ACADEMIC HANDBOOK OF BACHELOR PROGRAMS
THE FACULTY OF PUBLIC HEALTH
UNIVERSITAS AIRLANGGA
ACADEMIC YEAR 2022/2023

AUP :

Printed by:
Airlangga University Press (AUP)

UNIVERSITAS AIRLANGGA
FAKULTAS KESEHATAN MASYARAKAT
Kampus C Mulyorejo Surabaya 60115 Telp. 031-5920948, 5920949 Fax. 031-5924618
Laman : http://www.fkm.unair.ac.id; E-mail: info@fkm.unair.ac.id

SALINAN

KEPUTUSAN
DEKAN FAKULTAS KESEHATAN MASYARAKAT
UNIERSITAS AIRLANGGA

NOMOR 168/UN3.1.10/2022

TENTANG

TIM PENYUSUN BUKU PANDUAN PENDIDIKAN PROGRAM SARJANA FAKULTAS KESEHATAN MASYARAKAT UNIVERSITAS AIRLANGGA TAHUN AKADEMIK 2022/2023

DEKAN FAKULTAS KESEHATAN MASYARAKAT
UNIVERSITAS AIRLANGGA,

Menimbang :
a. bahwa guna mendukung pengembangan pembelajaran program studi secara optimal, efektif, efisien, dan bermutu sesuai dengan Standar Nasional Pendidikan Tinggi bagi Mahasiswa Program Sarjana Fakultas Kesehatan Masyarakat Universitas Airlangga Tahun Akademik 2021/2022, dipandang perlu menetapkan Tim Penyusun Buku Panduan Pendidikan;
b. bahwa untuk menetapkan Buku Panduan Pendidikan Program Pendidikan Sarjana perlu dibentuk Tim Penyusun Buku Panduan Pendidikan Fakultas Kesehatan Masyarakat Universitas Airlangga Tahun Akademik 2022/2023;
c. bahwa berdasarkan pertimbangan sebagaimana dimaksud dalam huruf a dan huruf b, perlu menetapkan Keputusan Dekan tentang Tim Penyusun Buku Panduan Pendidikan Bagi Mahasiswa Program Sarjana Fakultas Kesehatan Masyarakat Universitas Airlangga Tahun Akademik 2022/2023.

Mengingat :
1. Undang-Undang Nomor 20 Tahun 2003 tentang Sistem Pendidikan Nasional (Lembaran Negara Republik Indonesia Tahun 2003 Nomor 78, Tambahan Lembaran Negara Republik Indonesia Nomor 4301);
2. Undang-Undang Nomor 12 Tahun 2012 tentang Pendidikan Tinggi (Lembaran Negara Republik Indonesia Tahun 2012 Nomor 158, Tambahan Lembaran Negara Republik Indonesia Nomor 5336);
3. Peraturan Pemerintah Republik Indonesia Nomor 57 Tahun 1954 tentang Penetapan Universitas Airlangga di Surabaya sebagaimana telah diubah dengan Peraturan Pemerintah Nomor 3 tahun 1955 tentang Pengubahan Peraturan Pemerintah Nomor 57 Tahun 1954 (Lembaran Negara Republik Indonesia Tahun 1954 Nomor 99, Tambahan Lembaran Negara Republik Indonesia Nomor 695 juncto Lembaran Negara Republik Indonesia Tahun 1955 Nomor 4 Tambahan Lembaran Negara Nomor 748);

4. Peraturan Pemerintah Republik Indonesia Nomor 4 Tahun 2014 tentang Penyelenggaraan Pendidikan Tinggi dan Pengelolaan Perguruan Tinggi. (Lembaran Negara Republik Indonesia Tahun 2014 Nomor 16, Tambahan Lembaran Negara Nomor 5500);
5. Peraturan Pemerintah *Republik Indonesia* Nomor 30 Tahun 2014 tentang Statuta Universitas Airlangga. (Lembaran Negara Republik Indonesia Tahun 2014 Nomor 100, Tambahan Lembaran Negara Nomor 5535);
6. Keputusan Mendikbud Republik Indonesia Nomor 0372/O/1993 dan ralatnya Nomor 70539/A6.1/U/1993 tentang Pembukaan Fakultas Kesehatan Masyarakat serta Fakultas Psikologi Universitas Airlangga Jo. Keputusan Mendikbud Republik Indonesia Nomor 0192/O/1995, sebagaimana telah diubah/ditambah dengan Keputusan Mendikbud Republik Indonesia Nomor 0276/O/1996 tentang organisasi dan tata kerja Universitas Airlangga;
7. Keputusan Mendiknas Republik Indonesia Nomor 232/U/2000, tentang Pedoman Penyusunan Kurikulum Pendidikan Tinggi dan Penilaian Hasil Belajar Mahasiswa;
8. Peraturan Rektor Universitas Airlangga Nomor 11 Tahun 2020 tentang Pedoman Pendidikan Universitas Airlangga;
9. Keputusan Rektor Universitas Airlangga No. 16884/H3/KR/2012, tentang Penetapan Kurikulum Program Studi pada Fakultas Masyarakat Universitas Airlangga;
10. Keputusan Rektor Universitas Airlangga 762/UN3/2020, tentang Pengangkatan Dekan Fakultas, Direktur Sekolah Pascasarjana dan Direktur Rumah Sakit Universitas Airlangga Periode 2020-2025;
11. Keputusan Rektor Nomor 661/UN3/2021 tentang Penetapan Kurikulum Program Sarjana pada Program Studi Kesehatan Masyarakat pada Fakultas Kesehatan Masyarakat;
12. Keputusan Rektor Nomor 662/UN3/2021 tentang Penetapan Kurikulum Program Sarjana pada Program Studi Gizi pada Fakultas Kesehatan Masyarakat;
13. Keputusan Dekan Fakultas Kesehatan Masyarakat Nomor 154/UN3.1.10/2022 tentang Tim Kurikulum Program Sarjana Program Studi Kesehatan Masyarakat Fakultas Kesehatan Masyarakat Universitas Airlangga Periode Tahun 2022 – 2025;

MEMUTUSKAN :

Menetapkan : **KEPUTUSAN DEKAN FAKULTAS KESEHATAN MASYARAKAT UNIVERSITAS AIRLANGGA TENTANG TIM PENYUSUN BUKU PANDUAN PENDIDIKAN PROGRAM SARJANA FAKULTAS KESEHATAN MASYARAKAT UNIVERSITAS AIRLANGGA TAHUN AKADEMIK 2022/2023.**

KESATU : Membentuk Tim Penyusun Buku Panduan Pendidikan Program Sarjana Fakultas Kesehatan Masyarakat Universitas Airlangga, dengan susunan personalia sebagaimana tercantum dalam Lampiran Keputusan ini.

KEDUA : Tim bertugas menyusun buku yang berisi Panduan Pendidikan Program Sarjana Fakultas Kesehatan Masyarakat Universitas Airlangga Tahun Akademik 2022/2023.

KETIGA : Dalam melaksanakan tugasnya, Tim sebagaimana dimaksud pada Diktum KESATU berpedoman pada peraturan dan ketentuan-ketentuan yang berlaku serta memberikan laporan pertanggung jawaban kepada Dekan.

KEEMPAT : Biaya untuk pelaksanaan ini dibebankan pada dana Rencana Kerja dan Anggaran Tahunan (RKAT) Fakultas Kesehatan Masyarakat Universitas Airlangga.

KELIMA : Keputusan ini mulai berlaku pada tanggal 27 Juni 2022.

Ditetapkan di Surabaya
Pada tanggal 5 September 2022

DEKAN,

t.t.d.

SANTI MARTINI
NIP 196609271997022001

Salinan disampaikan kepada Yth. :

1. Wakil Dekan di lingkungan FKM UNAIR;
2. Kepala Bagian Tata Usaha FKM UNAIR;
3. Koordinator Program Sarjana, Program Studi FKM UNAIR;
4. Yang bersangkutan.

Salinan sesuai dengan aslinya
Kepala Bagian Tata Usaha,

Yuniawan Heru Santoso
NIP 197806022008101001

LAMPIRAN KEPUTUSAN DEKAN FAKULTAS KESEHATAN MASYARAKAT UNIVERSITAS AIRLANGGA
NOMOR : 168/UN3.1.10/2022, TANGGAL 5 SEPTEMBER 2022
TENTANG : TIM PENYUSUN BUKU PANDUAN PENDIDIKAN PROGRAM SARJANA PROGRAM STUDI KESEHATAN MASYARAKAT FAKULTAS KESEHATAN MASYARAKAT UNIVERSITAS AIRLANGGA TAHUN AKADEMIK 2022/2023.

Pelindung	:	Dr. Santi Martini, dr., M.Kes. (Dekan)
Penanggung Jawab	:	Prof. Dr. Nyoman Anita Damayanti, drg., M.S. (Wakil Dekan I)
Narasumber		1. Dr. Moh. Atoillah Isfandari, dr., M.Kes (Wakil Dekan II) 2. Trias Mahmudiono, S.KM., M.PH (Nutr.)., Ph.D.GCAS (Wakil Dekan III) 3. Dr. Mahmudah, Ir., M.Kes (Ketua SPM)
Tim Penyusun		1. Dr. Muji Sulistyowati, S.KM., M.Kes 2. Emyr Reisha Isaura, S.Gz., M.PH., Ph.D. 3. Dr. Abdul Rohim Tualeka,Drs., M.Kes. 4. Dr. Ir. Lilis Sulistyorini, M.Kes. 5. Dr. Ratna Wulandari, S.KM., M.Kes 6. Dr. Fariani Syahrul, S.KM., M.Kes 7. Dr. Siti Nadhiroh, S.KM., M.Kes 8. Anisa Lailatul Fitria, S.Gz., M.Sc 10.Kurnia Dwi Artanti, dr., M.Kes 11.Dr. Rr. Soenarnatalina M. Ir., M.Kes 12.Dr. Sri Widati, S.Sos. MSi 13.Dr. Lucia Yovita Hendrati, SKM. M.Kes. 14.Bian Shabri Putri Irwanto, S.KM., M.KKK
Sekretariat	:	1. Dr. Yuniawan Heru Santoso, SE., S.Sos., M.Si 2. Suwadi, S.Sos 3. Agung Perbowo D.P. 4. Harlina Aisyahturrahmah, A.Md. 5. Eka Putri Arifianty, S.Gz.

Ditetapkan di Surabaya
Pada tanggal 5 September 2022
DEKAN,

t.t.d.

SANTI MARTINI
NIP 196609271997022001

Salinan sesuai dengan aslinya
Kepala Bagian Tata Usaha,

Yuniawan Heru Santoso
NIP 197806022008101001

PREFACE

Assalamu'alaikum Wr. Wb.

Dear valued students,

On behalf of the entire faculty community and staff, I am pleased to welcome and congratulate you on your admission to the Faculty of Public Health, Universitas Airlangga, or FKM Unair. As one of the thousands of prospective students accepted by the Faculty of Public Health, Universitas Airlangga, you should praise and thank God for your enrollment. Moreover, you must uphold your alma mater's reputation, Universitas Airlangga.

First and foremost, I present my eternal gratitude to God the Almighty for giving us the opportunity and ability to complete this Academic Handbook of Academic Year 2022/2023, which is the improved or revised version of the previous one. This book is prepared to provide the necessary education and academic information, history, vision, missions, and goals of FKM Unair. As a guideline, especially for you as a student in this faculty, this book also contains general academic rules, curricula, and courses that should be adopted and adhered to by all elements of the academic in FKM Unair. Unlike the similar book of the previous academic year, different rules may apply in this one. You must note that compulsory, elective, and minor courses (specifically for the Bachelor Program in Public Health) must be chosen in the Course Selection Sheet (KRS) to make your study plan.

This handbook is expected to strengthen the organization of the educational process further, aiming to improve the quality of the learning process. Therefore, this book includes regulations and obligations for the academic staff, students, and administrative staff to obey. It is recognized that the quality of the content in this book still needs to be improved by the demands of a dynamic academic environment.

Eventually, I wish you all to enjoy your learning journey and achieve academic excellence. I also express my gratitude to the editorial team of the Handbook of Academic Year 2022/2023 for working hard to revise and compile this book. Hopefully, this book can provide sufficient information for all of us, especially the academic community at FKM Unair.

Wassalamu'alaikum Wr. Wb. Thank you.

Surabaya, May 2022
The Dean,

Dr. Santi Martini, dr., M.Kes.
NIP 196609271997022001

TABLE OF CONTENTS

PROGRAM PROFILE
OF THE BACHELOR PROGRAM IN PUBLIC HEALTH

1. Department : 1. Department of Health Administration and Policy
   2. Department of Epidemiology, Biostatistics and Population Studies, and Health Promotion
      a. Division of Epidemiology
      b. Division of Health Promotion and Behavioral Science
      c. Division of Biostatistic and Population Studies
   3. Department of Nutrition
   4. Department of Occupational Health and Safety
   5. Department of Environmental Health
2. Faculty : Public Health
3. University : Universitas Airlangga
4. Decree Number of Study Program Establishment : 117/Dikti/Kep/1984
5. Date of Decree : September 24, 1984
6. Month and Year of the Study Program's
   First Implementation : August 22, 1984
   (The Rector's Decree No. 5076/PT.03.1/1/1984)
7. Address : Campus C Unair, Mulyorejo Street, Surabaya
8. Telephone/Fax : (031) 5920948, 5920949 Fax (031) 5924618
9. Email : s1kesmas@fkm.unair.ac.id
10. Home Page : https://s1kesmas.fkm.unair.ac.id/
11. Accreditation Status :
    a. Accredited A (1998–2004)
    b. Accredited B (2004–2009)
    c. Accredited A (2009–2013)
    d. Accredited A (2013–2019)

e. **Accredited A** (2019–2024) based on the Decree of LAMPTKES No. 0332/LAM-PTKes/Akr/Sar/VI/2019 - https://fkm.unair.ac.id/sertifikasi-akreditas-program-studi/

f. Certified by **Asia University Network-Quality Assurance (AUN-QA)** in **the Certificate of QA Standard**

g. Certified by **the Agency of Public Health Education Accreditation (APHEA)** in **the Certificate of Curriculum Validation**

h. Internationally Accredited by **the Agency of Public Health Education Accreditation (APHEA)** in **the Certificate of Program Accreditation** valid from December 18, 2019, until December 17, 2025 https://www.aphea.be/Pages/A3.PROGRAMMES/Accredited_Programmes.html

PROGRAM PROFILE OF THE BACHELOR PROGRAM IN NUTRITION

1.	Department	: Nutrition
2.	Faculty	: Public Health
3.	University	: Universitas Airlangga
4.	Decree Number of Study Program Establishment	: 6093/UN3/KR/2013
5.	Date of Decree	: April 15, 2013
6.	Month and Year of the Study Program's First Implementation	: August 2013
7.	Address	: Department of Nutrition, Faculty of Public Health Universitas Airlangga Campus C Unair, Mulyorejo Street, Surabaya
8.	Telephone/Fax	: (031) 5964808, 5920949 Fax (031) 5924618
9.	Email	: prodigizi@fkm.unair.ac.id
10.	Home Page	: http://s1gizi.fkm.unair.ac.id
11.	Accreditation Status	: Accredited A Based on the Decree of LAMPTKES No. 0362/Lam-PTKes/Akr/Sar/V/2018 Valid from May 26, 2018, until May 25, 2023

STRUCTURAL OFFICIALS OF THE FACULTY OF PUBLIC HEALTH
UNIVERSITAS AIRLANGGA

Dean	: Dr. Santi Martini, dr., M.Kes.
Vice Dean I	: Prof. Dr. Nyoman Anita Damayanti, drg., M.S.
Vice Dean II	: Dr. M. Atoillah Isfandiari, dr., M.Kes.
Vice Dean III	: Trias Mahmudiono, S.K.M., M.P.H., G.C.A.S., Ph.D.
Head of Administration	: Vita Dyana, S.KM., S.Kom.
Head of Academic Affairs Subdivision	: Suwadi, S.Sos.
Head of Student Affairs Subdivision	: Saikhon, S.Sos.
Head of Facilities and Infrastructures Subdivision	: Imam Shobari, S.T.
Head of Finance and Human Resource Subdivision	: Mardiana, Dra.Ec., M.PSDM.
Chief of Quality Assurance Unit	: Dr. Ir. Mahmudah, M.Kes.
Chiefs of Department	:
Department of Health Administration and Policy	: Dr. Ratna Dwi Wulandari, S.K.M., M.Kes.
Department of Epidemiology, Biostatistics and Population Studies, and Health Promotion	: Dr. Fariani Syahrul, S.K.M., M.Kes.
Department of Nutrition	: Dr. Siti Rahayu Nadhiro, S.K.M., M.Kes.
Department of Occupational Health and Safety	: Dr. Abdul Rohim Tualeka, Drs., M.Kes.
Department of Environmental Health	: Dr. Lilis Sulistyorini, Ir., M.Kes.
Chiefs of Division	:

Division of Biostatistics and Population Studies	: Dr. Soenartalina M., Ir., M.Kes.
Division of Epidemiology	: Dr. Lucia Yovita Hendrati, S.K.M., M.Kes.
Division of Health Promotion and Behavioral Science	: Dr. Sri Widati, S.Sos., M.Si.

STRUCTURAL OFFICIALS OF
THE BACHELOR PROGRAM IN PUBLIC HEALTH

Study Program Coordinator	: Dr. Muji Sulistyowati, S.K.M., M.Kes.
Study Program Secretary	: Kurnia Dwi Artanti, dr., M.Sc.
Chief of Quality Control Circle	: Dr. Soenarnatalina Melaniani, Ir., M.Kes.
Secretary of Quality Control Circle	: Aditya Sukma P., S.K.M., M.KL

FIELDWORK AND INTERNSHIPS COORDINATORS FOR THE BACHELOR PROGRAM IN PUBLIC HEALTH, FACULTY OF PUBLIC HEALTH, UNIVERSITAS AIRLANGGA

1. Fieldwork : 1) Shintia Yunita Arini, S.K.M., M.K.K.K.
   2) Bian Shabri Putri Irwanto, S.K.M., M.K.K.K.
2. Internships : Dr. Lucia Y. Hendrati, S.K.M., M.Kes.

