in dustrial chemicals: Elsevier.

6. Bangash, M. Y. H., Al-Obaid, Y. F., & Bangash, F. N. (2014). Fire Engineering of Structures Analysis and Design. Berlin Heidelberg: Springer
7. Stollard, P. (2014). Fire from First Principles : A Design Guide to International Building Fire Safety (Fourth ed.). New York:Routledge.
8. Till, R. C., & Coon, J. W. (2019). Fire Protection : Detection, Notification and Suppression (Second ed.). Switzerland: Springer.
9. Lataille, J. I. (2003). Fire Protection Engineering in Building Design. United States of America: Elsevier Science.
10. Cote, A. E., Hall, J. R., Powell, P. A., & Grant, C. C. (Eds.). (2003). Fire Protection Handbook (Nineteenth ed.). Massachusetts: NFPA
11. Burke, R. (2008). Fire Protection Systems and Response. Boca Raton: CRC Press.
12. Nolan, D. P. (2017). Fire Pump Arrangements at Industrial Facilities (Third ed.). United Kingdom: Elsevier Science.
13. Helmerking, D. (2020). Fire Safety. Switzerland: Birkhäuser Verlag GmbH.
14. Della-Giustina, D. E. (2014). Fire Safety Management Handbook (Third ed.). Boca Raton: CRC Press.
15. Ferguson, L. H., & Janicak, C. A. (2005). Fundamentals of Fire Protection for the Safety Professional. United States of America: Government Institute.
16. Harper, C. A. (Ed.) (2004). Handbook of Building Materials for Fire Protection. United States of America: McGraw-Hill Companies, Inc.
17. Schroll, R. C. (2002). Industrial Fire Protection Handbook (Second ed.). Boca Rotan: CRC Press.
18. Furness, A., & Muckett, M. (2007). Introduction to Fire Safety Management. Burlington: But terworth-Heinemann.
19. Quintiere, J. G. (2016). Principles of Fire Behavior (Second ed.). Boca Raton: CRC Press.
20. Yung, D. (2008). Principles of Fire Risk Assessment in Buildings. United Kingdom: John Wiley & Sons Ltd.
21. Ramachandran, G., & Charters, D. (2011). Quantitative Risk Assessment in Fire Safety. London and New York: Spon Press.
22. Society of Fire Protection Engineering. (2019). SFPE Guide to Human Behavior in Fire (Second ed.). Switzerland: Springer
23. DiNenno, P. J., Drysdale, D., Beyler, C. L., Walton, W. D., Custer, R. L. P., Hall, J. R., & Watts, J. M. (Eds.). (2002). SFPE Handbook of Fire Protection Engineering (Third ed.). Massachusetts: National Fire Protection Association.
24. Wass, H. S., & Fleming, R. P. (2020). Sprinkler Hydraulics : A Guide to Fire System Hydraulic Calculation (Third ed.). Switzerland: The Society of Fire Protection Engineers
25. Isman, K. E. (2017). Standpipe Systems for Fire Protection-. Switzerland: Springer International Publishing.
26. Buchanan, A. H., & Abu, A. K. (2017). Structural Design for Fire Safety. United Kingdom: John Wiley & Sons, Ltd

SEMESTER VII

Module designation	Health Profession Seminar
Code course	KES 5020
Semester(s) in which th module is taught	7
Person responsible for the module	1. DR. Iting Shofwati, ST, MKKK 2. Prof. DR. Arif SUmantri, SKM, M.Kes 3. Fajar Ariyanti, SKM, M.Kes, Ph.D 4. Hoirun Nisa, SKM, M.Kes, Ph.D 5. Baequni, SKM, M.Kes, Ph.D 6. Catur Rosidati,, MKM 7. Dela Aristi, SKM, MKM 8. Siti Rahma Hidayatullah Lubis, SKM, Ra 9. Raihana nadra Alkaff, Ph.D 10. Meliana Sari, SKM, MKM
Language	Indonesian
Relation to curriculum	Compulsory course
Teaching methods	Project Based Learning
Workload (incl. contact hours, self-study hours)	Structured activities and Self study: (2 x 150 min x 22 wks) / 60 min * 2 times = 110 h
Credit points	2 SKS = 3,67 ECTS
Required and recommended prerequisites for joining the module	-
Module objectives/intended learning outcomes	1. Determine the topic of the professional seminar 2. Determine the research theme in accordance with the seminar theme 3. Determine the seminar and research activity planWrite a manuscript of research results 4. Conduct seminar activities 5. Conduct seminar evaluation activities
Content	This course studies how to choose topics to be researched to be further conveyed in seminar forums and discussed by competent speakers in their fields. The results of the discussion from the speakers on the results of this research will then be written in the form of articles and submitted to interested parties related to the topic seminar.
Examination forms	Research Group Assignments and Creating Health Webinars Based on Research Results
Study and examination requirements	1. Minimum lecture attendance of 80% 2. Completed structured academic assignment 3. Not commit acts of fraud such as cheating or other acts of fraud
Reading list	Textbooks and related journals