STRUCTURAL OFFICIALS OF THE BACHELOR PROGRAM IN NUTRITION

Study Program Coordinator	: Emyr Reisha Isaura, S.Gz., M.P.H., Ph.D.
Study Program Secretary	: Anisa Lailatul Fitria, S.Gz., M.Sc.
Chief of Quality Control Circle	: Prof. Dr. Annis Catur Adi, Ir., M.Si.
Secretary of Quality Control Circle	: Septa Indra Puspikawati, S.K.M., M.P.H.

INTERNSHIPS COORDINATORS FOR THE BACHELOR PROGRAM IN NUTRITION, FACULTY OF PUBLIC HEALTH, UNIVERSITAS AIRLANGGA

1. Nutrition Food Entrepreneurship Internships : Dr. Siti Rahayu Nadhiroh, S.K.M., M.Kes.
2. Dietetic Internships : Stefania Widya Setyaningtyas, S.Gz., M.P.H.
3. Community Nutrition Internships : Dr. Siti Rahayu Nadhiroh, S.K.M., M.Kes.

CHAPTER I
INTRODUCTION

1.1 HISTORY

1.1.1 The History of the Faculty of Public Health

The Faculty of Public Health, Universitas Airlangga, or FKM Unair, was officially established after the issuance of the Decree of the Minister of Education and Culture No. 0372/O/1993 dated October 21, 1993, concerning the Opening of the Faculty of Public Health and Psychology in Universitas Airlangga, which was later rectified by the Decree of the Minister of Education and Culture No. 70539/A6.1/U/1993.

The faculty building was inaugurated on September 9, 1995, by the Rector, Prof. dr. H. Bambang Rahino Setokoesoemo, with a land area of 18,947,930 m² and a building area of 11,695,551 m² (3 floors) at Campus C, Mulyorejo Street, Surabaya (previously occupying the Basic Natural Science (BNS) building at Campus A Mayjen Prof. Dr. Moestopo Street).

Since the Faculty was founded, the names of the Deans from the beginning to the present are as follows:

1. Prof. Dr. Rika Subarniati, dr., S.K.M.
   Period of 1994–1997 and 1997–2000
2. Prof. Dr. Tjipto Suwandi, M.OH., dr., Sp.OK.
   Period of 2000–2004, extended to 2007
3. Prof. Dr. J. Mukono, dr., M.S., M.P.H.
   Period of 2007–2010
4. Prof. Dr. Tri Martiana, dr., M.S.
   Period of 2010–2020
5. Dr. Santi Martini, dr., M.Kes.
   Period of 2020–present

1.1.2 The History of the Bachelor Program in Public Health

The Bachelor Program in Public Health, organized by the Faculty of Public Health, was initially administered by the Faculty of Medicine as the Bachelor Program in Public Health Science. It was opened in 1984, according to the Decree of the Director General of Higher Education of the Department of Education and Culture No. 117/DIKTI/Kep/1984, dated September 24, 1984. The Coordinator position for the Bachelor Program in Public Health Science, Faculty of Medicine, Universitas

Airlangga, was occupied by Prof. Dr. Sabdoadi, M.P.H. (from 1984 to 1991). Then it was held by Prof. dr. Soeprapto As., D.PH. (from 1991 to 1993).

At its inception in 1984, the Bachelor Program in Public Health only accepted students who graduated from a linear 3-Year Associate Program in Health from 3 (three) academies under the Department of Health: the Academy of Nutrition, Academy of Nursing, and Academy of Health Inspector or Academy of Environmental health. The students should have also been working for a minimum of 2 (two) years.

Furthermore, to increase its capacity and improve its education quality, the Bachelor Program in Public Health FKM Unair also accepted graduates from 3-Year Associate Programs in Industrial Hygiene and Occupational Health and Safety, as well as from non-linear health academies, such as the Academy of Anesthesia, Academy of Midwifery, Academy of Refractionist or Opticians, Radiology, Dental Health Engineering, Physiotherapy, and Medical Analyst, with the pre-program certificate issued by FKM Unair. They were educated in 4 (four) semesters or 2 (two) years to earn the Bachelor's Degree in Public Health.

The opening of the faculty required it to accept senior high school graduates. Therefore, in 1985, the Bachelor Program in Public Health at the Faculty of Medicine, Universitas Airlangga, started to take students graduating from senior high schools through the New Student Admission Selection (Sipenmaru), besides the particular selection of students graduating from the Associate Program. The particular selection was conducted in collaboration with the Bachelor Programs in Public Health in five universities in Indonesia: Universitas Indonesia, Jakarta; Universitas Diponegoro, Semarang; Universitas Airlangga, Surabaya; Universitas Hasanudin, Makasar, and the Department of Health of the Republic of Indonesia.

According to the Decree of the National Accreditation Board for Higher Education (BAN-PT) of the Department of Education and Culture No. 001/BAN-PT/Ak-1/VIII/1998, dated August 11, 1998, regarding the Result and Ranking of Bachelor Program Accreditation, the Bachelor Program in Public Health, FKM Unair, was accredited A.

The study programs ranked A and B must be re-evaluated no later than five years from the accreditation date. After re-accredited, according to the Decree of BAN-PT of the Department of National Education No. 022/BAN-PT/Ak-VIII/ S1/VI/2004, dated June 17, 2004, regarding the Result and Ranking of Bachelor Program Accreditation, the Bachelor Program in Public Health, FKM Unair, was ranked B. However, in 2009, the Bachelor Program in Public Health, FKM Unair, was accredited A again according to the Decree of BAN-PT of the Department of National Education No. 462/SK/BAN-PT/Akred/S/XII/2014, dated December 8, 2014.

1.1.3 The History of Bachelor Program in Nutrition

Rapid nutrition science advancement and development is in line with medical and health science development. The nutrition science institution, which was formerly started with the 1-Year Associate Degree, has expeditiously advanced following health development until the Bachelor and Doctoral Degrees. The requirement of nutrition science development is not only limited to the academic but also to the professional levels. This indicates the increasing standard of health services and quality and the growing complexity of health problems related to food and nutrition faced by human beings in the following decades.

Likewise, in Indonesia, the Indonesian government's commitment to promoting the welfare of its citizen manifests in the form of health improvement, which also covers nutrition. It is proven by determining nutrition status improvement as one of the priorities in the 2010-2014 Health Development. The objective is to reduce malnutrition prevalence based on the 1996 Declaration of the World Food Summit as outlined in the 2015 Millennium Development Goals (MDGs). The nutrition status improvement endeavors are also based on the Law No. 36 of 2009 on Nutrition, specifically on Article 141, Paragraph 1, stating that efforts are taken to improve individual and community nutrition quality. One of the critical factors influencing the success of nutrition improvement is the condition of the existing nutrition professionals.

Challenges related to the nutrition professionals factor comprise insufficiency of the total nutrition professionals and incompatibility between the nutrition professionals' competence and the program developed or the problem encountered. As one of leading Indonesia's higher education institutions, FKM Unair is expected to substantially contribute to the country by fulfilling the qualified nutrition professionals who can provide alternative strategies to deal with and solve complex nutrition-related community health problems. Consequently, it is necessary to strive for the inception of the Bachelor Program in Nutrition to arrange and accelerate the fulfillment of the nutrition professionals' requirements.

Therefore, the Bachelor Program in Nutrition was established in April 2013 according to the Decree of the Rector of Universitas Airlangga No. 6093/UN3/KR/2013, dated April 15, 2013.

1.2 VISION, MISSIONS, AND OBJECTIVES

1.2.1 Vision, Missions, and Objectives of the Faculty of Public Health

1. Vision

The vision of the Faculty of Public Health is to become an independent, innovative, and outstanding pioneer and reference center for public health education institutions, excellent research, and community services that create significant impacts on the quality of human life at local, national, and international levels based on good-quality human resource and religious morality**.**

2. Missions

The missions of the Faculty of Public Health are:

1. To implement accountable, innovative, and integrated information technology-based education management as part of the SMART University.
2. To organize modern learning technology and digitalization-based academic and professional education.
3. To conduct top-quality education based on 3L (data, technology, and human literacies), 6C (computational thinking, critical thinking, communication, collaboration, creativity, and compassion), evidence-based learning processes, and student-centered learning methods and concepts.
4. To conduct excellent research and publish it in national and international reputable scientific journals.
5. To perform research-based community services to solve local, national, and international community health problems to establish Sustainable Development Goals (SDGs).
6. To build networks and partnerships through Penta helix-based Global Mobility with alumni, academic institutions, industries, professionals, governments, and national and international organizations.

3. Objectives

The objectives of the Faculty of Public Health are:

1. To generate academic and professional Public Health and Nutrition Program graduates who are innovative, proactive, professional, and highly adaptable to digitalization.
2. To produce research supporting health sciences and technology development conducted by the lecturers and students.
3. To apply Public Health and Nutrition science and technology in community service activities.
4. To manage effective, efficient, continuous, and competitive learning processes in a conducive academic atmosphere.
5. To conduct education that concerns labor market requirements and pays attention to access and equity.

6. To provide human resources adaptable to the accountable, innovative, and integrated digital-based public health science development and technology advancement.
7. To establish networks and partnerships through Penta helix-based Global Mobility with alumni, academic institutions, industries, professionals, governments, and national and international organizations.

1.2.2 Vision, Missions, and Objectives of the Bachelor Program in Public Health

1. Vision

The vision of the Bachelor Program in Public Health is to become a leading Bachelor Program in Public Health that produces innovative, proactive, and professional graduates in public health at local, national, and international levels with respect to the religious morality.

2. Missions

The missions of the Bachelor Program in Public Health are:

1. To organize academic education based on modern learning technology.
2. To conduct top-quality education based on evidence-based learning processes.
3. To conduct public health research and community services at local, national, and international levels.
4. To implement education management based on RAISE plus (Relevancy, Academic Atmosphere, Internal Management and Organization, Sustainability, Efficiency, and Productivity) and Leadership, Access, and Equity.
5. To form networks and partnerships with industries, governments, and national and international organizations.

3. Objectives

1. To produce innovative, proactive, professional, and qualified academic graduates in Public Health.
2. To create graduates with the following abilities:
    a. Applying public health knowledge through promotive and preventive approaches, leadership, practical communication skills, and critical thinking in the system context.
    b. Managing health organization and system.
    c. Making health policy analysis.
    d. Developing community empowerment, social support, networking, and accessibility.
    e. Assessing health status based on data, information, and health indicators for

decision-making.

f. Conducting public health research.
g. Producing research supporting health sciences and technology development conducted by the lecturers and students.
h. To apply public health science and technology in community service activities.
i. To manage effective, efficient, continuous, and competitive learning processes in a conducive academic atmosphere.
j. Conducting education that concerns labor market requirements and pays attention to access and equity.

3. To provide human resources adaptable to public health science development and technological advancement.
4. To establish partnership with supportive stakeholders at national and international levels.

1.2.3 Vision, Missions, and Objectives of the Bachelor Program in Nutrition

1. Vision

The vision of the Bachelor Program in Nutrition is to become an excellent Bachelor Program in Nutrition that generates highly competitive human resources at national and international levels in nutrition.

2. Missions

The missions of the Bachelor Program in Nutrition are:

1. To organize and develop innovative, entrepreneurial-minded, and religious morality-based education, research, and community services.
2. To become the reference center for nutrition education in the eastern part of Indonesia.
3. To become the center of urban nutrition studies at regional, national, and international levels.
4. To increase the quality and quantity of human resources in nutrition science and technology development.
5. To build networks and partnerships in nutrition at the local, regional, national, and international levels.

3. Objectives

The objectives of the Bachelor Program in Nutrition are:

1. To produce innovative, proactive, and professional graduates in Nutrition.
2. To conduct nutrition research supporting health science and technology

development conducted by the lecturers and students.
3. To apply nutrition science and technology in community service activities.
4. To manage effective, efficient, continuous, and competitive learning processes in a conducive academic atmosphere.
5. To provide human resources adaptable to the nutrition science development and technological advancement.
6. To establish partnerships with supportive stakeholders at national and international levels.

1.3 ACADEMIC FACILITIES

1. Classrooms and practicum laboratories are located in FKM Unair, other faculties, hospitals, and other learning facilities within Universitas Airlangga, depending on the necessities.
2. Technical Implementation Unit (UPT). Campus libraries (at campuses A, B, and C) and FKM Unair's Reference Collection are supporting facilities for the teaching and learning process. In addition, other libraries with more extensive and comprehensive collections and institutional libraries concerning public health are suggested to use.
3. Audio Visual Aid (AVA), Occupational Health and Safety, Environmental Health, Health Nutrition, Organoleptic, Food Processing, Anthropometry, Food Biochemistry, Epidemiology, and Computer Laboratories.
4. Fieldwork sites serve the Bachelor Program in Public Health students to conduct fieldwork as a mandatory activity to observe and solve community health problems using theoretical knowledge.

1.4 STUDENT ACTIVITIES

The following student and intra-campus organizations facilitate student activities to develop leadership, organizational, and practical skills:

a. Student Executive Board (BEM)

BEM is an executive institution at the university or faculty level that classifies as an intra-campus organization. BEM FKM, as the Faculty-Student Executive Board, has several departments and Student Associations (HIMA) that support program implementation

b. Student Representative Council (BLM)

BLM is a legislative institution at the university level that represents all students with its set of duties and authorities. BLM carries out its legislative function to exercise control over the performance of BEM. BLM is also assigned to advocate

student aspirations for the faculty in creating coordination of the learning process.

c. Student Association of Study Programs (Himaprodi)

Himaprodi is a student organization at the study program level. It plays a vital role in discovering and collecting students' potential, capturing their aspirations, and stimulating their creativity in the study program.

1) Extracurricular Activities

1. The Reasoning Club covers several activities, including scientific research workshop, panel discussion, interactive discussion, Student Paper Competition (LKTM), Student Management Skills Training (LKMM), Student Creativity Programs (PKM), poster competition, journalism workshop, the Most Outstanding Student Award, Public Health Competition for high school students nationwide, TOEFL preparation class and test, seminar, and so forth.
2. The Interest and Talent Development Service comprises sports, such as volleyball, basketball, and futsal; arts, such as a choir, modern dance, and traditional dance; Dean's Cup Competition; and arts festival.
3. Community Services contain Community Development, comprising health education and workshop activities for communities nearby the campus, and *Grebek Kampung*, covering full-day regular health education activities.
4. Spiritual Life includes the activities such as Grand Recitation (*Pengajian Akbar*), Ramadan Mubarak activities, Christmas celebrations, and so on.
5. External Affairs offers the activities such as the National Work Meeting of the Indonesian Public Health Student Senate Association (ISMKMI), the National Conference of the Indonesian Nutrition Student Association (ILMAGI), the Indonesian Health Students Association (JMKI), and monthly group discussions.
6. Entrepreneurship manifests through the activities such as Entrepreneurship Workshop and Practice by organizing bazaars and exchange activities.

2) Services and Other Facilities at the Faculty and the University

1. Sport facilities
2. Cafetaria
3. Nurul Affiah musalla
4. Ulul Azmi and Nuruz Zaman mosques
5. Health Service Center (PLK)
6. Student centers
7. Dormitory
8. Shuttle bus

9. Help center
10. Joint Lecture building
11. Campus A, B, and C libraries

3) Supporting Facilities

1. Universitas Airlangga Cyber Campus (UACC)
2. Reference Collection managed by the Reading Room
3. Health Studies Unit
4. Self-access learning center
5. Wi-Fi (the internet)
6. HEBAT e-learning
7. Nursing room

CHAPTER II
ORGANIZATIONAL STRUCTURE

2.1 ORGANIZATIONAL STRUCTURE OF THE FACULTY OF PUBLIC HEALTH UNIVERSITAS AIRLANGGA

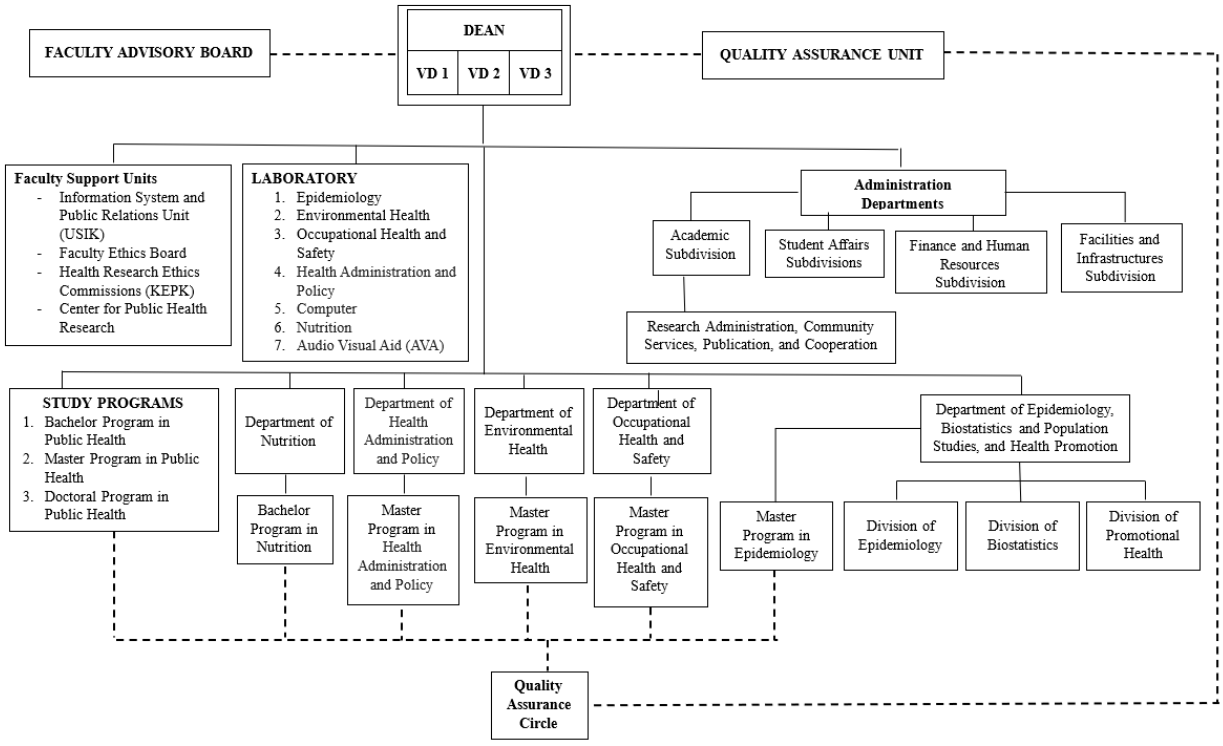


Figure 2.0.1 Organizational Structure of the Faculty of Public Health Universitas Airlangga

Description:
Command Line _____
Coordination Line ----------

Division I : Academic and Student Affairs

Division II : Human Resources and Finance

Division III : Information System, Cooperation, and Development

The organizational structure of the Faculty of Public Health Universitas Airlangga (FKM Unair) comprises of:

1. Structural Officials of the Faculty:
    a. Dean
    b. Vice Dean I for Academic and Student Affairs
    c. Vice Dean II for Human Resources and Finance
    d. Vice Dean III for Information System, Alumni, and Cooperation
2. Administrative Staff:
    a. Academic Division
        – Academic Subdivision
        – Student Affairs Subdivision
    b. Human Resources Division
        – Finance and Human Resources Subdivision
        – Facilities and Infrastructures Subdivision
3. Information System and Public Relations Unit (USIK)
4. Supporting Units:
    a. Health Studies Unit (UKAKES)
    b. Quality Assurance Unit
    c. Curriculum Team
    d. Self-Evaluation Team
    e. Freedom of Learning–Independent Campus (MBKM) Program Conversion Team
5. Academic Administrators:
    a. Department of Epidemiology, Biostatistics and Population Studies, and Health Promotion
        1) Division of Epidemiology
        2) Division of Biostatistics and Population Studies
        3) Division of Health Promotion and Behavioral Science
    b. Department of Environmental Health
    c. Department of Occupational Health and Safety
    d. Department of Health Administration and Policy
    e. Department of Nutrition
6. Supporting Elements:
    a. Epidemiology Laboratory
    b. Environmental Health Laboratory
    c. Occupational Health and Safety Laboratory
    d. Computer Laboratory
    e. Nutrition (Anthropometry, Biochemistry, Organoleptic, Food Processing) Laboratory
    f. Audio Visual Aid (AVA) Laboratory

g. Reference Collection and Information Service

7. Study Programs of FKM Unair:
    a. a. Bachelor Programs (S1)
        1) Bachelor Program in Public Health
        2) Bachelor Program in Nutrition
    b. Master Programs (S2)
        1) Master Program in Public Health
        2) Master Program in Health Administration and Policy
        3) Master Program in Occupational Health and Safety
        4) Master Program in Environmental Health
        5) Master Program in Epidemiology
    c. Doctoral Programs (S3)
        1) Doctoral Program in Public Health

CHAPTER III

GRADUATE COMPETENCE

3.1 THE COMPETENCE OF THE BACHELOR PROGRAM IN PUBLIC HEALTH GRADUATES

Graduate Competences to be achieved are as follows:

3.1.1 Key Competences and Learning Outcomes

Under the Minister of Education and Culture Regulation No. 3 of 2020 on the National Standards for Higher Education and the 2021 Curriculum Document of the Bachelor Program in Public Health, learning outcomes include attitudes, knowledge, and general and specific skills components.

A. Attitudes

Each graduate of the Bachelor Program in Public Health must display the following attitudes:

1. showing obedience and religious attitudes towards God Almighty;
2. upholding human values in discharging duties based on religions, morals, and ethics;
3. contributing to the life quality improvement of the society, nation, and state lives and the civilization development based on the state ideology of Pancasila;
4. showing patriotism, nationalism, and a sense of responsibility to the state and nation;
5. appreciating the diversity of cultures, views, religions and beliefs, and opinions or findings;
6. collaborating with and having social sensitivity and sympathy for the community and environment;
7. obeying the law and being disciplined in living the nation and state lives;
8. internalizing academic values, norms, and ethics;
9. taking responsibility for their expertise;
10. internalizing the spirit of independence, struggle, and entrepreneurship; and
11. striving for excellence based on religious morality (excellence with morality).

B. General Skills

Each graduate of the Bachelor Program in Public Health should acquire the following general skills:

1. applying logical, critical, systematic, and innovative thinking in the science and technology development or implementation that concerns and applies humanities value based on their expertise;
2. showing independent, excellent, and measurable performances;
3. studying the implications of the science and technology development or implementation that concern and apply humanities values based on their

expertise by considering the scientific principles, procedures, and ethics to produce solutions, ideas, and designs or art criticism;
4. compiling a scientific description of the study results in the form of a thesis or final project report and upload it on the University website;
5. making appropriate decisions based on the information and data analysis results to solve problems related to their areas of expertise;
6. maintaining and managing networks with supervisors, colleagues, and co-workers inside and outside of work;
7. being responsible for teamwork achievement as well as supervising and evaluating the completion of the assigned work in their team;
8. conducting self-evaluation process for the team and arranging independent learning; and
9. documenting, storing, securing, and retrieving data to ensure validity and prevent plagiarism.

C. Knowledge

Each graduate of the Bachelor Program in Public Health must gain the following knowledge:

1. Mastering the public health science skills
2. Integrating public health principles in the management of health efforts in the tropics

D. Specific Skills

Each graduate of the Bachelor Program in Public Health must have the following specific skills:

1. Situational analysis and assessment
2. Policy development and program planning
3. Effective communication
4. Cultural competence
5. Community empowerment
6. Financial planning and management
7. Leadership and systems thinking

3.2 THE COMPETENCE OF THE BACHELOR PROGRAM IN NUTRITION GRADUATES

Each graduate of the bachelor Program in Nutrition must acquire the following five competence aspects:

1. Making appropriate decisions on the individual, group, and community nutritional status and food security assessment (the nutritional assessment skills) **(the decision-maker profile)**
   1) Conducting nutritional status assessment utilizing anthropometry and dietetics methods
   2) Conducting nutritional status assessment employing biochemistry and clinical methods
   3) Conducting food security assessments at individual, domestic, and regional levels

2. Conducting nutrition services and interventions for individuals, groups, and communities through cross-sector, cross-disciplinary, and cross-professional partnerships to solve nutrition problems (the nutritional interventions and food services skills) **(the manager or care provider profile)**
   1) Arranging a healthy balanced diet according to the needs of different age classifications and physiological conditions of each life cycle
   2) Designing food formulation to handle (intervention) food and nutritional problems
   3) Planning and preparing diets for infectious and deficiency disease conditions
   4) Planning and preparing diets for degenerative disease conditions
   5) Conducting nutrition education employing target-based media and methods
   6) Designing the food and nutrition services industry as well as managing human resources and food production facilities based on the nutrition guidelines, costs, and clients' acceptance
   7) Providing dietetics consultation related to urban community health problems and nutritional needs
   8) Applying food and nutrition skills and knowledge in entrepreneurial activities

3. Conducting research and discovering nutrition science and technology development updates (the research and appraisal skills) **(the researcher profile)**
   1) Conducting independent research and writing an undergraduate thesis based on the scientific writing rules
   2) Demonstrating the nutrient analysis based on the appropriate procedures

3) Demonstrating complete and appropriate Hazard Analysis and Critical Control Points (HACCP) in food and nutrition services
4) Thinking based on the correct scientific basis
5) Studying updated bioethical issues
6) Utilizing statistical and nutritional software for data analysis following the procedures
7) Presenting research results on nutrition education materials and cases in English
8) Publishing the written form of scientific studies obtained from the field research results in both national and international journals

4. Conducting advocacy activities in solving nutritional problems (the advocacy skills) **(the communicator profile)**
   1) Evaluating nutrition programs related to the major nutritional disorders in
   2) Indonesia, such as protein-energy undernutrition, iodine deficiency disorders, anemia, and vitamin A deficiency
   3) Linking economic and nutritional factors in nutrition improvement programs and calculating the cost-effectiveness of the nutrition projects and programs
   4) Effectively communicating the nutrition education materials and cases in various communication media

5. Being responsible for both independent work and teamwork results in creating works in nutrition as well as being critical and empathetic to clients and team members at the internal and external levels of the organization **(the community leader profile)**
   1) Reporting accurate nutritional problem studies in the form of reports or work papers
   2) Collaborating with other health professionals in providing integrated nutrition services to the community

CHAPTER IV
CURRICULUM

4.1 EDUCATION SYSTEM OF THE FACULTY OF PUBLIC HEALTH UNIVERSITAS AIRLANGGA

4.1.1 Definition

1. **The Definition of the Bachelor of Public Health (S.K.M.)**
   a. The Bachelors of Public Health are graduates of the Bachelor Program in Public Health who have taken 146 credits for those graduating from senior high schools (SMA).
   b. They are health program managers directed to solve public health problems using a multidisciplinary approach.
   c. They are eligible to pursue the next level of higher education, be it a Professional Program or Master's Program to acquire higher level expertise, competencies, and capabilities.

2. **The Definition of the Bachelor of Nutrition (S.Gz.)**
   a. The Bachelors of Nutrition are graduates of the Bachelor Program in Nutrition who have taken 146 credits.
   b. They are eligible to pursue the next level of higher education, be it a Professional Program or Master's Program to acquire higher level expertise, competencies, and capabilities.

4.1.2 Purpose of Education

1. **The educational purposes of the Bachelor Program in Public Health**
   1) To produce innovative, proactive, professional academics and professional graduates in Public Health.
   2) To create research supporting health science and technology development by the lecturers and students.
   3) To apply public health science and technology in community service activities.
   4) To manage effective, efficient, continuous, and competitive learning processes in a conducive academic atmosphere.
   5) To conduct education that concerns labor market requirements and pays attention to access and equity.
   6) To provide human resources adaptable to public health science development and technological advancement.
   7) To establish partnerships with supportive stakeholders at national and

international levels.

2. **The education purposes of the Bachelor Program in Nutrition**
   1) To produce innovative, proactive, and professional graduates in Nutrition.
   2) To conduct nutrition research supporting health science and technology development conducted by the lecturers and students.
   3) To apply nutrition science and technology in community service activities.
   4) To manage effective, efficient, continuous, and competitive learning processes in a conducive academic atmosphere.
   5) To provide human resources adaptable to the nutrition science development and technological advancement.
   6) To establish partnerships with supportive stakeholders at national and international levels.

4.1.3 Guidelines for the Implementation of Education in the Faculty of Public Health

The implementation of education to achieve educational purposes has to adhere to the following guidelines:

1. National educational goals
2. Rules, morals, and ethics of science
3. Community interests with regarding personal interests, abilities, and initiatives

4.2 STUDY PROGRAM STRUCTURE

The Structure of the Bachelor Program in the Faculty of Public Health

1. Law on the National Education System No. 20 of 2003 (State Gazette No. 78 of 2003), dated July 8, 2003
2. Law on the Higher Education No. 12 of 2012 (State Gazette No. 158 of 2012), dated August 10, 2012
3. Government Regulation of Higher Education No. 60 of 1999 (State Gazette No. 115 of 1999), dated June 24, 1999
4. Decree of the Minister of Education and Culture No. 0372/O/1993 and The Revision No. 70539/A6.1/U/1993 on The Opening of the Faculty of Public Health and the Faculty of Psychology Universitas Airlangga, in relation with the Decree of the Minister of Education No. 0192/O/1995, and further to be regulated by the Decree of the Minister of Education No. 0276/O/1996, dated September 12, 1996, on the Organization and the Work Procedures of Universitas Airlangga
5. Decree of the Minister of Education No. 232/U/2000, dated December 20, 2000, on the Guidelines for Higher Education Curriculum Development and Learning Outcomes Assessment

6. The Education Guidelines of Universitas Airlangga

4.3 GENERAL PROVISIONS OF THE EDUCATION PROCESS

4.3.1 Academic Administration

1. The Academic Administration of the Bachelor Program in Public Health

a. Provisions on the teaching and learning process

1) The learning methods utilized in FKM Unair include:
   1. Lectures and Practicums
   2. Fieldwork (PKL)
   3. Community Services or Community Outreach Programs (KKM-BBM)
   4. Internships
   5. Final Project Writing
2) Academic activities are organized in a programmed system comprising courses that the students must take with a total of 116 credits in Semesters 1-5 and 30 credits in the minor system in Semesters 6-8. The students can also take cross-discipline courses as their minor electives. Minor elective courses will only be run with a minimum of 10 and a maximum of 50 students. Only one class is arranged for this minor elective course.
3) The Bachelor Program in Public Health offers 8 (eight) minors:
   1. Minor in Health Administration and Policy
   2. Minor in Biostatistics and Population Studies
   3. Minor in Epidemiology
   4. Minor in Health Nutrition
   5. Minor in Environmental Health
   6. Minor in Occupational Health and Safety
   7. Minor in Reproductive Health and Maternal and Child Health
   8. Minor in Health Promotion and Behavioral Science

   Minors are selected based on the cumulative GPA from Semester 1-5. The selection is made at the end of Semester 5. The quota of each minor is determined based on the number of lecturers in every minor.

b. Academic Advising

Academic advising activities are conducted in two ways:

1) The University conducts the New Student Orientation programs. After registering at the University, students receive an explanation about the education system implementation from the Dean or the Vice Dean I for Academic and Student Affairs.
2) Academic advisors provide the advising, particularly in arranging the student-programmed courses in online Course Selection Sheet (KRS) via

the Cyber Campus. Other than that, they also offer the students advice to overcome their academic difficulties.

2. **The Academic Administration of the Bachelor Program in Nutrition**
   a. Provisions on the teaching and learning process
      1) The learning methods utilized in the Faculty of Public Health comprise:
         1. Lectures, Practicums, and Tutorials
         2. Community Services or Community Outreach Programs (KKN-BBM)
         3. Fieldwork (PKL), which includes Food Service Management, Dietetics, and Community Nutrition.
         4. Food and Nutrition Entrepreneurship Practicum
         5. Thesis Writing
      2) Academic activities are organized in a programmed system consisting of 146 credits required to be taken by the students in Semesters 1-8.
   b. Academic Advising

      Academic advising activities are conducted in two ways:
      1) The University conducts the New Student Orientation programs. After registering at the university, students receive an explanation about the education system implementation from the Dean or the Vice Dean I for Academic and Student Affairs.
      2) Academic advisors provide the advising, particularly in arranging the student-programmed courses in online Course Selection Sheet (KRS) via the Cyber Campus before the semester begins. Other than that, they also offer the students advice to overcome their academic difficulties. The academic advisors must provide academic advising at least 3 (three) times per semester.

4.3.2 Duration of Education

a. The regular academic period ends at a maximum of 14 semesters for an eight-block academic year (excluding the academic leave period) starting from the first day of the new students' enrollment.
b. Academic leave is a period for which students are released from the obligation to undertake academic activities as long as they have obtained permission from the Dean or the Vice Dean I, with legal approval from the Rector of Universitas Airlangga. Only students studying for 4 (four) consecutive semesters are granted academic leave permission. The academic leave is only allowed for a maximum of 2 (two) semesters that are not in a row. During the academic leave, the students continue to pay the tuition fee, and the academic leave is not counted as a study period. Semesters in which the Rector legally permits a student to take academic leave shall not be counted

toward their study period.

c. The students whose leave exceeds the permitted period of the approved academic leave are considered to fail in the study. Absence dismissal results from attendance problems. The students who fail to comply with the stated study period result in expulsion from FKM Unair. The decisions to terminate their studies are stipulated in the Rector's decree and based on the Dean's recommendation.

4.4 CURRICULUM

4.4.1 Group of Courses for the Bachelor Program in Public Health

Compulsory Courses

1. University Compulsory Courses : 20 credits
2. Study Program Compulsory Courses : 96 credits

Total : 116 credits

Minor Courses

3. Minor Compulsory Courses : 28 credits
4. Minor Elective Courses (Cross-Discipline) : 2 credits

Total : 30 credits

The number for the Bachelor Program in Public Health is **146 credits**, covering 104 credits of compulsory courses and 42 credits of minor courses.

4.4.2 The curriculum structure of the Bachelor Program in Public Health

The curriculum of the Bachelor Program in Public Health, FKM Unair, is prepared per semester with consecutive courses from Semesters 1-8. It will later be used as the number of courses included in the course description. Table 4.1 displays the courses offered by the Bachelor Program in Public Health.