Module designation	Advanced Research Methodology
Code course	KES 5742
Semester(s) in which the module is taught	7
Person responsible for the module	Narila Mutia Nasir, Ph.D and team
Language	Indonesian
Relation to curriculum	Compulsory course
Teaching methods	Self directed learning, Webinar
Workload (incl. contact hours, self-study hours)	Structured activities and Self study: (2 x 150 min x 22 wks) / 60 min * 2 times = 110 h
Credit points	2 SKS = 3,67 ECTS
Required and recommended prerequisites for joining the module	-
Module objectives/intended learning outcomes	1. Preparation of the introductory chapter, How to write a literature review chapter 2. Preparation of chapters, frameworks, concepts/frameworks, and operational definitions How to write a research methodology chapter, How to design research instruments 3. Understanding of writing results, discussion and conclusions 4. Compile research proposals based on public health problems using appropriate methods and in accordance with the rules of scientific writing.
Content	This course is a continuation of the research methodology course. In this course, scientific research concepts and elements in the research proposal will be applied. The achievement indicator of this course is that students are able to compile research proposals that are ready to be tested and used as a final project. The methods used are lectures, discussions, presentations and assignments based on literature studies.
Examination forms	Written Examination and oral presentation
Study and examination requirements	1. Minimum lecture attendance of 80% 2. Completed structured academic assignment 3. Not commit acts of fraud such as cheating or other acts of fraud
Reading list	1. Adik Wibowo. Metodologi Penelitian Praktis Bidang Kesehatan. RajaGrafindo, 2018 2. M. Sopiyudin Dahlan. Besar Sampel dalam penelitian Kedokteran dan Kesehatan. Epidemiologi Indonesia, 2019 3. W. Alex Edmonds dan Thomas D. Kennedy. An Applied Guide to Research Designs, Quantitative, Qualitative, and Mixed Method, SAGE publication, 2017 4. Sutanto PH. Analisis Data Pada Bidang Kesehatan, Raja Grafindo, 2018 5. Lyn Richard. Handling Qualitative Data, a practical guide, SAGE Publication, 2009 6. Kunc M, Malpass J, White L, editors. Behavioral Operational Research : Theory, Methodology and Practice. London: Palgrave Macmillan; 2016. 7. Aday LA, Cornelius LJ. Designing and Conductiong Health Surveys : A Comprehensive Guide Third ed. San Fransisco: Jossey-Bass; 2006. 8. Field A. Discovering Statistics Using SPSS. Third ed. British: SAGE Publication Ltd; 2009. 9. Gossal N, Gossal G. The Doctor's Guide to Critical Appraisal. Third ed. Cheshire WA: PasTest, Ltd; 2012. 10. Jesson JK, Matheson L, Lacey FM. Doing Your Literature Review : Traditional and Systematic Techniques. London: Sage Publication, Inc; 2011. 11. Streiner DL, Norman GR, Cairney J. Health Measurement Scales : A Practical Guide to Their Development and Use. Fifth

ed. United Kingdom: Oxford University Press; 2015.
12. CIOMS & WHO. International Ethical Guidelines for Epidemiological Studies. Geneva: Council for International Organization of Medical Sciences in collaboration with the World Health Organization; 2009.
13. Dadonienė J, Žagminas K, Beržanskytė A. Introduction to research methodology. VILNIUS: VILNIAUS UNIVERSITETAS; 2013.
14. CDC. Principles of Epidemiology in Public Health Practice : An Introduction to Applied Epidemiology and Biostatistics. Third ed. Atlanta: Center for Disease Control and Prevention; 2012.
15. Miles MB, Huberman AM, Saldafia J. Qualtiatitive Data Analysis : A Methods Sourcebook. Third ed. United States of America: Sage Publications, Inc; 2014.
16. Ulin, PR, Robinson, ET., Tolley, EE. Qualitative Methods in Public Health: A Field Guide for Applied Research. United States of America: Jossey-Bass. 2005
17. Nurmansyah, Mochammad Iqbal. 2019. Knowledge, attitude and practice of cigarette smoking among senior secondary school students in Depok, Indonesia Minsarnawati. 2020. Model of stunting determinants: A systematic review