Table 4.11 List of Courses for the Bachelor Program in Public Health

No.	Course		Component Category (a, b, c, d)	Credits		
	Code	Name		Lecture	Practicum	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)
SEMESTER 1						
1	AGB10	Buddhism I	a	2		2
	AGC101	Confucianism I				
	AGH101	Hinduism I				
	AGI101	Islam I				

No.	Course		Component Category (a, b, c, d)	Credits		
	Code	Name		Lecture	Practicum	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)
	AGK101	Catholicism I				
	AGP101	Protestantism I				
2	BAI101	Indonesian	a	2		2
3	BIF113	Biomedical Sciences I	b	3		3
4	ETM101	Health Law and Ethics	b, c	2		2
5	NOP103	Pancasila	a	2		2
6	KMU101	Introduction to Public Health Science	b	2		2
7	NOP104	Civics	a	2		2
8	SIP107	Data and Literature	a	2		2
9	KMU103	Health Communication and Basic Health Services	c	2		2
Subtotal credits for Semester 1				**19**		**19**
SEMESTER 2						
10	KME201	Principles of Epidemiology	b	2		2
11	KMA101	Health Administration and Policy	a, b, c	2		2
12	KMD104	Population Studies	b, c	2		2
13	BIF114	Biomedical Sciences II	b	3		3
14	EDM305	Health Promotion and Education	b	2		2
15	SOS320	Medical Sociology and Anthropology	b	3		3
16	PHP103	Logical and Critical Thinking	a	2		2
17	KMU103	Communication and Self-Development	a	2		2
18	MNM107	Introduction to Scientific Collaboration	d	2		2
Subtotal credits for Semester 2				**20**		**20**
SEMESTER 3						
19	MAS111	Principles of Biostatistics	b, c	2		2
20	KME302	Epidemiology of Communicable Diseases	b	2		2
21	SOK207	Public Health Communication	b, d	3		3
22	KMA205	Principles of Hospital and Community Health Center	b, c	2		2

No.	Course		Component Category (a, b, c, d)	Credits		
	Code	Name		Lecture	Practicum	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)
		Administration				
23	PSK204	Public Health Group Development	b	2		2
24	LKM206	Principles of Environmental Health	b, c	2		2
25	KMK217	Principles of Occupational Health and Safety	a, b	2		2
26	KMD105	Community Reproductive Health	b, c	2		2
27	NUM101	Principles of Nutrition Science	b	2		2
28	AGB401	Buddhism II	a, b	2		2
	AGC401	Confucianism II				
	AGH401	Hinduism II				
	AGI401	Islam II				
	AGK401	Catholicism II				
	AGP401	Protestantism II				
Subtotal credits for Semester 3				**21**		**21**
SEMESTER 4						
29	PSK205	Community Empowerment in Health I	b	2		2
30	SII310	Health Information Systems (HIS)	b, c	2		2
31	KME204	Public Health Surveillance (Integrated)	b	3		3
32	MNM404	Human Resource Management and Productivity in Healthcare	b	2		2
33	KME303	Epidemiology of Non-Communicable Diseases	b	2		2
34	MNM309	Leadership and Thinking Systems in Public Health	a, b, c	2		2
35	LKM316	Environmental Quality Analysis	b, c	2		2
36	MAS233	Inferential Biostatistics	b, c	2		2
37	MNW302	Integrated Entrepreneurship	a, b, c	2		2
38	NUM301	Introduction to Public Health Nutrition	b	2		2
Subtotal credits for Semester 4				**21**	**0**	**21**
SEMESTER 5						
39	PNM405	Methodology of Quantitative and Qualitative Research	b	3		3

No.	Course		Component Category (a, b, c, d)	Credits		
	Code	Name		Lecture	Practicum	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)
40	SOK326	Basics in Media Communication, Information, and Education	b	2		2
41	EKH301	Health Economics	b	3		3
42	KME419	Extreme Events and Disaster Management (Integrated)	b, c	2		2
43	KLM303	Fieldwork	a, b	6		6
44	MNS103	Public Health Program Planning and Evaluation (Integrated) (Practicum)	a, b, c		3	3
45	SIK302	Public Health Computer Applications (Practicum)	b, c		2	2
46	BAE115	English for Public Health	b	2		2
Subtotal credits for Semester 5				**18**	**5**	**23**
SEMESTER 6						
1. Minor in Health Administration and Policy						
COMPULSORY COURSES						
47	KNM401	Community Services	a, b	3		3
48	MNK103	Health Financing and Budgeting	b	2		2
49	PSO306	Organization Development	b, c	2		2
50	MNS315	Healthcare Management Techniques and Tools	b	4		4
51	MNS316	Community Health Center Management	a, b, c	2		2
52	MNS317	Hospital Management	a, b, c	2		2
53	MNS310	Quality Management in Health Services	b, c	2		2
54	MNS311	Logistic Management for Medicine, Equipment, and Healthcare Facility	b, c	2		2
Subtotal credits for the Minor in Health Administration and Policy				**19**		**19**
2. Minor in Biostatistics and Population Studies						
COMPULSORY COURSES						
47	KNM401	Community Services	a, b	3		3
48	MNK103	Health Financing and Budgeting	b	2		2
55	MAS208	Parametric Biostatistics	b, c	3		3
56	MAS322	Biostatistics for Semiquantitative	b, c	2		2

No.	Course		Component Category (a, b, c, d)	Credits		
	Code	Name		Lecture	Practicum	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)
		Data				
57	MAS323	Biostatistics for Categorical Data	b, c	2		2
58	PNM406	Health Research Design	b, c	2		2
59	KMD312	Demographic Techniques	b, c	2		2
60	KMD305	Maternal Health and Safety	b, c	2		2
61	KMD316	Population Fertility and Family Planning	b, c	2		2
Subtotal credits for the Minor in Biostatistics and Population Studies				**20**		**20**
3. Minor in Reproductive Health and Maternal and Child Health						
COMPULSORY COURSES						
47	KNM401	Community Services	a, b	3		3
48	MNK103	Health Financing and Budgeting	b	2		2
62	KMD303	Child Survival	b, c	2		2
63	KMD304	Adolescent Sexual and Reproductive Health	b, c	2		2
60	KMD305	Maternal Health and Safety	b, c	2		2
64	KMD306	Population Fertility and Family Planning	b, c	2		2
65	KMD307	Mortality	b, c	2		2
66	KMD313	Workers Sexual and Reproductive Health	b, c	2		2
67	KMD314	Elderly Sexual and Reproductive Health	b, c	2		2
Subtotal credits for the Minor in Reproductive Health and Maternal and Child Health				**19**		**19**
4. Minor in Epidemiology						
COMPULSORY COURSES						
47	KNM401	Community Services	a, b	3		3
48	MNK103	Health Financing and Budgeting	b	2		2
68	KME422	Health Measurement	b, c	2		2
69	KME426	Epidemiology of Prevention and Control of Cardiovascular Diseases and Strokes	b	3		3
70	KME417	Epidemiological Research	a	2		2
71	KME407	Epidemiology of Tropical Diseases	b, c	3		3

No.	Course		Component Category (a, b, c, d)	Credits		
	Code	Name		Lecture	Practicum	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)
72	KME420	Epidemiology of Accidents	b, c	2		2
73	KME403	Epidemiology of Cancers	b	3		3
Subtotal credits for the Minor in Epidemiology				**20**		**20**
5. Minor in Health Nutrition						
COMPULSORY COURSES						
47	KNM401	Community Services	a, b	3		3
48	MNK103	Health Financing and Budgeting	b	2		2
74	NUM404	Nutrition (Practicum)	b, c		2	2
75	NUM304	Food Technology and Nutrition	b, c	2		2
76	EDM401	Nutrition Education	b, c	3		3
77	KME406	Epidemiology of Nutrition	b, c	2		2
78	NUM318	Urban Nutrition	b, c	2		2
79	NUM401	Food Safety	b, c	2		2
Total credits for the Minor in Health Nutrition				**16**	**2**	**18**
6. Minor in Occupational Health and Safety						
COMPULSORY COURSES						
47	KNM401	Community Services	a, b	3		3
48	MNK103	Health Financing and Budgeting	b	2		2
80	KMK102	Occupational Safety	b, c	2		2
81	KMK101	Occupational Health	b, c	2		2
82	KMK214	Ergonomics and Work Physiology I	b, c, d	2		2
83	PSI307	Industrial Psychology	b, c	2		2
84	KMK106	Industrial Hygiene I	b, c, d	2		2
85	FAT304	Industrial Toxicology I	b, c, d	2		2
Subtotal credits for the Minor in Occupational Health and Safety				**17**		**17**
7. Minor in Environmental Health						
COMPULSORY COURSES						
47	KNM401	Community Services	a, b	3		3
48	MNK103	Health Financing and Budgeting	b	2		2
86	NUM102	Food Sanitation	b, c	2		2
87	LKM406	Control of Zoonotic Diseases	b, c, d	2		2

No.	Course		Component Category (a, b, c, d)	Credits		
	Code	Name		Lecture	Practicum	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)
88	LKM314	Field Instrumentation and Observation (Practicum)	b, c		3	3
89	LKM313	Water Management	b, c, d	2		2
90	LKM312	Waste Management	b, c, d	2		2
91	LKM309	Vector and Rodent Control	b, c, d	2		2
Subtotal credits for the Minor in Environmental Health				**15**	**3**	**18**
8. Minor in Health Promotion and Behavioral Science						
COMPULSORY COURSES						
47	KNM401	Community Services	a, b	3		3
48	MNK103	Health Financing and Budgeting	b	2		2
92	MNS312	Health Promotion Indicators and Measurements	b	2		2
93	SOK325	Health Promotion Media Development	b	3		3
94	PSC304	Health Psychology	b	2		2
95	EDM306	Health Promotion in Institutions (Practicum)	b		3	3
96	MNS313	Health Promotion Programs	b	3		3
Subtotal credits for the Minor in Health Promotion and Behavioral Science				**15**	b	**18**
SEMESTER 7						
1. Minor in Health Administration and Policy						
COMPULSORY COURSES						
97	PNM496	Research Methodology (Application and Practicum)	b, c, d		3	3
98	MNP309	Health Services Marketing	b	2		2
99	MNS407	Health Insurance	b, c, d	2		2
100	SII407	Health and Hospital Management Information System	b	2		2
101	KMA404	Health Policy Analysis	b, c	3		3
102	MNS408	Strategic Management in Healthcare	a, b, c	2		2
Subtotal credits				**11**	**3**	**14**
ELECTIVES						
		Minor Elective Course (Cross-Discipline)		2		2

No.	Course		Component Category (a, b, c, d)	Credits		
	Code	Name		Lecture	Practicum	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Subtotal credits for the Minor in Health Administration and Policy				**13**	**3**	**16**
2. Minor in Biostatistics and Population Studies						
COMPULSORY COURSES						
97	PNM496	Research Methodology (Application and Practicum)	b, c, d		3	3
103	SIK304	Biostatistics Computer Applications (Practicum)	b, c		2	2
104	SIK303	Population Analysis Computer Applications (Practicum)	b, c		2	2
105	PNM407	Sampling Techniques and Size Determination	b, c	2		2
106	SII314	Introduction to Geographic Information Systems	b, c	2		2
107	MAS623	Basics in Multivariate Analysis	b, c	2		2
		Subtotal credits		**6**	**7**	**13**
ELECTIVES						
		Minor Elective Course (Cross-Discipline)		2		2
Subtotal credits for the Minor in Biostatistics and Population Studies				**8**	**7**	**15**
3. Minor in Reproductive Health and Maternal and Child Health						
COMPULSORY COURSES						
97	PNM496	Research Methodology (Application and Practicum)	b, c, d		3	3
106	SII314	Introduction to Geographic Information Systems	b, c	2		2
108	KMD308	Sex, Gender, and Sexuality	b, c	2		2
109	KMD310	Techniques of Fertility, Family Planning, and Mortality Measurement	b, c	3		3
104	SIK303	Population Analysis Computer Applications (Practicum)	b, c		2	2
110	PNM409	Sampling Methods for Population Studies	b, c	2		2
Subtotal credits				**9**	**5**	**14**
ELECTIVES						
		Minor Elective Course (Cross-Discipline)		2		2
Subtotal credits for the Minor in Reproductive				**11**	**5**	**16**

No.	Course		Component Category (a, b, c, d)	Credits		
	Code	Name		Lecture	Practicum	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Health and Maternal and Child Health						
4. Minor in Epidemiology						
COMPULSORY COURSES						
97	PNM496	Research Methodology (Application and Practicum)	b, c, d		3	3
111	KME423	Risk and Disease Mapping	b, d	2		2
112	KME301	Epidemiology of Vaccine-Preventable Diseases	b	3		3
113	KME413	Data Management in Epidemiology (Practicum)	b, c		2	2
114	KME414	Health Screening	b	3		3
Subtotal credits				**8**		**13**
ELECTIVES						
		Minor Elective Course (Cross-Discipline)		2		2
Subtotal credits for the Minor in Epidemiology				**10**	**5**	**15**
5. Minor in Health Nutrition						
COMPULSORY COURSES						
97	PNM496	Research Methodology (Application)	b, c, d		3	3
115	NUM302	Nutrition and Food Service Management	b, c	2		2
116	NUM307	Current Nutrition Science and Technology	b, c	2		2
117	NUM216	Food Security	b, c, d	2		2
118	NUM209	Food and Nutrition Economics	b, c, d	2		2
119	NUM311	Nutrition and Productivity	b, c	2		2
120	SOA103	Nutritional Anthropology	b, c	2		2
Subtotal credits				**12**	**3**	**15**
ELECTIVES						
		Minor Elective Course (Cross-Discipline)		2		2
Subtotal credits for the Minor in Health Nutrition				**14**	**3**	**17**
6. Minor in Occupational Health and Safety						
COMPULSORY COURSES						
97	PNM496	Research Methodology (Application and Practicum)	b, c, d		3	3

No.	Course		Component Category (a, b, c, d)	Credits		
	Code	Name		Lecture	Practicum	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)
121	FAT305	Industrial Toxicology II	b, c, d	2		2
122	KMK202	Occupational Diseases	b, c	2		2
123	KMK310	Industrial Hygiene II	b, c, d	3		3
124	KMK312	Occupational Health and Safety Risk Management	b, c, d	2		2
125	KMK313	Occupational Health and Safety Implementation (Practicum)	b, c		2	2
126	KMK306	Ergonomics and Work Physiology II	b, c	2		2
		Subtotal credits		**11**	**5**	**16**
ELECTIVES						
		Minor Elective Course (Cross-Discipline)		2		2
Subtotal credits for the Minor in Occupational Health and Safety				**13**	**5**	**18**
7. Minor in Environmental Health						
COMPULSORY COURSES						
97	PNM496	Research Methodology (Application and Practicum)	b, c, d	3		3
127	LKM308	Environmental Sanitation	b, c	3		3
128	LKM310	Environmental Management	b, c	2		2
129	MNS404	Environmental Health Risk Assessment	b, c	3		3
130	KME425	Environmental Health Aspects in Disaster Management	b, c, d	2		2
131	FAT206	Environmental Toxicology	b, c, d	2		2
Subtotal credits				**12**	**3**	**15**
ELECTIVES						
		Minor Elective Course (Cross-Discipline)		2		2
Subtotal credits for the Minor in Environmental Health				**14**	**3**	**17**
7. Minor in Health Promotion and Behavioral Science						
COMPULSORY COURSES						
97	PNM496	Research Methodology (Application and Practicum)	b, c, d		3	3
132	SOK408	Integrated Health Marketing Communication	b	2		2

No.	Course		Component Category (a, b, c, d)	Credits		
	Code	Name		Lecture	Practicum	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)
133	EDM402	Health Politics	b	2		2
134	PSI407	Organizational Behavior	b	2		2
135	PSK303	Community Empowerment in Health II	b	3		3
136	SOS402	Social Determinants of Health	b	3		3
Subtotal credits				**12**	**3**	**15**
ELECTIVES						
		Minor Elective Course (Cross-Discipline)		2		2
Subtotal credits for the Minor in Health Promotion and Behavioral Science				**14**	**3**	**17**
SEMESTER 8						
137	KKM401	Internships	b, d	3		3
138	PNM499	Thesis	b, c	4		4
Subtotal credits for Semester 8				**7**		**7**
Total credits for the Bachelor Program in Public Health						

4.4.2 Group of Courses for the Bachelor Program in Nutrition

In general, the total credits of the Bachelor Program in Nutrition are 146 credits, comprising 142 credits of compulsory courses and 4 credits of elective courses.

Table 4.2 exhibits the details.

Table 4.2 Total Credits for the Bachelor Program in Nutrition

Course Category	Credits	Description
(1)	(2)	(3)
Compulsory Courses	142	-
Elective Courses	4	-
Total credits	146	

4.4.3 The curriculum structure of the Bachelor Program in Nutrition

a. The curriculum of the Bachelor Program in Nutrition

Table 4.3 demonstrates the courses offered per semester by the Bachelor Program in Nutrition.

Table 4.3 List of Courses for the Bachelor Program in Nutrition

No.	Course		Component Category (a, b, c, d)	Credits		
	Code	Name		Lecture	Practicum	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Semester 1						
1	AGB10 AGC101 AGH101 AGI101 AGK101 AGP101	Religion I	a	2	0	2
2	NOP102	Pancasila	a	2	0	2
3	NOP103	Civics	a	2	0	2
4	BAI101	Indonesian	d	2	0	2
5	SIP107	Data and Literature	d	2	0	2
6	ETM101	Health Law and Ethics	c	2	0	2
7	KMU103	Basic Communication and Health Services	c	2	0	2
8	MAT108	Mathematics	d	2	0	2
9	KID109	Organic and Inorganic Chemistry	d	3	0	3
		Subtotal credits		**19**	**0**	**19**
Semester 2						
Compulsory Courses						
1	BIF104	Physiology	c	3	1	4
2	PHP103	Logical and Critical Thinking	d	2	0	2
3	MNM107	Introduction to Scientific Collaboration	d	2	0	2
4	MNM106	Communication and Self-Development	d	2	0	2
5	BIA102	Anatomy	c	2	0	2
6	BID107	Introduction to Human Biology	d	2	0	2
7	MNU401	Principles of Management	d	2	0	2
8	BIK102	Introduction to Biochemistry	c	2	0	2
9	PSG105	Psychology	d	2	0	2
		Subtotal credits		**19**	**1**	**20**
Semester 3						
Compulsory Courses						
1	NUM204	Principles of Culinary	d	2	0	2

No.	Course		Component Category (a, b, c, d)	Credits		
	Code	Name		Lecture	Practicum	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)
2.	NUM221	Principles of Culinary (Practicum)	d	0	1	1
3.	NUM222	Food Sciences and Technology	d	2	0	2
4.	NUM223	Food Sciences and Technology (Practicum)	d	0	1	1
5.	NUM224	Food Microbiology	d	2	0	2
6.	NUM225	Food Microbiology (Practicum)	d	0	1	1
7.	NUM226	Nutrition Analysis	c	1	1	2
8.	NUM101	Principles of Nutrition Science	b	2	0	2
9.	NUM216	Food Security	b	2	0	2
10.	AGB401 AGC401 AGH401 AGI401 AGK401 AGP401	Religion II	a	2	0	2
11.	SOS236	Sociology of Nutrition	d	2	0	2
12.	SOA103	Nutritional Anthropology	d	2	0	2
		Subtotal credits		**17**	**4**	**21**
Semester 4						
Compulsory Courses						
1	NUM227	Food Formulation	b	2	0	2
2	NUM215	Food Formulation (Practicum)	b	0	1	1
3	NUM302	Management of Industrial Food and Nutrition Services	b	2	0	2
4	NUM329	Management of Industrial Food and Nutrition Services (Practicum)	b	0	1	1
5	KLM304	Management of Industrial Food and Nutrition Services Fieldwork	a, b	0	2	2
6	NUM105	Nutrition in the Life Cycle	b	2	0	2
7	NUM229	Nutrition in the Life Cycle (Practicum)	b	0	1	1

No.	Course		Component Category (a, b, c, d)	Credits		
	Code	Name		Lecture	Practicum	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)
8	NUM406	Nutritional Assessment	b	2	0	2
9	NUM402	Nutritional Assessment (Practicum)	b	0	2	2
10	NUM231	Food and Nutrition Entrepreneurship (Practicum)	a	0	2	2
11.	NUM211	Food Safety	c	2	0	2
12.	NUM103	Energy and Macronutrient Metabolism	b	2	0	2
13.	NUM104	Micronutrient Metabolism	b	2	0	2
Subtotal credits				**14**	**9**	**23**
Semester 5						
Compulsory Courses						
1	NUM321	Food Consumption Survey	b	2	0	2
2	NUM322	Food Consumption Survey (Practicum)	b	0	1	1
3	NUM203	Nutrition Education	b	2	0	2
4	NUM323	Nutrition Education (Practicum)	b	0	1	1
5	MAS210	Statistics	d	2	0	2
6	MAS115	Statistics (Practicum)	d	0	1	1
7	NUM306	Nutritional Computing (Practicum)	d	0	2	2
8	BIF301	Pathophysiology for Infectious Diseases and Malnutrition	c	2	0	2
9	BIF302	Pathophysiology for Degenerative Diseases	d	2	0	2
10	NUM324	Standardized Nutrition Care Process (NCP)	b	2	0	2
11	NUF302	Pharmacology and Food-Drug Interactions	c	2	0	2
12	NUM314	Sports Nutrition	b	2	0	2
Elective Courses						
13	NUM209 NUM311 NUM310 NUM313 NUM312	Electives I Food and Nutrition Economics Nutrition and Productivity Nutrition and HIV/AIDS Emergency Nutrition	c, d	2	0	2

No.	Course		Component Category (a, b, c, d)	Credits		
	Code	Name		Lecture	Practicum	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)
		Industrial Nutrition				
		Subtotal credits		**18**	**5**	**23**
Semester 6						
Compulsory Courses						
1	NUD302	Dietetics for Infectious Diseases and Deficiency	b	2	0	2
2	NUD303	Dietetics for Infectious Diseases and Deficiency (Practicum)	b	0	1	1
3	NUD304	Dietetics for Degenerative Diseases	b	2	0	2
4	NUD305	Dietetics for Degenerative Diseases (Practicum)	b	0	1	1
5	NUM202	Nutritional Counseling	b	2	1	3
6	PNM491	Research Methodology	c	2	0	2
7	NUM318	Urban Nutrition	b	2	0	2
8	NUM207	Nutrition Programs and Evaluation	b	2	0	2
9	NUM210	Epidemiology of Nutrition	c	2	0	2
10	BAE110	English	c	2	0	2
11	KNM401	Community Services	a, b	0	3	3
Elective Courses						
12	NUM315 PSO403 NUM326 NUM327	Electives II Vegetarian Nutrition Consumer Behavior Geriatric Nutrition Functional Food	c, d	2	0	2
		Subtotal credits		18	6	24
Semester 7						
Compulsory Courses						
1	NUM307	Current Nutrition Science and Technology	b	2	0	2
2	PNM498	Thesis Proposal	b, c	0	2	2
3	KLM402	Community Nutrition Fieldwork	a, b	0	4	4
4	KLM403	Dietetics Fieldwork	a, b	0	4	4

No.	Course		Component Category (a, b, c, d)	Credits		
	Code	Name		Lecture	Practicum	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Subtotal credits				2	10	12
Semester 8						
1	PNM499	Thesis	b, c	0	4	4
Subtotal credits				**0**	**4**	**4**
Total credits				**107**	**39**	**146**

The Bachelor Program in Nutrition offers 9 (nine) elective courses. Food and Nutrition Economics, Nutrition and Productivity, Nutrition and HIV/AIDS, Emergency Nutrition, and Industrial Nutrition are offered in Semester 5. In contrast, Vegetarian Nutrition, Consumer Behavior, Geriatric Nutrition, and Functional Food are provided in Semester 6. Table 4.4 illustrates the credits, competence category, and competence component of the offered elective courses.

Table 4.4 List of Elective Courses for the Bachelor Program in Nutrition

No.	Course		Credits	Competence Category	Competence Component
	Code	Name			
1	**2**	**3**	**4**	**5**	**6**
1	NUM209	Food and Nutrition Economics	2	Specific	MKB
2	NUM311	Nutrition and Productivity	2	Specific	MKB
3	NUM310	Nutrition and HIV/AIDS	2	Specific	MKB
4	NUM313	Emergency Nutrition	2	Specific	MKB
5	NUM312	Industrial Nutrition	2	Specific	MKB
6	NUM315	Vegetarian Nutrition	2	Specific	MKB
7	PSO403	Consumer Behavior	2	Specific	MKB
8	NUM326	Geriatric Nutrition	2	Specific	MKB
9	NUM327	Functional Food	2	Specific	MKB

CHAPTER V

IMPLEMENTATION OF EDUCATION

5.1 IMPLEMENTATION OF EDUCATION

a. The academic year is divided into 2 (two) semesters:
   1) Odd semesters are held from August to December
   2) Even semesters are held from February to July

   A semester is 16 (sixteen) to 20- (twenty) week periods of teaching and learning activities or other scheduled activities, including concurrent activities, and 2 (two) to 4 (four) weeks of assessment activities (examinations).

   A semester credit unit (sks), from now on referred to as credits, is the recognition of having taken a course at the university in 1 (one) semester through scheduled activities per week. One week consists of 1 (one) hour of lecture or tutorial, 2 (two) hours of practicum, or 4 (four) hours of fieldwork, each of which is accompanied by about 1-2 hours of structured activities and approximately 1-2 hours of independent learning.

b. The number of credits for each course is determined based on the amount of study load that, according to estimates, is needed to complete the tasks related to the following 3 (three) types of activity per week for 1 (one) semester:
   1) For the Students
      a) 1 (one) hour of a scheduled face-to-face session with lecturers, which is equivalent to 50 (fifty) minutes, in the form of lectures, for instance.
      b) 1 (one) hour of unscheduled structured academic activities planned by the lecturers, which is equivalent to 60 (sixty) minutes, such as homework or other assignments outside the classroom.
      c) 1 (one) hour of independent academic learning, which is equivalent to 60 (sixty) minutes, that the students must perform independently to explore and prepare a specific academic assignment, such as reading reference books.
   2) For the Lecturers
      a) 1 (one) hour of the scheduled face-to-face session with the students is equivalent to 50 (fifty) minutes.
      b) 1 (one) hour of structured activities planning and evaluation will be or have been conducted by the students.
      c) 1 (one) hour of course material development is through reading and writing.
   3) Seminars

      Seminars require students to create and present a paper at a conference. 1 (one) credit for this learning activity is equivalent to an unscheduled structured academic activity for as many as 42 (forty-two) hours in 1 (one) semester.

4) Focus Group Discussions, Research, and Thesis Writing. The credits of focus group discussions, lab practicums, research, fieldwork, and thesis writing are determined as follows:
   a) 1 (one) credit for focus group discussion is equivalent to 2 (two) hours per week for 1 (one) semester.
   b) 1 (one) credit for research, a final project, or thesis writing is equivalent to 3 (three) to 4 (four) hours of study load a day for one month with 25 (twenty-five) working days in equal.

5.2 ATTENDANCE

Students must participate in lectures, practicums, fieldwork, internships, and community services, and their attendance must be recorded. Student attendance records are the basis for whether students can take examinations.

Each student must attend the classes orderly and regularly according to their course selection and based on the stipulated regulation, with at least being present at **75% of lectures** and **100% of practicums** scheduled and planned in the course outlines. Students with less than 75% of attendance must fill out a form (in the Academic Division) and provide valid proofs (letters of assignment as an authorized faculty or university delegate or sick notes validated by the Health Service Center Universitas Airlangga (PLK Unair) no later than one week after the sick leave). Students who cannot qualify for this attendance requirement are disqualified from sitting for the mid-term (UTS) or final (UAS) examinations, and they are considered not taking the course or assigned an E grade for the course.

5.3 COURSE SELECTION SHEETS (KRS) AND STUDENT REPORT CARDS (KHS)

Each student must hold Course Selection Sheets (KRS) and Student Report Cards (KHS).

a. **Course Selection Sheets (KRS)**
   Students are obliged to fill out the KRS online before participating in curricular activities. The maximum number of credits students can take is determined by their learning achievements stated in the Grade Point Average (GPA). Any additional credits applied in the previous and the following odd or even semesters can only be taken based on the academic advisors' consideration and confirmation.
   The maximum number of credits approved based on GPA:
   GPA $\geq$ 3.00 : maximum programmed semester credit load plus a maximum of 4 (four) credits

GPA 2.50–2.99 : maximum programmed semester credit load plus a maximum of 2 (two) credits
GPA < 2.50 : maximum programmed semester credit load

In programming KRS, students should consider the following steps:

1) Confirming student ID or tuition payment receipt and KHS (for ongoing students only)
2) Programming the KRS online in the UACC by considering advisors' approval
3) Printing 3 (three) copies of the sheets and getting them signed by the academic advisors maximum of 2 (two) weeks after the first meeting. No student shall be eligible to participate in the mid-term examination unless they have their KRS registered.
4) Submitting the programmed KRS maximum of 2 (two) weeks after the first meeting to the Academic Subdivision

b. Modification of Course Selection Sheet (KPRS)

Modifications to the KRS, either changing or canceling courses, must be made based on the following steps:

1) Having the KRS completed
2) Revising the approved KPRS online via the UACC per the scheduled academic calendar
3) Submitting the KRS or KPRS no later than the fourth week of lectures

5.4 MINORS

Minors are offered based on the external requirements in the academic handbook of the Bachelor Program in Public Health and internal requirements stated in the curriculum. Minors are intended for students of the Bachelor Program in Public Health in their fifth semester and already cumulating 104 credits of compulsory courses.

a. The minor application process follows these steps:
   1) Students choose 3 (three) minors based on their priority scale.
   2) The minors are applied by considering the cumulative GPA earned from Semester 1 to Semester 5, which is illustrated in Figure 5.

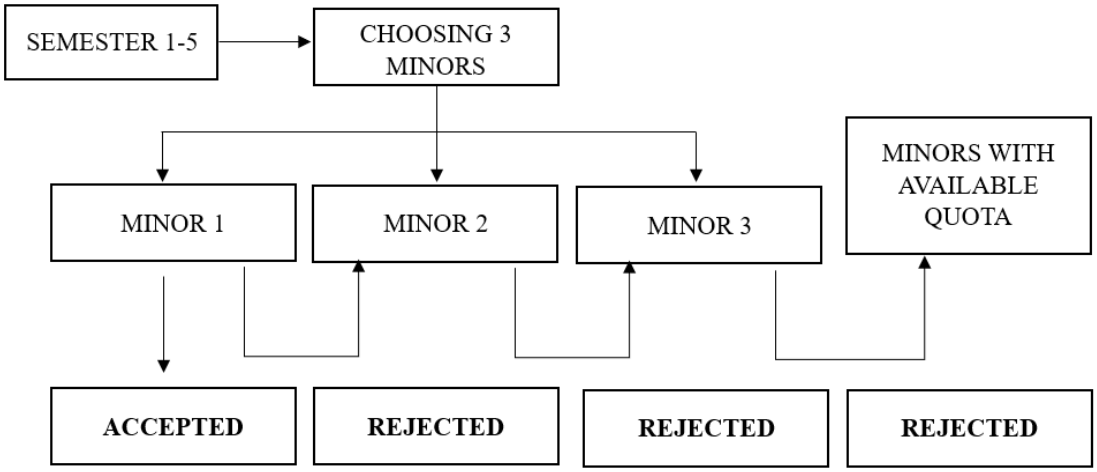


Figure 5.1 Minor Application Process

3) The number of students admitted in each minor is determined based on the number of thesis supervisors.
4) The minor application results will be determined by the Study Program Coordinator of the Bachelor Program in Public Health and approved by the Vice Dean I of FKM Unair.

b. Minor Elective Courses (Cross-Discipline)
Minor elective courses (cross-discipline) are a convenient study option for students wishing to learn more about any field other than their selected minor. Students can take 2 (two) credits of a minor elective course (cross-discipline) in Semester 7. Students are suggested to ensure that the courses requested do not conflict with other classes, or the system will automatically reject the requests. The quota allocated for each minor elective course (cross-discipline) is 10–50 students. If the quota limit has been reached, the course cannot be selected again. Minor elective course (cross-discipline) request is submitted according to the KRS schedule.

5.5 ACADEMIC ADVISORS

An academic advisor is a lecturer appointed by the Dean to provide a number of students with guidance, information, and advice related to their academic and non-academic performance. Academic advisors periodically guide the students and track their thesis progress at least 3 (three) times a semester. All consultation occasions and notes are recorded in the academic advising form. Routine tasks of an academic advisor are, among others:

a. Providing all the information about the education program of the Faculty required by the students
b. Providing suggestions and consideration on credit loads of courses to be taken
c. Providing consultation on students' semester study plan and consideration for

course taking

d. Monitoring the students' study progress to assist them in discovering and solving their academic and non-academic problems at the earliest moment
e. Providing consultation to students experiencing difficulties and forwarding it to the Structural Officials of the Faculty, if deemed necessary, to get appropriate guidance and counseling
f. Collecting the approved programmed KRS from the students

To perform such responsibilities, academic advisors must:

a. Understand the procedure of education management and implementation profoundly according to the semester credit system
b. Comprehend the stipulated rules and regulations to facilitate education implementation
c. Have sufficient time to hold consultations with their students
d. Be able and capable to discuss effectively with their students

Other undetermined provisions in this Academic Handbook shall be further systemized and regulated.

5.6 SHORT SEMESTERS

a. Program Objectives
   A short semester, also known as an intermediate semester, allows students to retake previously taken courses to clear backlogs or improve their grades.
b. The short semester is offered when: 1. The lecturer-in-charge agrees to conduct a short semester, and 2. The participants are at least 10 (ten) students.
c. Short Semester Schedule
   Short semesters are conducted twice a year during the academic holiday. The lectures are carried out for about 4 (four) weeks with 16 (sixteen) meetings, including the mid-term (UTS) and final (UAS) examinations.
d. Total Credits
   The maximum number of credits for the programmed courses is 9 (nine).
e. Grading System
   The grade is considered valid if at least 2 (two) assessments are made. The grades of the courses taken through the Short Semester are a maximum of **A** and a minimum of **E**. The highest grade obtained will be included in the GPA if the students retaking achieve scores less than the previous one.
f. Tuition Fees
   Students are charged according to the credits taken, and the faculty determine the fee amount.
g. Other Provisions
   The programmed courses are not to be canceled.

Table 5.1 Grading System

No.	Marks	Grades	Point Values
1	86 - 100	A	4
2	78 - < 86	AB	3.5
3	70 - < 78	B	3
4	62 - < 70	BC	2.5
5	54 - < 62	C	2
6	40 - < 54	D	1
7	< 40	E	0

5.7 PRACTICUM

5.7.1 Practicums for the Bachelor Program in Public Health

a. All students are subjects to every practicum activity. Practicums are conducted in the field or the laboratory and attended only by registered students. Students can take the examination if they meet 100% attendance of all practicum activities, except if any valid statement is provided, including sick notes validated by the Health Service Center Universitas Airlangga (PLK Unair) or letters of assignment as the Faculty or the University representatives.
b. Absent students with a valid statement must conduct the practicum another day according to the agreement with the lecturer-in-charge and report and submit the practicum attendance to the academic office. Absent students without valid statements are considered to have not attended the practicum.
c. The laboratory practicums provided include:
    1) The public health administration practicum aims to provide managerial and administrative skills for managing and developing health programs and health administration programs.
    2) The biostatistics and population studies practicum aims to provide skills in biostatistics, population studies, and family planning.
    3) The epidemiology practicum aims to provide skills for managing disease eradication programs and epidemiological data.
    4) The nutrition practicum aims to provide anthropometric and dietetic skills to determine the community's nutritional status and create and analyze nutritional data collection instruments.
    5) The industrial hygiene and occupational health and safety practicums aim to provide skills for developing occupational health and safety programs.
    6) The environmental health practicum aims to provide skills for managing environmental health programs, particularly in analyzing water, dust, ventilation measurement, air temperature and humidity, lighting, noise, and

other physical factors in the human environment.

7) The health promotion and behavioral science practicum aims to provide skills in managing health education and counseling programs and developing educative approaches to implementing health programs.

5.7.2 Practicum for the Bachelor Program in Nutrition

a. All students are subjects to every practicum activity. Practicums are conducted in the field or the laboratory and attended only by registered students. Students can take the examination if they meet 100% attendance of all practicum activities, except if any valid statement is provided, including sick notes validated by the Health Service Center Universitas Airlangga (PLK Unair) or letters of assignment as the Faculty or the University representatives.
b. Absent students with a valid statement must conduct educational activities per the number of absent days in the odd or even semester of the following year. Absent students without valid statements are considered to have not attended the practicum.

5.8 FIELDWORK (PKL)

5.8.1 Fieldwork for the Bachelor Program in Public Health

a. All students of the Bachelor Program in Public Health **must** participate in fieldwork held on the fifth or sixth semester holidays. The fieldwork is conducted for 6 (six) to 7 (seven) weeks.
b. Further provisions regarding the fieldwork are contained in the Fieldwork Handbook.

5.8.2 Fieldwork for the Bachelor Program in Nutrition

a. All students of the Bachelor Program in Nutrition must participate in the Management of Industrial Food and Nutrition Services (MIPMG) fieldwork in the fourth semester, with a load of 2 (two) credits, and Community Nutrition and Dietetics fieldworks in the seventh semester, with a load of 4 (four) credits each.
b. Further provisions regarding the technical implementation of each fieldwork are contained in the Fieldwork Handbook.

5.9 INTERNSHIPS

5.9.1 Internships for the Bachelor Program in Public Health

Internships are students' independent activities outside the campus environment to gain practical work experiences under their minors through observation and participation. Every student of the Bachelor Program in Public Health who has

completed the seventh semester must take part in an internship as a compulsory curriculum activity. An internship is conducted for at least 6 (six) weeks, with preparation, internship, supervision, report writing, and seminar as the activities. Further provisions regarding internships are contained in the Internship Handbook.

5.10 COMMUNITY SERVICES OR COMMUNITY OUTREACH PROGRAMS (KKN-BBM)

Every student of the Bachelor Program in Public Health, FKM Unair, with at least 80 credits and no E grades, must participate in community services with a load of 3 credits. Community services are conducted with students from other faculties within the University, and the implementation is regulated by the Institute for Research and Community Service (LPPM), Universitas Airlangga.

5.11 FREEDOM OF LEARNING–INDEPENDENT CAMPUS (MBKM) IMPLEMENTATION

FKM Unair facilitates its students to gain learning experiences outside the campus through the Freedom of Learning–Independent Campus (MBKM) program. Furthermore, students can gain learning experiences from domestic or foreign exchange programs. Other study programs offered at Universitas Airlangga can be seen in Airlangga Academic Handbook and the learning administration system, Universitas Airlangga Cyber Campus (UACC). Students are given the authority to select courses following their minors that will be useful for their final project preparation, be it theses or equivalent alternatives, or beneficial for their future careers. Students must initially consult their selection of learning outside the study program with their academic advisors.