Module designation	Indoor Air Quality and Ventilation Management
Code course	KES 5722
Semester(s) in which the module is taught	7
Person responsible for the module	Dr. Iting Shofwati, ST, MKKK
Language	Indonesian
Relation to curriculum	Elective course
Teaching methods	Collaborative learning, discussion based learning, structured activities
Workload (incl. contact hours, self-study hours)	• Lecture (class): (2 x 50 min x 14 wks) / 60 min = 23,33 h • Structured activities and Self study: (2 x 48 min x 16 wks) / 60 min * 2 times = 51,2 h • Exam: (2 x 50 min) x 2 times / 60 min = 3,33 h • Total = 77,86 hours
Credit points	2 Credit Hours ≈ 2,60 ECTS
Required and recommended prerequisites for joining the module	Fundamental of Occupational Health and Safety
Module objectives/intended learning outcomes	1. Able to recognize indoor air quality problems (sources and IAQ pollutant parameters) 2. Able to understand the health impacts of IAQ (Sick Building Syndrome, Building Related Illness, and Multiple Chemical Sensitivity) 3. Able to measure the health impact of IAQ 4. Able to understand IAQ parameters based on national and international regulations 5. Able to know how to measure IAQ parameters in the workplace 6. Able to understand how to control IAQ problems 7. Able to understand ventilation in general 8. Able to understand dilution ventilation 9. Able to understand local exhaust ventilation 10. Able to understand the selection of the appropriate type of respiratory protection
Content	This course studies two things, namely (1) room air quality management and (2) industrial ventilation. In discussing the topic of indoor air quality management, the meaning of (a) anticipating and reconciling IAQ is discussed, containing the definition of IAQ, IAQ parameters, sources of indoor air quality pollutants, health effects due to indoor air quality, including sick building syndrome, building related illness, and multiple chemical resistance, (b) IAQ evaluation, namely discussing how to measure IAQ parameters and evaluate them by comparing IAQ regulations that apply both at national and international levels, (c) getting to know various types of IAQ controls based on findings in the field . To be able to address IAQ problems in the field, students must recognize and evaluate IAQ in a location and provide applicable recommendations for problem findings in the field. On the topic of industrial ventilation, students will learn an introduction to ventilation in general, types of ventilation, the advantages and disadvantages of each type of ventilation, dilution ventilation, local exhaust ventilation and the selection of appropriate respiratory protective equipment when conditions of exposure to chemical hazards in the workplace cannot be avoided. controlled by technical controls. In discussing dilution ventilation, students will study whether a location is considered safe or not, so that they can calculate the air requirements needed so that environmental conditions are comfortable for workers'health.
Examination forms	SBS and MCS case studies, MCQs and case studies
Study and examination requirements	1. Minimum lecture attendance of 80% 2. Completed structured academic assignment