Students can participate in study programs offered by other universities that will contribute to their final project or benefit their careers in education or knowledge enrichment. Moreover, students can study at non-university institutions and convert them into courses through the credit system. Further and more detailed provisions regarding MBKM can be accessed through the official website of the Ministry of Education and Culture of the Republic of Indonesia (Kemdikbud RI) at kampusmerdeka.kemdikbud.go.id.

5.11.1 MBKM Implementation Scheme in the Bachelor Program in Public Health

Table 5.2 MBKM Implementation Scheme in the Bachelor Program in Public Health

Bachelor Program Learning Activities, 146 credits								
	SEM 1	SEM 2	SEM 3	SEM 4	SEM 5	SEM 6	SEM 7	SEM 8
	19 credits	20 credits	21 credits	21 credits	23 credits	20 credits	15 credits	7 credits
1	Joint Lecture of General Courses (PDB) Study Program Courses within the Study Program	Joint Lecture of General Courses (PDB) Study Program Courses within the Study Program	Study Program Courses within & outside the Study Program within the University	Study Program Courses within & outside the Study Program within the University	Study Program Courses within & outside the Study Program within the University	Study Program Courses within & outside the Study Program & Learning outside the University : Community Services	Study Program Courses within & outside the Study Program & Learning outside the University	Learning outside the University: Internships & Thesis

5.11.2 MBKM Implementation Scheme in the Bachelor Program in Nutrition

Table 5.3 MBKM Implementation Scheme in the Bachelor Program in Nutrition

Bachelor Program Learning Activities, 146 credits								
	SEM 1	**SEM 2**	**SEM 3**	**SEM 4**	**SEM 5**	**SEM 6**	**SEM 7**	**SEM 8**
	19 credits	20 credits	21 credits	23 credits	23 credits	24 credits	12 credits	4 credits
1	Joint Lecture of General Courses (PDB) Study Program Courses within the Study Program	Joint Lecture of General Courses (PDB) Study Program Courses within the Study Program	Study Program Courses within & outside the Study Program within the University	Study Program Courses within & outside the Study Program within the University	Study Program Courses Within & Outside the Study Program	Study Program Courses within & outside the Study Program & Learning outside the University: Community Services	Study Program Courses within & outside the Study Program & Learning outside the University: Fieldwork	Thesis

Table 5.4 Learning Activities outside the University

No.	Learning Activity	Load of Credits		Description
		Regular	MBKM	
1	Fieldwork	10	≤20	MBKM Internships can be converted into several courses with Graduate Learning Outcomes (CPL) and study time compatibility following the course's credits of MIPMG, Dietetics, and Community Nutrition fieldworks.
2	Community Services (KKN and KKNT)	3	≤20	MBKM Thematic Community Services (KKNT), the extensions of the Regular Community Services (KKN), can be converted into several courses with CPL and study time compatibilities following the course's loads of credits.
3	Entrepreneurship	2	≤20	The Student Creativity Program of Entrepreneurship (PKM-K) can be converted into the Food and Nutrition Entrepreneurship Practicum and Entrepreneurship Integration courses.
4	Teaching Assistance in Education Units (AMSP)	3	≤20	The Teaching Campus (Kampus Mengajar) program can be converted into the Community Services course.
5	Research	6	≤20	Activities such as the Scientific Paper Competition (LKTI), Student Creativity Programs of Research (PKM-P), Written Ideas (PKM-GT), and Innovation (PKM-KC) can be converted into several courses with CPL compatibilities, such as Thesis Proposal or Thesis.
6	Independent Projects	2	≤20	Independent internships can be converted into several courses with CPL and study time compatibilities following the courses' loads of credits.
7	Humanitarian Projects	3	≤20	Activities such as You Can Empower, Millenial Services (Bakti Millenial), Covid-19 Volunteers, and Healthy Mothers and Children Care Movement to Build Excellent Family-Based Generation (Geliat Airlangga) can be converted into several courses with CPL and study time compatibilities following

No.	Learning Activity	Load of Credits		Description
		Regular	MBKM	
				the courses' loads of credits, such as Community Services.

Undergraduate students at FKM Unair willing to participate in any MBKM activities can convert their scores into course credits. The terms and conditions are stated in the MBKM Conversion SOP of FKM Unair.

5.12 THESIS WRITING

Before graduation, each student of the Bachelor Program in Public Health must write a thesis that will be tested in the eighth semester. Meanwhile, for the Bachelor Program in Nutrition students, thesis proposals will be tested in the seventh semester, then the thesis will be defended in the eighth semester.

The thesis writing process consists of:

1. The writing of the thesis proposal under a supervisor's guidance,
2. Thesis proposal seminar for the Bachelor Program in Public Health students and thesis proposal defense for the Bachelor Program in Nutrition students,
3. Research,
4. Thesis defense.

Further description of the thesis writing process is regulated in the Thesis Handbook.

5.13 CODE OF CONDUCT FOR LECTURES AND PRACTICUMS

A CODE OF CONDUCT is necessary for the education and teaching process to run smoothly and achieve teaching objectives.

1. General Code of Conduct
    a. Students must behave politely toward fellow students, lecturers, and educational staff.
    b. Students must comply with the rules and regulations stipulated by Universitas Airlangga and the Faculty of Public Health.
2. Code of Conduct for Lectures, Practicums, and Examinations
    a. During lectures, practicums, and examinations, students must comply with the following regulations:
        1) Being polite to the lecturer in question
        2) Wearing neat, clean, polite, and proper clothes, wearing shoes, and not wearing jeans, t-shirts, jackets, and sandals
        3) Not smoking
        4) Not leaving the lecture hall, except with permission from the lecturer Violation of provisions 1 until 4 can result in sanctions, such as not

being allowed to attend lectures or practicums.

b. Students who cheat during learning activities, such as lectures, practicums, examinations, fieldwork, community services, internships, or thesis, will be subject to sanctions in the form of:
    1. A written or verbal disciplinary warning,
    2. Test scores cancellation for the course or academic activity in question,
    3. Not passing the course or academic activity in question,
    4. Not passing all courses at the current semester,
    5. Temporary suspension from all academic activities for a certain period,
    6. Dismissal or expulsion from Universitas Airlangga (following the 2021 Academic Handbook of Universitas Airlangga).

CHAPTER VI
EDUCATIONAL EVALUATION

Students learning activities and progress are assessed periodically. The assessments are in the form of examinations and other formats. Students learning progress is evaluated based on the curriculum and academic activities at the Faculty of Public Health Universitas Airlangga (FKM Unair).

6.1 EXAMINATION REGISTRATION REQUIREMENTS

1. **Academic requirements**
   a. The examinations are for courses selected at the Course Selection Sheet (KRS).
   b. Students attend at least 75% of the learning activities of course lectures and 100% attendance for practicums.
   c. Students complete all practicum activities and other assignments from the study programs or the lecturer.
2. **Administrative requirements**
   a. Students have completed the required admission fee (UKA) and tuition fee (UKT) payments.
   b. Students are registered for the academic year by showing a valid student ID.

6.2 EXAMINATION TYPES

Students learning activities and progress are assessed periodically through examinations, assignments, and lecturer observations. The officially scheduled examinations are term examinations and thesis defenses. Assessments for fieldworks, internships, and community services are based on the valid guidelines. The examination types at FKM Unair are:

1. Semester examinations, which are divided into:
   a. Mid-term Examination (UTS)
   b. Final Examination (UAS)
      The study programs regulate UTS and UAS schedules. UTS and UAS are mandatory.
2. Thesis defense (see Thesis Writing Handbook).

6.3 EXAMINATION INSTRUMENTS

Examination instruments provided for each course can be in the forms of the following:

1. Lecture examination instruments, in forms of:

a. Written examination
b. Oral examination
c. Practice questions
d. Paper writing
e. Report writing
f. Resume writing of a required reading
g. Review session attendance

2. Thesis defense instruments

6.4 GRADING SYSTEM

1. The learning outcomes assessment is written in letters or grades A, AB, B, BC, C, D, and E, representing point values of 4, 3.5, 3, 2.5, 2, 1, and 0.
2. Standardization of Scoring into Grades is as follows:

Table 6.1 Scoring Standardization

No.	Marks	Grades	Point Values
1	86–100	A	4
2	78–<86	AB	3.5
3	70–<78	B	3
4	62–<70	BC	2.5
5	54–<62	C	2
6	40–<54	D	1
7	< 40	E	0

Grade Point Average

$$\text{Grade Point Average (GPA)} = \frac{\sum_{i=1}^{n} (Ni \times Ki)}{\sum_{i=1}^{n} Ki}$$

Ni = numerical value of the evaluation result
Ki = loads of credits
n = number of courses taken in the semester
i = courses (i = 1, 2, 3, n)

The cumulative Grade Point Average (GPA) is expressed in the form of predicates:
1. Satisfactory
2. Very Satisfactory
3. With Honor

These graduation predicates are delivered when taking an oath as the Bachelor of Public Health (S.K.M.) and Bachelor of Nutrition (S.Gz.). The cumulative GPA with the "With Honor" predicate is specifically given by taking the study period into account (the minimum lenght of study added with one year).

Table 6.2 Graduation Predicates

GPA	Predicate
2.00–2.75	Satisfactory
2.76–3.50	Very Satisfactory
3.51–4.00	With Honor (Cum Laude)

6.5 GRADING SYSTEM IMPLEMENTATION

The final score of each course is based on the mid-term (UTS) and final (UAS) examinations, from now on referred to as the primary examination.

a. Primary Examination

The primary examination is held at the middle and the end of each semester. The examination score is the sum of UTS and UAS scores by taking each credit into account.

The provisions of the grading are as follows:

1. The lecturer-in-charge regulates the compositions of UTS, UAS, and assignment scores.
2. Other scores besides UTS and UAS, such as paper writing, reading assignments, and others (see evaluation instruments), are submitted to the lecturer-in-charge to conclude the final score.
3. Scores of courses not listed in the Course Selection Sheet (KRS) are invalid and not included.
4. The lecturer-in-charge submits UTS and UAS scores to the Airlangga University Cyber Campus (UACC) no later than 14 (fourteen) days after the examination.
5. All scores and grades can be accessed in the UACC system.
6. The KHS printout with the lecturer-in-charge signature must be submitted to the Academic Affairs Subdivision.

7. Students can complain and protest against their UTS or UAS scores. Lecturers-in-charge must process students' complaints no later than 7 (seven) days after the scores have been announced.
8. Student complaints and protests can change their scores if:
    a. The complained materials are valid, and the lecturer can upgrade the score based on the correction; or
    b. The complaints are fabricated, and the lecturer can reduce the score by at least one interval.
    c. The lecturer-in-charge then uploads the revised score on UACC. The revised KHS printout must be submitted to the Academic Affairs Subdivision along with related evidence and description.
9. Changes in scores and grades at the lecturer's initiative can only be proceeded after the approval from the Vice Dean of Academic and Student Affairs is obtained with acceptable reasons, and no later than 2 (two) weeks after the scores have been announced.

b. Make-up Examination

Makeup examinations can be conducted if students cannot attend the primary examination. They must submit a request letter for make-up examinations to Vice Dean I by providing a valid statement. The statement can be in the form of sick notes from health institutions, clashes in examination schedules, or letter of assignment from the University. Make-up examinations are conducted no later than 2 (two) weeks after the primary examination schedule. Students will be considered not taking the examination if they do not take make-up examinations within the specified time limit. The maximum grade for make-up examinations is **A**.

c. Remedial Examination

1. The execution of remedial examinations is subject to the lecturer-in-charge.
2. Remedial examinations are carried out no later than 2 (two) weeks after the primary examinations.
3. Students with scores D and E can take remedial examinations.
4. The maximum grade for remedial examinations is **C**.

6.6 EXAMINATION CODE OF CONDUCT

Students must comply with the following rules in mid-term (UTS) and final (UAS) examinations.

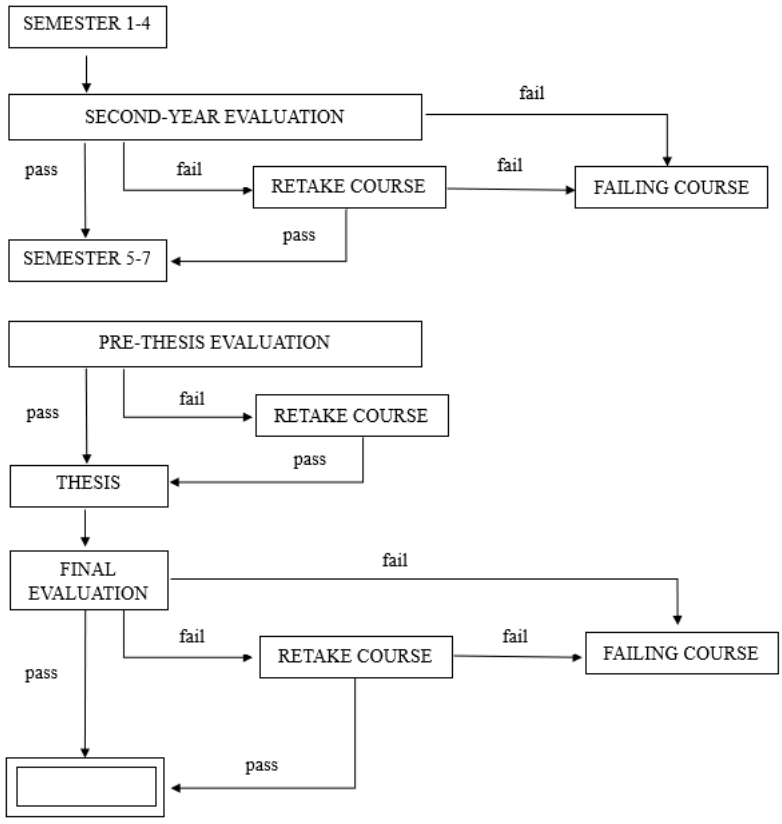
1. Students occupy the designated examination venue.
2. Students bring their student ID.

3. Students bring the original Course Selection Sheet (KRS) signed by the academic advisor.
4. Students bring their own stationery because they are prohibited from borrowing or lending stationary during the examination. The exam paper is provided by the examination supervisor.
5. Books and notes must be placed in the designated area.
6. Students enter the examination venue no later than 30 (thirty) minutes after the examination begins, and no additional time will be given. Entry after the tolerance limit will not be permitted.
7. Students wear neat clothes with the following provisions:
    a. A collared shirt
    b. Trousers or a long skirt (no jeans)
    c. Shoes (no slippers)
8. During the examination, students are prohibited from:
    a. Talking to other students
    b. Seeing or taking other students' examination paper
    c. Opening any form of books or notes without permission from the lecturer or examination supervisors
    d. Committing any kinds of cheating
    e. Doing acts that can disturb the examination
    f. Bringing any form of electronic devices, such as smartphones, watches, or MP3 devices
    g. Leaving the examination venue during the examination.
9. All students must submit the question papers and answer sheets.
10. Violation of provision no. 8 results in:
    a. Warning
    b. Being recorded in the Minutes of Examination and will affect the score
    c. Being taken out from the examination venue
    d. Cancellation of taking part in examinations, a maximum of all courses during the semester
11. Suppose a student is taking the examination on behalf of another student. In that case, both will be suspended for 2 (two) semesters. All their examination scores will be canceled as regulated by the Rector of Universitas Airlangga and conveyed by the Dean of FKM Unair.
12. Students who cannot attend the examination must submit a valid statement for consideration to take make-up examinations.

6.7 STUDENT EVALUATION

In addition to monitoring learning outcomes at the end of every semester, evaluation is also conducted to determine student graduation.
Student evaluation is conducted at:

1. The end of the fifth semester, also known as the second-year evaluation
2. The end of the eighth semester, also known as the fourth-year evaluation



6.7.1 Second-Year Evaluation

This evaluation determines whether students can continue their studies in the following semester, should retake courses, or even fail the current semester.

The evaluation result is a Grade Point Average (GPA) obtained from the best scores of the total passed courses, determining whether students can continue their studies.

a. Students can continue any learning activities in the study programs if they meet the following requirements:

1) The Bachelor Program in Public Health students must obtain at least 81 credits, while the Bachelor Program in Nutrition students must earn at least 83 credits from the total credits programmed for each semester.
2) GPA ≥ 2.00

b. Students who meet the requirements can continue their studies the following semester, provided they have passed all programmed courses with a total GPA of ≥ 2.00.

6.7.2 Pre-Thesis Evaluation

Pre-thesis evaluation is executed at the end of the seventh semester to determine whether students can take the Thesis course as their final project in the eighth semester. The pre-thesis evaluation is regulated in the Thesis Handbook.

6.7.3 Fourth-Year Evaluation

The evaluation results determine whether students succeed in their bachelor programs and are entitled to receive the Bachelor of Public Health (S.K.M.) degree for the Bachelor Program in Public Health or the Bachelor of Nutrition (S.Gz.) degree for the Bachelor Program in Nutrition, retake, or fail the degree.

Students are considered to complete the bachelor programs if:

a. The required credits for the bachelor program have been accumulated.
b. The cumulative GPA is ≥ 2.00.
c. There is no E grade.
d. There is no D grade with credits exceeding 10%.
e. The fieldwork course has been passed.
f. The internship has been completed.
g. The thesis defense has been passed, and the thesis printout has been submitted per the applicable requirements.

6.7.4 Commencement

Graduation is determined during a commencement meeting that follows the academic calendar. Students are declared "GRADUATED" if they have submitted the statement of thesis revision (BAP), thesis printout, and article submission's letter of acceptance from journal publishers to the Academic Affairs Subdivision. The statement of thesis revision process is regulated in the Thesis Handbook.

6.8 OTHER PROVISIONS

1. Incomplete Scores (TL)
    a. The incomplete score (TL) is given to students whose scores of one or more programmed courses have not yet been provided. If a TL score exists, the semester GPA displayed is only temporary and not final.
    b. The TL issue must be resolved no later than 2 (two) weeks after the commencement. If the issue has not been resolved within the time limit and the student causes the delay, the student is declared not to pass the course.
    c. The commencement for students with TL is postponed for 3 (three) weeks.
2. Students must retake courses with an E grade in the following even or odd semester and will be treated as new attendees, with notes that the course credit is calculated twice the course's loads of credits, or the students retake it in a short semester program.
3. The study period can be extended twice, with 1 (one) semester for each extension.
4. Students are proposed to the Rector as failing and not entitled to a bachelor's degree if they have not graduated within 2 (two) times of the study period minus 1 (one) year and will be assessed in the fourth-year evaluation. The evaluation's decision is based on the stipulated graduation requirements. The fourth-year evaluation is led by the Dean and attended by Vice Dean I, Heads of Departments, Study Program Coordinators, and the Head and the Staff of the Academic Affairs Subdivision.

CHAPTER VII

LIST OF COURSES OFFERED FOR THE BACHELOR PROGRAM IN PUBLIC HEALTH IN THE ACADEMIC YEAR 2022/2023

SEMESTER 1

No.	Code	Course Name	Course Category	Credits
1	AGB10	Buddhism I	WI	2
	AGC101	Confucianism I		
	AGH101	Hinduism I		
	AGI101	Islam I		
	AGK101	Catholicism I		
	AGP101	Protestantism I		
2	BAI101	Indonesian	WI	2
3	BIF113	Biomedical Sciences I	WIns	3
4	ETM101	Health Law and Ethics	WI	2
5	NOP103	Pancasila	WI	2
6	KMU101	Introduction to Public Health Science	WIns	2
7	NOP104	Civics	WI	2
8	SIP107	Data and Literature	WI	2
9	KMU103	Health Communication and Basic Health Services	WI	2
Total credits for Semester 1				**19**

SEMESTER 2

No.	Code	Course Name	Course Category	Credits
1	KME201	Principles of Epidemiology	WIns	2
2	KMA101	Health Administration and Policy	WIns	2
3	KMD104	Population Studies	WIns	2
4	BIF114	Biomedical Sciences II	WIns	3
5	EDM305	Health Promotion and Education	WIns	2

No.	Code	Course Name	Course Category	Credits
6	SOS320	Medical Sociology and Anthropology	WIns	3
7	PHP103	Logical and Critical Thinking	WI	2
8	KMU103	Communication and Self-Development	WI	2
9	MNM107	Introduction to Scientific Collaboration	WI	2
Total credits for Semester 2				**20**

SEMESTER 3

No.	Code	Course Name	Course Category	Credits
1	MAS111	Principles of Biostatistics	WIns	2
2	KME302	Epidemiology of Communicable Diseases	WIns	2
3	SOK207	Public Health Communication	WIns	3
4	KMA205	Principles of Hospital and Community Health Center Administration	WIns	2
5	PSK204	Public Health Group Development	WIns	2
6	LKM206	Principles of Environmental Health	WIns	2
7	KMK217	Principles of Occupational Health and Safety	WIns	2
8	KMD105	Reproductive Health	WIns	2
9	NUM101	Principles of Nutrition Science	WIns	2
10	AGB401	Buddhism II	WI	2
	AGC401	Confucianism II		
	AGH401	Hinduism II		
	AGI401	Islam II		
	AGK401	Catholicism II		
	AGP401	Protestantism II		
Total credits for Semester 3				**21**

SEMESTER 4

No.	Code	Course Name	Course Category	Credits
1	PSK205	Community Empowerment in Health I	WIns	2
2	SII310	Health Information Systems (HIS)	WIns	2

No.	Code	Course Name	Course Category	Credits
3	KME204	Public Health Surveillance (Integrated)	WIns	3
4	MNM404	Human Resource Management and Productivity in Healthcare	WIns	2
5	KME303	Epidemiology of Non-Communicable Diseases	WIns	2
6	MNM309	Leadership and Thinking Systems in Public Health	WIns	2
7	LKM316	Environmental Quality Analysis	WIns	2
8	MAS233	Inferential Biostatistics	WIns	2
9	MNW302	Integrated Entrepreneurship	WIns	2
10	NUM301	Introduction to Public Health Nutrition	WIns	2
Total credits for Semester 4				**21**

SEMESTER 5

No.	Code	Course Name	Course Category	Credits
1	PNM405	Methodology of Quantitative and Qualitative Research	WIns	3
2	SOK326	Basics in Media Communication, Information, and Education	WIns	2
3	EKH301	Health Economics	WIns	3
4	KME419	Extreme Events and Disaster Management (Integrated)	WIns	2
5	KLM303	Fieldwork	WIns	6
6	MNS103	Public Health Program Planning and Evaluation (Integrated and Practicum)	WIns	3
7	SIK302	Public Health Computer Applications (Practicum)	WIns	2
8	BAE115	English for Public Health	WIns	2
Total credits for Semester 5				**23**

SEMESTER 6

SEMESTER 6 (MINOR IN HEALTH ADMINISTRATION AND POLICY)

No.	Code	Course Name	Course Category	Credits
1	KNM401	Community Services	WI	3

No.	Code	Course Name	Course Category	Credits
2	MNK103	Health Financing and Budgeting	WIns	2
3	PSO306	Organization Development	WMin	2
4	MNS315	Healthcare Management Techniques and Tools	WMin	4
5	MNS316	Community Health Center Management	WMin	2
6	MNS317	Hospital Management	WMin	2
7	MNS310	Quality Management in Health Services	WMin	2
8	MNS311	Logistic Management for Medicine, Equipment, and Healthcare Facility	WMin	2
Total credits for Semester 6 for the Minor in Health Administration and Policy				**19**

SEMESTER 6 (MINOR IN BIOSTATISTICS AND POPULATION STUDIES)

No.	Code	Course Name	Course Category	Credits
1	KNM401	Community Services	WI	3
2	MNK103	Health Financing and Budgeting	WIns	2
3	MAS208	Parametric Biostatistics	WMin	3
4	MAS322	Biostatistics for Semiquantitative Data	WMin	2
5	MAS323	Biostatistics for Categorical Data	WMin	2
6	PNM406	Health Research Design	WMin	2
7	KMD312	Demographic Techniques	WMin	2
8	KMD305	Maternal Health and Safety	WMin	2
9	KMD316	Population Fertility and Family Planning	WMin	2
Total credits for Semester 6 for the Minor in Biostatistics and Population Studies				**20**

SEMESTER 6 (MINOR IN REPRODUCTIVE HEALTH AND MATERNAL AND CHILD HEALTH)

No.	Code	Course Name	Course Category	Credits
1	KNM401	Community Services	WI	3
2	MNK103	Health Financing and Budgeting	WIns	2
3	KMD303	Child Survival	WMin	2
4	KMD304	Adolescent Sexual and Reproductive Health	WMin	2

5	KMD305	Maternal Health and Safety	WMin	2
6	KMD306	Population Fertility and Family Planning	WMin	2
7	KMD307	Mortality	WMin	2
8	KMD313	Workers Sexual and Reproductive Health	WMin	2
9	KMD314	Elderly Sexual and Reproductive Health	WMin	2
Total credits for Semester 6 for the Minor in Reproductive Health and Maternal and Child Health				**19**

SEMESTER 6 (MINOR IN EPIDEMIOLOGY)

No.	Code	Course Name	Course Category	Credits
1	KNM401	Community Services	WI	3
2	MNK103	Health Financing and Budgeting	WIns	2
3	KME422	Health Measurement	WMin	2
4	KME426	Epidemiology of Prevention and Control of Cardiovascular Diseases and Strokes	WMin	3
5	KME417	Epidemiological Research	WMin	2
6	KME407	Epidemiology of Tropical Diseases	WMin	3
7	KME420	Epidemiology of Accidents	WMin	2
8	KME403	Epidemiology of Cancers	WMin	3
Total credits for Semester 6 for the Minor in Epidemiology				**20**

SEMESTER 6 (MINOR IN NUTRITION)

No.	Code	Course Name	Course Category	Credits
1	KNM401	Community Services	WI	3
2	MNK103	Health Financing and Budgeting	WIns	2
3	NUM404	Nutrition (Practicum)	WMin	2
4	NUM304	Food Technology and Nutrition	WMin	2
5	EDM401	Nutrition Education	WMin	3
6	KME406	Epidemiology of Nutrition	WMin	2
7	NUM318	Urban Nutrition	WMin	2
8	NUM401	Food Safety	WMin	2
Total credits for Semester 6 for the Minor in Nutrition				**18**

SEMESTER 6 (MINOR IN OCCUPATIONAL HEALTH AND SAFETY)

No.	Code	Course Name	Course Category	Credits
1	KNM401	Community Services	WI	3
2	MNK103	Health Financing and Budgeting	WIns	2
3	KMK102	Occupational Safety	WMin	2
4	KMK101	Occupational Health	WMin	2
5	KMK214	Ergonomics and Work Physiology I	WMin	2
6	PSI307	Industrial Psychology	WMin	2
7	KMK106	Industrial Hygiene I	WMin	2
8	FAT304	Industrial Toxicology I	WMin	2
Total credits for Semester 6 for the Minor in Occupational Health and Safety				**17**

SEMESTER 6 (MINOR IN ENVIRONMENTAL HEALTH)

No.	Code	Course Name	Course Category	Credits
1	KNM401	Community Services	WI	3
2	MNK103	Health Financing and Budgeting	WIns	2
3	NUM102	Food Sanitation	WMin	2
4	LKM406	Control of Zoonotic Diseases	WMin	2
5	LKM314	Field Instrumentation and Observation (Practicum)	WMin	3
6	LKM313	Water Management	WMin	2
7	LKM312	Waste Management	WMin	2
8	LKM309	Vector and Rodent Control	WMin	2
Total credits for Semester 6 for the Minor in Environmental Health				**18**

SEMESTER 6 (MINOR IN HEALTH PROMOTION AND BEHAVIORAL SCIENCE)

No.	Code	Course Name	Course Category	Credits
1	KNM401	Community Services	WI	3
2	MNK103	Health Financing and Budgeting	WIns	2

3	MNS312	Health Promotion Indicators and Measurements	WMin	2
4	SOK325	Health Promotion Media Development	WMin	3
5	PSC304	Health Psychology	WMin	2
6	EDM306	Health Promotion in Institutions (Practicum)	WMin	3
7	MNS313	Health Promotion Programs	WMin	3
Total credits for Semester 6 for the Minor in Health Promotion and Behavioral Science				**18**

SEMESTER 7

No.	Code	Course Name	Course Category	Credits
1		Electives I	WIns	2
			Total	6

Description:

- Elective courses are selected from other minors' courses

SEMESTER 7 (MINOR IN HEALTH ADMINISTRATION AND POLICY)

No.	Code	Course Name	Course Category	Credits
1	PNM496	Research Methodology (Application and Practicum)	WI	3
2	MNP309	Health Services Marketing	WMin	2
3	MNS407	Health Insurance	WMin	2
4	SII407	Health and Hospital Management Information System	WMin	2
5	KMA404	Health Policy Analysis	WMin	3
6	MNS408	Strategic Management in Healthcare	WMin	2
Total credits for Semester 7 for the Minor in Health Administration and Policy				**14**

SEMESTER 7 (MINOR IN BIOSTATISTICS AND POPULATION STUDIES)

No.	Code	Course Name	Course Category	Credits
1	PNM496	Research Methodology (Application and Practicum)	WI	3
2	SIK304	Biostatistics Computer Applications	WMin	2

		(Practicum)		
3	SIK303	Population Analysis Computer Applications (Practicum)	WMin	2
4	PNM407	Sampling Techniques and Size Determination	WMin	2
5	SII314	Introduction to Geographic Information Systems	WMin	2
6	MAS623	Basics in Multivariate Analysis	WMin	2
Total credits for Semester 7 for the Minor in Biostatistics and Population Studies				**13**

SEMESTER 7 (MINOR IN REPRODUCTIVE HEALTH AND MATERNAL AND CHILD HEALTH)

No.	Code	Course Name	Course Category	Credits
1	PNM496	Research Methodology (Application and Practicum)	WI	3
2	SII314	Introduction to Geographic Information Systems	WMin	2
3	KMD308	Sex, Gender, and Sexuality	WMin	2
4	KMD310	Techniques of Fertility, Family Planning, and Mortality Measurement	WMin	3
5	SIK303	Population Analysis Computer Applications (Practicum)	WMin	2
6	PNM409	Sampling Methods for Population Studies	WMin	2
Total credits for Semester 7 for the Minor in Reproductive Health and Maternal and Child Health				**14**

SEMESTER 7 (MINOR IN EPIDEMIOLOGY)

No.	Code	Course Name	Course Category	Credits
1	PNM496	Research Methodology (Application and Practicum)	WI	3
2	KME423	Risk and Disease Mapping	WMin	2
3	KME301	Epidemiology of Vaccine-Preventable Diseases	WMin	3
4	KME413	Data Management in Epidemiology (Practicum)	WMin	2
5	KME414	Health Screening	WMin	3
Subtotal credits for Semester 7 for the Minor in Epidemiology				**13**

SEMESTER 7 (MINOR IN HEALTH NUTRITION)

No.	Code	Course Name	Course Category	Credits
1	PNM496	Research Methodology (Application)	WI	3
2	NUM302	Nutrition and Food Service Management	WMin	2
3	NUM307	Current Nutrition Science and Technology	WMin	2
4	NUM216	Food Security	WMin	2
5	NUM209	Food and Nutrition Economics	WMin	2
6	NUM311	Nutrition and Productivity	WMin	2
7	SOK103	Nutritional Anthropology	WMin	2
Subtotal credits for Semester 7 for the Minor in Nutrition				**15**

SEMESTER 7 (MINOR IN OCCUPATIONAL HEALTH AND SAFETY)

No.	Code	Course Name	Course Category	Credits
1	PNM496	Research Methodology (Application and Practicum)	WI	3
2	FAT305	Industrial Toxicology II	WMin	2
3	KMK202	Occupational Diseases	WMin	2
4	KMK310	Industrial Hygiene II	WMin	3
5	KMK312	Occupational Health and Safety Risk Management	WMin	2
6	KMK313	Occupational Health and Safety Implementation (Practicum)	WMin	2
7	KMK306	Ergonomics and Work Physiology II	WMin	2
Total credits for Semester 7 for the Minor in Occupational Health and Safety				**16**

SEMESTER 7 (MINOR IN ENVIRONMENTAL HEALTH)

No.	Code	Course Name	Course Category	Credits
1	PNM496	Research Methodology (Application and Practicum)	WI	3
2	LKM308	Environmental Sanitation	WMin	3
3	LKM310	Environmental Management	WMin	2
4	MNS404	Environmental Health Risk Assessment	WMin	3
5		Environmental Health Aspects	WMin	2

	KME425	in Disaster Management		
6	FAT206	Environmental Toxicology	WMin	2
Total credits for Semester 7 for the Minor in Environmental Health				**15**

SEMESTER 7 (MINOR IN HEALTH PROMOTION AND BEHAVIORAL SCIENCE)

No.	Code	Course Name	Course Category	Credits
1	PNM496	Research Methodology (Application and Practicum)	WI	3
2	SOK408	Integrated Health Marketing Communication	WMin	2
3	EDM402	Health Politics	WMin	2
4	PSI407	Organizational Behavior	WMin	2
5	PSK303	Community Empowerment in Health II	WMin	3
6	SOS402	Social Determinants of Health	WMin	3
Total credits for Semester 7 for the Minor in Health Promotion and Behavioral Science				**15**

SEMESTER 8

1	PNM499	Thesis	WMin	4
2	KKM401	Internships	WMin	3
Total credits for Semester 8				**7**

CHAPTER VIII

LIST OF COURSES OFFERED FOR THE BACHELOR PROGRAM IN NUTRITION IN THE ACADEMIC YEAR 2022/2023

SEMESTER 1

No.	Code	Course Name	Course Category	Credits
1	AGB10	Buddhism I	WI	2
	AGC101	Confucianism I		
	AGH101	Hinduism I		
	AGI101	Islam I		
	AGK101	Catholicism I		
	AGP101	Protestantism I		
2	NOP102	Pancasila	WI	2
3	NOP103	Civics	WIns	3
4	BAI101	Indonesian	WI	2
5	SIP107	Data and Literature	WIns	2
6	ETM101	Health Law and Ethics	WIns	2
7	KMU103	Basic Communication and Health Services	WI	2
8	MAT108	Mathematics	WI	2
9	KID109	Organic and Inorganic Chemistry	WI	2
Total credits for Semester 1				**19**

SEMESTER 2

No.	Code	Course Name	Course Category	Credits
1	BIF104	Physiology	WI	4
2	PHP103	Logical and Critical Thinking	WIns	2
3	MNM107	Introduction to Scientific Collaboration	WIns	2
4	MNM106	Communication and Self-Development	WI	2
5	BIA102	Anatomy	WI	2
6	BID107	Introduction to Human Biology	WI	2
7	MNU401	Principles of Management	WI	2
8	BIK102	Introduction to Biochemistry	WI	2

No.	Code	Course Name	Course Category	Credits
9	PSG105	Psychology	WI	2
Total credits for Semester 2				**20**

SEMESTER 3

No.	Code	Course Name	Course Category	Credits
1	NUM204	Principles of Culinary	WI	2
2	NUM221	Principles of Culinary (Practicum)	WI	1
3	NUM222	Food Sciences and Technology	WI	2
4	NUM223	Food Sciences and Technology (Practicum)	WI	1
5	NUM224	Food Microbiology	WI	2
6	NUM225	Food Microbiology (Practicum)	WI	1
7	NUM226	Nutrition Analysis	WI	2
8	NUM101	Principles of Nutrition Science	WI	2
9	NUM216	Food Security	WI	2
10	AGB401 AGC401 AGH401 AGI401 AGK401 AGP401	Religion II	WIns	2
11	SOS236	Sociology of Nutrition	WIns	2
12	SOA103	Nutritional Anthropology	WIns	2
Total credits for Semester 3				**21**

SEMESTER 4

No.	Code	Course Name	Course Category	Credits
1	NUM227	Food Formulation	WI	2
2	NUM215	Food Formulation (Practicum)	WI	1
3	NUM302	Management of Industrial Food and Nutrition Services	WI	2
4	NUM329	Management of Industrial Food and Nutrition Services (Practicum)	WI	1
5	KLM304	Management of Industrial Food and Nutrition Services Fieldwork	WI	2
6	NUM105	Nutrition in the Life Cycle	WI	2

No.	Code	Course Name	Course Category	Credits
7	NUM229	Nutrition in the Life Cycle (Practicum)	WI	1
8	NUM406	Nutritional Assessment	WI	2
9	NUM402	Nutritional Assessment (Practicum)	WI	2
10	NUM231	Food and Nutrition Entrepreneurship (Practicum)	WIns	2
11	NUM211	Food Safety	WI	2
12	NUM103	Energy and Macronutrient Metabolism	WI	2
13	NUM104	Micronutrient Metabolism	WI	2
Total credits for Semester 4				**23**