	3. Not commit acts of fraud such as cheating or other acts of fraud
Reading List	1. Pluschke P, Schleibinger H, editors. Indoor Air Pollution. Sedond ed. Germany: Springer; 2018. 2. Gammage RB, Kaye SV, Jacobs VA, editors. Indoor air and human health. Boca Raton: CRC Press; 2018. 3. Yanagisawa Y, Yoshino H, Ishikawa S, Miyata M. Chemical Sensitivity and Sick-Building Syndrome. Boca Raton: CRC Press; 2017. 4. Viegas C, Viegas S, Gomes A, Taubel M, Sabino R, editors. Exposure to Microbiological Agents in Indoor and Occupational Environments. Switzerland: Springer International Publishing; 2017. 5. Hess-Kosa K. Building Materials : Product Emission and Combustion Health Hazards. Boca Raton: CRC Press; 2017. 6. Capolongo S, Settimo G, Gola M, editors. Indoor Air Quality in Healthcare Facilities. Switzerland: SpringerBriefs in Public Health; 2017. 7. Barcelo D, Kostianoy AG, editors. Indoor and Outdooor Nanoparticles : Determinants of Release and Exposure Scenarios. Switzerland: Springer International Publishing; 2016. 8. ASHRAE. ANSI/ASHRAE Standard 62.1-2016 : Ventilation for Acceptable Indoor Air 9. Quality. Atlanta: American Society of Heating, Refrigrating and Air-Conditioning Engineers, Inc; 2016. 10. Myatt TA, Allen JG, editors. Environmental Health : Indoor Exposure, Assessments and Interventions. Boca Raton: CRC Press; 2013. 11. TSI. Indoor Air Quality Handbook : A Practical Guide to Indoor Air Quality Investigations. United States of America: TSI Incorporated; 2011. 12. Logachev I, Logachev K, Averkova O. Local Exhaust Ventilation : Aerodynamic Processes and Calculations of Dust Emissions. Boca Raton: CRC Press; 2016. 13. Chenvidyakarn T. Buoyancy Effects on Natural Ventilation. New York: Cambridge University Press; 2013. 14. Burgess WA, Ellebecker MJ, Treitman RD. Ventilation for Control of the Work Environment. Second ed. New Jersey: John Wiley & Son, Inc; 2004. 15. ACGIH. Industrial Ventilation : A Manual of Recommended Practice. 25rd ed. Ohio: American Conference of Governmental Industrial Hygienists; 2004.

Module designation	Occupational Health and Safety Program
Semester(s) in which the module is taught	7
Person responsible for the module	Dr. Iting Shofwati, ST, MKKK
Language	Indonesian
Relation to curriculum	Compulsory
Teaching methods	Discussion, discovery learning, group assignments
Workload (incl. contact hours, self-study hours)	• Lecture (class): (2 x 50 min x 14 wks) / 60 min = 23,33 h • Structured activities and Self study: (2 x 55 min x 16 wks) / 60 min * 2 times = 58,67 h • Exam: (2 x 50 min) x 2 times / 60 min = 3,33 h • Total = 85,33 hours
Credit points	2 Credit Hours ≈ 2,84 ECTS
Required and recommended prerequisites for joining the module	Fundamental of Occupational Health and Safety
Module objectives/intended learning outcomes	1. Able to explain the scope of implementation of the Contractor Safety Program Management System (CSMS), 2. Able to explain the scope of implementation of the Machine Safeguard Program 3. Able to explain the scope of implementation of the Lock Out Tag Out (LOTO) Program 4. Able to explain the scope of implementation of the Safety Sign Program 5. Able to explain the scope of implementation of the Working at Height Program 6. Able to explain the scope of implementation of the Permit to Work (PTW) Program. 7. Able to explain the scope of implementation of the Hazard Communication & Chemical Compatibility Program 8. Able to explain the scope of implementation of the Bloodborne Phatogen Program (Covid-19 Case Study) 9. Able to explain the scope of implementation of the Medical Service & Fit To Work Program 10. Able to explain the scope of implementation of the High Risk Worker Immunization Program 11. Able to explain the scope of implementation of the Reproductive Health Program for Female Workers 12. Able to explain the scope of implementation of the Occupational Nutrition Program 13. Able to explain the scope of implementation of the Mental Health Program
Content	This course studies various programs in the workplace both related to occupational safety and occupational health, so that students are able to understand the scope of application of various K3 programs in the workplace, so that students gain an understanding of the aims and benefits of the program, when and where the program is implemented and how the program was implemented. Work safety programs discussed in this course include Contractor Safety Management System (CSMS), Machine Safeguard, Lock Out Tag Out (LOTO), Safety Sign, working at Height and Permit to Work (PTW). Meanwhile, occupational health programs discussed include Hazard

	Communication & Chemical Compatibility, Bloodborne Phatogen, Medical Service & Fit to Work, Worker Immunization, Reproductive Health, Occupational Nutrition and Mental Health
Examination forms	Written Examination
Study and examination requirements	1. Minimum lecture attendance of 80% 2. Completed structured academic assignment 3. Not commit acts of fraud such as cheating or other acts of fraud
Reading list	1. Huges, P. and Huges, L. (2008) Easy Guide to Health and Safety. First edit. USA: Elsevier. 2. Hughes, P. and Ferrett, E. (2011) Introduction to Health & Safety Work Act. 5th Editio. USA: Elsevier. Available at: www.nebosh.org.uk. 3. ILO (2012) Solve : Integrating Health Promotion into Workplace OSH Policies. Edited by V. Forastiori. Italy. 4. Kohn, J. P. (2007) Fundamentals of occupational safety and health. 4th ed. United States of America: Government Institutes An imprint of The Scarecrow Press, Inc. doi: 10.1016/b978-0-08-010994-7.50030-2. 5. American Society of Safety Engineers. ANSI/ASSE Z359.2 - 2007 : Minimum Requirements for a Comprehensive Managed Fall Protection Program - Part of the Fall Protection Code Version 2. Illinois: American Society of Safety Engineers; 2007. 6. Keller's JJ. 5-Minute Workplace Safety Talks United States of America: J.J. Keller & Associates, Inc; 2014. 7. Keller's JJ. 1910 OSHA Guide : Workplace Safety Regulations & Index. United States of America: J.J. Keller & Associates, Inc; 2014. 8. Chambers G. Concise Guide to Workplace Safety and Health : What You Need toKnow, When You Need It. Boca Raton: CRC Press; 2011. 9. Taylor G, Easter K, Hegney R. Enhancing Occupational Safety and Health. Great Britain: Elsevier Butterworth-Heinemann; 2004. 10. Backhouse J. Essential Health & Safety Study Skill. New York: Routledge; 2013. 11. Friend MA, Kohn JP. Fundamental of Occupational Safety and Health. Fourth ed. USA: Government Institutes; 2007. 12. Koradecka D, editor. Handbook of Occupational Safety and Health. Boca Raton: CRC Press; 2010. 13. Stranks J. Health & Safety at Work : An Essential Guide for Managers. United Kingdom: Kogan Page Limited; 2008. 14. Ridley J. Health and Safety in Brief. Great Britain: Elsevier Ltd; 2008. 15. Reese CD. Occupational Safety and Health : Fundamental Principles and Philosophies. Second ed. Boca Raton: CRC Press; 2017. 16. Brauer RL. Safety and Health for Engineers. Third ed. New Jersey: A John Wiley & Sons, Inc 2016. 17. Yates WD. Safety Professional's Reference & Study Guide. Second ed. Boca Raton: CRC Press; 2015

SEMESTER VIII

Module designation	Internship
ABI 6017	
Semester(s) in which the module is Taught	8
Person responsible for the module	Raihana Nadra Alkaff, MMA, PhD
Language	Indonesian
Relation to curriculum	Compulsory course
Teaching methods	Field work
Workload (incl. contact hours, self-study hours)	Structured activities and Self study: (3 x 150 min x 22 wks) / 60 min * 2 times = 165 h
Credit points	3 credit hours = 5,50 ECTS
Required and recommended prerequisites for joining the module	115 credit hours have been taken, including Field Learning Practicum 1 and 2
Module objectives/intended learning outcomes	1. Able to identify internship institutions to gain knowledge and work practice experience 2. Able to apply the knowledge and skills gained so that they can prepare themselves to work. 3. Able to write a clear and concise report on the results of knowledge and work practice experience. 4. Able to communicate effectively in accordance with Islamic ethics 5. Able to understand the planning, implementation, implementation and evaluation of health programs by taking into account Islamic values and local culture.
Content	The Internship course is a compulsory course for the Public Health undergraduate study program. Internship is an intra-curricular activity that requires students to observe and practice work in agencies, institutions, or companies for a certain period equivalent to 3 field credits. This course aims to provide opportunities for students to gain practical knowledge and experience as well as apply the knowledge and skills gained during college so that they can better prepare themselves for work. After the internship, students are required to make an internship report in accordance with the internship report guidelines.
Examination forms	Assessment consist of 1. Professional behavior (30%) 2. Ethics (25%) 3. Presentation (25%) 4. Report (20%)
Study and examination requirements	1. Attendance in field /institution 100 % 2. Internship Presentation Exam 3. Total score not less than 60
Reading list	1. Pedoman magang. 2018. Program Studi Kesehatan Masyarakat. FIKES UIN Jakarta

Module designation	Undergraduate thesis
Code course	ABI 9042
Semester(s) in which the module is taught	8
Person responsible for the module	Team Teaching
Language	Indonesian
Relation to curriculum	Compulsory course
Teaching methods	Discovery Learning Project
Workload (incl. contact hours, self-study hours)	Structured activities and Self study: (4 x 150 min x 22 wks) / 60 min * 2 times = 220 h
Credit points	4 credit hours = 7,33 ECTS
Required and recommended prerequisites for joining the module	Have taken a minimum of 140 credits
Module objectives/intended learning outcomes	1. Have basic knowledge as a tool for analyzing situations of community behavior, nutritional status, environmental health, K3 and health services 2. Have knowledge of effective communication (knowledge of communicators (language), message (public health substance science), communicant (psychology, education, anthropology, sociology, media and Islamic principles in communication 3. Able to apply situation assessment and analysis in the public health sector at the activity level primary health care with an interdisciplinary approach 4. Able to implement effective communication by paying attention to Islamic values 5. Able to apply leadership values and systems thinking in the field of public health with an interdisciplinary approach taking into account Islamic values
Content	A thesis is a scientific work written by a student at the end of their study period at the Public Health Study Program, Faculty of Health Sciences, Syarif Hidayatullah State Islamic University, Jakarta under the guidance of a predetermined supervisor. The thesis is part of an assignment to achieve a Bachelor of Public Health (SKM) degree. The thesis must be prepared according to procedures and based on research data. It is hoped that writing scientific work can demonstrate students' reasoning abilities systematically and continuously in identifying important health problems in society.

Study and examination requirements	The assessment weights for each stage of the exam are as follows: Seminar Proposal: 30% of the total final score for the thesis Seminar Results: 30% of the total final score for the thesis Thesis Examination: 40% of the total final score for the thesis The examining team gives thesis trial scores according to the level of ability achieved by the examinee in writing thesis and mastery of thesis material. The applicable value provisions are as follows: A = 80-100 = Very Good B = 70-79 = Good C = 60-69 = Fair / Moderate D = 0-59 = Poor / NOT PASS 1.**Seminar Proposal** a) Proposal Seminar Registration Requirements Students can register for a proposal seminar by filling in the Google Form for submitting a proposal seminar and uploading the registration requirements for a thesis proposal seminar which consist of: 1) Guidance proof sheet 2) GPA that has been verified by the Study Program 3) Thesis proposal that has been signed by the Thesis Supervisor b) Students who have received a proposal seminar schedule, are required to send a thesis proposal that has been signed by the supervisor accompanied by an invitation letter to the supervisor and all examiners no later than 3 days before the date of the proposal seminar. **2.Results Seminar** a) Results Seminar Registration Requirements Students can register for the seminar results by filling in the Google Form for seminar registration results and uploading the following seminar registration requirements: i. Guidance proof sheet ii. Letter of Ethics Approval from the Ethics Committee or proof that you have submitted an ethics letter to the faculty ethics committee. The thesis that has been signed by the thesis supervisor b) The thesis that has been signed by the supervisor is submitted to the supervisor and examiner accompanied by a letter inviting the examiner no later than 3 days before the results seminar date. **3. Thesis Trial** a) Thesis Trial Registration Requirements Students can register for the thesis trial by filling in the Google thesis trial registration form and uploading the following requirements: i. Proof of Thesis Guidance ii. Evidence of checking the similarity of thesis manuscripts in CHAPTERS 1, 2, 4, 6 and 7 with a maximum similarity level of 30% iii. Thesis that has been signed by the supervisor iv. Stamped Statement of Authenticity (FORM 18) v. Publication Statement Letter (FORM 19) vi. Proof of Free Fee Information vii. GPA signed by the Head of Study Program / Secretary of Study Program with a minimum of 140 credits and having passed all subjects compulsory and elective course viii. TOEFL certificate with a minimum score of 450 and TOAFL with a minimum score of 375 which has been validated by the UIN Language Center Syarif Hidayatullah Jakarta

	ix. High school diploma/equivalent x. Evidence of Implementation of Academic Guidance b) Thesis trial participants must submit a thesis that has been signed by their supervisor to the supervisor and examiner accompanied by a letter inviting the supervisor and examiner no late than 3 days before the thesis trial date.

Reading List	1. Adik Wibowo (2014.).Practical research methodology: health sector. Jakarta :: Rajawali Press,. 2. Otong Setiawan DJ.Guidelines for Writing Theses, Theses, Dissertations Publisher Yrama Widya. 2018 3. Malik Saepudin.Principles of epidemiology.Trans Info Media. 2021