SEMESTER 5

No.	Code	Course Name	Course Category	Credits
1	NUM321	Food Consumption Survey	WI	2
2	NUM322	Food Consumption Survey (Practicum)	WI	1
3	NUM203	Nutrition Education	WI	2
4	NUM323	Nutrition Education (Practicum)	WI	1
5	MAS210	Statistics	WI	2
6	MAS115	Statistics (Practicum)	WI	1
7	NUM306	Nutritional Computing (Practicum)	WI	2
8	BIF301	Pathophysiology for Infectious Diseases and Malnutrition	WI	2
9	BIF302	Pathophysiology for Degenerative Diseases	WI	2
10	NUM324	Standardized Nutrition Care Process (NCP)	WI	2
11	NUF302	Pharmacology and Food-Drug Interactions	WI	2
12	NUM314	Sports Nutrition	WI	2
13	 NUM209 NUM311 NUM310 NUM313 NUM312	Electives I Food and Nutrition Economics Nutrition and Productivity Nutrition and HIV/AIDS Emergency Nutrition Industrial Nutrition	Electives	2
Total credits for Semester 5				**23**

SEMESTER 6

No.	Code	Course Name	Course Category	Credits
1	NUD302	Dietetics for Infectious Diseases and Deficiency	WI	2
2	NUD303	Dietetics for Infectious Diseases and Deficiency (Practicum)	WI	1
3	NUD304	Dietetics for Degenerative Diseases	WI	2
4	NUD305	Dietetics for Degenerative Diseases (Practicum)	WI	1
5	NUM202	Nutritional Counseling	WI	3
6	PNM491	Research Methodology	WI	2
7	NUM318	Urban Nutrition	WI	2
8	NUM207	Nutrition Programs and Evaluation	WI	2
9	NUM210	Epidemiology of Nutrition	WI	2
10	BAE110	English	WI	2
11	KNM401	Community Services	WI	3
12	NUM315 PSO403 NUM326 NUM327	Electives II Vegetarian Nutrition Consumer Behavior Geriatric Nutrition Functional Food	Electives	2
Total credits for Semester 6				**24**

SEMESTER 7

No.	Code	Course Name	Course Category	Credits
1	NUM307	Current Nutrition Science and Technology	WI	2
2	PNM498	Thesis Proposal	WI	2
3	KLM402	Public Health Nutrition Fieldwork	WI	4
4	KLM403	Dietetics Fieldwork	WI	4
Total credits for Semester 7				**12**

SEMESTER 8

No.	Code	Course Name	Course Category	Credits
1	PNM499	Thesis	WI	4

No.	Code	Course Name	Course Category	Credits
Total credits for Semester 8				**4**

CHAPTER IX

COURSE DESCRIPTION FOR THE BACHELOR PROGRAM IN PUBLIC HEALTH

9.1 SEMESTER 1

AGI101 (Islam), AGP101 (Protestantism), AGK101 (Catholicism), AGH101 (Hinduism), AGB101 (Buddhism), and AGC101 (Confucianism)
Religion I – 2 Credits
This course discusses religious rules and laws in general that are related to daily life and character building.

BAI101 Indonesian – 2 Credits
This course discusses the Indonesian language's history, position, and function and elaborates on the Indonesian Spelling System General Guidelines (Pedoman Umum Ejaan Bahasa Indonesia or PUEBI) in forming effective sentences and paragraphs. This course also reviews academic article writing, referencing techniques, and presentations.

BIF113 Biomedical Sciences I – 3 Credits
This course employs lectures, discussions, and presentations as teaching methods. The material elaborates more on human body systems, comprising the musculoskeletal, integumentary, cardiovascular, respiratory, blood and lymphatic, digestive, urinary, auditory and visual, reproductive, endocrine, and immune systems.

ETM101 Health Law and Ethics – 2 Credits
This course discusses human rights (HAM), rights, and obligations; bioethics in health services and research; ethics, academic ethics, and health law and ethics; health code of ethics; health care ethics; informed consent in health care; malpractices; and professionalism and professional oath.

NOP103 Pancasila – 2 Credits
This course discusses the study of national history and the role of Pancasila as the national principles and the state ideology. It also confers about Pancasila's philosophical and ethical systems, its values as the basis of knowledge development, the precepts' meanings, and its implementation in nation and state lives.

KMU101 Introduction to Public Health Science – 2 Credits
This course covers the history of public health science; public health scopes; John Snow's epidemiological approach; declaration of ALMA-ATA; public health development in the 21st century; and holistic public health science

approach through the case studies of malnutrition in NTT, pre-marital sex, dengue fever, tuberculosis, HIV/AIDS, and stroke.

NOP101 Civics – 2 Credits

This course discusses civics as an orientation for enhancing the character of Indonesia as a nation, national identity, the state and the constitution, relations between the state and citizens, Indonesian democracy and democratic education in Indonesia, the state of law and human rights, Indonesia's geopolitics (archipelago insight) and geostrategy (national defense), national integrity, state defense, and anti-corruption education with the axiological basis for student behaviors in family, society, nation, and state lives.

SIP107 Data and Literature – 2 Credits

This course encourages students to interpret and utilize data appropriately and responsibly to formulate solid and coherent arguments, evaluate the quality of others' ideas, and make decisions. Students are encouraged to search, read, evaluate, and sort claims or information written in scientific literature. In this course, students can also practice organizing scientific references utilizing referencing management software.

KMU103 Health Communication and Basic Health Services – 2 Credits

This course reviews the basic concept of building altruism and motivation to grow empathy as prospective health professionals in solving health problems from community behavior and cultural perspectives. The holistic approach to health services, effective communication, and counseling are also discussed in this course. It also confers basic empathy that every prospective health professional must have and the implementation of therapeutic communication. Further discussions comprise the concept of health and illness in the community; current public health issues, their causes, and solutions in comprehensive, promotive, preventive, curative, and rehabilitative approaches; and the development of health promotion and several healthcare settings.

9.2 SEMESTER 2

KME201 Principles of Epidemiology – 2 Credits

This course discusses the description and scope of epidemiology, casual concepts, the natural history of diseases, prevention concepts, frequency measures, standardization, screening, disease patterns, and types of epidemiological research.

KMA101 Health Administration and Policy – 2 Credits

The materials of this course review the conceptual study of health administration and policy in public health. The scopes of both disciplines are elaborated more in the four main topics: administrative, organizational, management, and policy sciences. The four main topics are further reviewed and divided into several appropriate subtopics for discussion: definition, scope, development, and relevance in the health sector.

KMD104 Population Studies – 2 Credits

This course discusses the concept of population science; population data sources; demographic transition theory; composition, distribution, growth, and population pyramid; fertility, mortality, mobility, and employment theories; child protection; theory of marriage and divorce (nuptiality); and family formation.

EDM305 Health Promotion and Education – 2 Credits

This course discusses the concept of health paradigm, the history of health promotion development, basic concepts of health promotion (definition, principles, and ethics), health promotion strategies (enable, advocate, and mediate), behavioral theories related to health promotion, and key action areas and settings in health promotion.

BIF114 Biomedical Sciences II – 3 Credits

This course reviews the definition of bacteria, parasites, and viruses; entry mechanisms of pathogenic microorganisms into the body; *Mycobacterium tuberculosis* and *Mycobacterium leprae*; roles of intestinal protozoa and arthropods in disease transmission; *Escherichia coli* and *Salmonella typhi*; *Corynebacterium diphtheriae*; *Yersinia pestis* and *Leptospira sp.*; rabies; *Bacillus anthracis* and *coccus bacteria*; measles and polio; *Plasmodium sp.*, *Toxoplasma gondii*; helminths, HIV and hepatitis viruses, and avian and swine influenza viruses.

SOS320 Medical Sociology and Anthropology – 3 Credits

This course discusses the sociology of health, including the definition of sociology, status and roles, social interactions, sociometric practices, social inequality, groups and organizations, social stratifications, social changes, concepts of health and illness, and health problems (such as globalization and health, gender and health), and the anthropology of health, comprising the definition of anthropology, roles of anthropology in public health, the definition of culture, 3 (three) cultural forms, 7 (seven) cultural universals, theories of anthropology, cultural ecology, functionalism of kinship system, sociocultural aspects in health behaviors, cultural factors that influence health services, and cultural and health problems in Indonesia.

PHP103 Logical and Critical Thinking – 2 Credits

This course studies fundamental philosophical questions regarding the essence of science, how science works, methods of acquiring science, and implication of modern scientific developments. This course also aims to analyze the position of science in philosophy and the role of philosophy in the debates on the basic rules of modern science. In more detail, this course contains three main themes: first, exploring the differences between science and common sense, including the characteristics and methods of acquisition, which become the subjects of study in the philosophy of science. Second, analyzing the major transition in the philosophy of science tradition, namely falsification (Karl Raimund Popper) and paradigm shift or scientific revolutions (Thomas Kuhn). Third, reviewing classical debates in the philosophy of science, including the argumentation on whether science can wholly explain reality, how historical contextuality influences the development of science, and how science has succeeded (and failed) in transforming human civilization. Fourth, involving students to appreciate the practical implications of the philosophy of science to various modern research methodologies.

MNM107 Introduction to Scientific Collaboration – 2 Credits

This course discusses the motivation for building collaboration and cooperation, the concept of interprofessional collaboration in education, the basic idea of leadership and decision-making, interdisciplinary communication and collaboration, collaborative communication, the notion of community, implementation of collaboration in a community, project-based learning of interprofessional collaboration in education, and community project-based understanding of interprofessional collaboration in education.

KMU103 Communication and Self-Development – 2 Credits

This course offers the students insight and opportunities to explore their potential to develop and increase their capacity through collaboration by coaching activities in the Student Activity Unit (UKM) and other student organization activities.

9.3 SEMESTER 3

MAS111 Principles of Biostatistics – 2 Credits

This course reviews the definition, scopes, and roles of statistics; data and data scales; concepts and functions of descriptive statistics, population, and samples; central tendency, statistical diversity, and statistical measures of position; data presentation; the concept of inferential statistics and errors and the relationship between descriptive and inferential statistics; the concept and

principles of probability; discrete and continuous probability distributions; sample distributions; concept, steps, and testing a hypothesis; and estimation.

KME302 Epidemiology of Communicable Diseases – 2 Credits

This course discusses the magnitude of communicable disease issues, their distribution through the epidemiological approach, determinants and risk factors, and preventing and controlling aspects of communicable diseases. The discussion focuses on controlling and preventing communicable diseases and the basic pathogenic mechanisms of the selected communicable diseases, which are currently huge problems in public health. This course is conveyed through laboratory sessions and lectures in class.

SOK207 Public Health Communication – 3 Credits

This course discusses the definition, concepts, and principles of health communication; communication in health promotion; effective communication at the intrapersonal, interpersonal, group, and mass levels; health communication and behavior changes; theories in health communication; health communication in the culture and psychosocial; health communication planning and its implementation; and health communication practices via offline and online in social media.

KMA205 Principles of Hospital and Community Health Center Administration – 2 Credits

This course reviews the basic concepts of hospitals and community health centers, including the definition, the position in the health system and healthcare system, the primary duties and functions, and the scopes.
Moreover, the topic of hospital administration mainly discusses hospital licensing, classification, characteristics of services (covering organizational and consumer characteristics), organization and governance, statute (bylaws), minimum service standards and operational procedures, and quality and safety programs. Meanwhile, the topic of community health center administration specifically reviews the planning, performance assessment, referral system, and mini-workshops.

PSK204 Public Health Group Development – 2 Credits

This course discusses the definition of group development in public health, including group identity building, showing expressions (of feelings, creativities, preventing group breakdown, and building effective communication), skill development (passion and coordination system), increasing productivity, and commitment building about health through public health group development games.

LKM206 Principles of Environmental Health – 2 Credits

This course discusses the definition and concepts of environmental health ecology; hygiene and sanitation; health aspects and provision of clean water;

liquid and solid waste management; environmental pollution, including air, water, and soil; vector control; and food and beverage hygiene and sanitation.

KMK217 Principles of Occupational Health and Safety – 2 Credits
This course reviews the laws and regulations in OHS; the history and scopes of OHS; differences between public health, Occupational Health and Industrial Hygiene (OHIH), and five levels of disease and accident prevention; OHS and the National Advisory Committee of Occupational Safety and Health (NACOSH) programs; factors influencing workers' health; and health problems due to chemical or solvent, biological, and physical work environment.

KMD105 Community Reproductive Health – 2 Credits
This course discusses the concepts of community reproductive health; the human reproductive system and its diseases; women's health; safe motherhood I and II; family planning; abortion; child survival; adolescents, workers, and elderly reproductive health; sexuality and reproductive health; and the quality of reproductive health care and services.

NUM101 Principles of Nutrition Science – 2 Credits
This course discusses the basic concept of nutritional science as the fundamental understanding of nutritional science and nutritional biochemistry that will be studied further in the following semester. The discussion covers the history of nutritional science; the definition and scope of nutritional science; the relation between food and health; types, functions, and sources of dietary needs; and the basic concept of the recommended Nutrient Adequacy Ratio (NAR).

AGI401 (Islam), AGP401 (Protestantism), AGK401 (Catholicism), AGH401 (Hinduism), AGB401 (Buddhism), and AGC401 (Confucianism)
Religion II - 2 credits
This course discusses the application of religious rules and laws related to public health.

9.4 SEMESTER 4

PSK205 Community Empowerment in Health I – 2 Credits
This course reviews the development of public health in Indonesia; the definition of community empowerment; domains, elements, and frameworks of empowerment; social capital and community empowerment; the concept of participation; directive and non-directive approaches; models in community empowerment; and steps in community empowerment activities.

SII310 Health Information Systems (HIS) – 2 Credits

This course discusses the definition and concepts of Health Information Systems (HIS), HIS data management, HIS in Indonesia, HIS utilization in surveillance, health indicators, medical records, disease classification systems, database development, health information network system, and introduction to Geographic Information System (GIS).

KME204 Public Health Surveillance (Integrated) – 3 Credits

This course discusses the concept and implementation of public health surveillance systems in the fields of communicable diseases, non-communicable diseases, nutrition, environmental health, conditional (matra) health, behavioral health, and OHS. Furthermore, there are materials regarding the International Health Regulations as a form of surveillance implementation on diseases that have the potential to be transmitted among countries.

MNM404 Human Resource Management and Productivity in Healthcare — 2 credits

This course reviews Human Resource Management, including human resource planning, human resource development as the main asset in healthcare systems, and human resource productivity and performance assessment.

KME303 Epidemiology of Non-Communicable Diseases – 2 Credits

This course discusses the prevention of non-communicable diseases through the epidemiological approach; epidemiological problems of non-communicable diseases; preventive aspects in the epidemiology of non-communicable diseases; and epidemiology of cancer, cardiovascular and renal diseases, diabetes mellitus, cataracts, mental health, arthritis and rheumatism and bronchial asthma.

MNM309 Leadership and Thinking Systems in Public Health – 2 Credits

This study discusses the basic concept of leadership, differences between leaders and managers, duties and roles of leaders, leadership theories and styles, transformational leadership, and leadership effectiveness and development.

Moreover, there are discussions about the basic concept of organizational culture, including the functions and types, the forming process, and leaders in the attempt to maintain and maximize organizational culture.

LKM316 Environmental Quality Analysis – 2 Credits

This course reviews the introduction of environmental quality and methods and sampling techniques for physical, chemical, and biological analyses of water, air, and food.

MAS233 Inferential Biostatistics – 2 Credits

This course reviews the concept of inferential biostatistics tests; principles and applications of the one-sample t-test, two-sample t-test, one-way ANOVA, and multiple comparison tests (MCTs); concepts and applications of simple linear correlation and simple linear regression; and categorial data tests including the chi-squared test and the Fisher's test for independence.

MNW302 Integrated Entrepreneurship – 2 Credits
This course discusses familiarity and examples of business applications that can be created independently, as well as the guidelines and steps in creating a particular business.

NUM301 Introduction to Public Health Nutrition – 2 Credits
This course lets the students study the concept of nutritional science, its relation to public health, and five major nutrition problems in Indonesia, including protein and vitamin A deficiencies, anemia, iodine deficiency disorders, and obesity. Furthermore, this course also discusses factors related to those primary nutrition problems and the relationship between nutrition and infectious diseases or degenerative diseases.

9.5 SEMESTER 5

PNM405 Methodology of Quantitative and Qualitative Research – 3 Credits
This course reviews the nature of social reality or facts of quantitative research, dimensions and types of quantitative research, research processes I—IV, the social meaning nature of qualitative research, the qualitative research paradigm, qualitative research types, research process I and II, techniques of data collection and data analysis of qualitative research.

SOK326 Basics in Media Communication, Information, and Education – 2 Credits
This course discusses the process of communication and behavior changes, the diffusion of innovations, the design of effective health messages, health communication planning (p-process), and qualitative and quantitative research on health communication.

EKH301 Health Economics – 3 Credits
This course analyzes health programs from the micro dimensions and their relation to economic (macro dimension) and health sector developments.

KME419 Extreme Events and Disaster Management (Integrated) – 2 Credits
This course discusses two main points, that is disaster management and extreme events. Disaster management includes the definition of disaster, disaster preparedness, identification of community needs during a disaster, disaster management, and surveillance after a disaster. Meanwhile, extreme events management covers the definition of extreme events, investigation

preparation, description of extreme events, extreme events management, and early alert of extreme events.

KLM303 Fieldwork – 6 credits

This course discusses the introduction, comprehension, and appreciation of community life and environment aspects in the fieldwork area, public health problems, ways of solving health problems, and improvement of public health programs. Moreover, this course reviews the governance, health organizations, and priority programs in community health services. The results of this course are presented in the form of seminars and reports. Students also diagnose public health problems, offer alternative solutions, and develop, implement, and assess health programs that become the priority (see the Fieldwork Handbook).

MNS103 Public Health Program Planning and Evaluation (Integrated) (Practicum) – 3 Credits

This course discusses the theories, methods, techniques, planning software, and evaluation of public health programs.

SIK302 Public Health Computer Applications (Practicum) – 2 Credits

This course studies the introduction to Statistical Package for Social Sciences (SPSS) software program; the operation of SPSS in Windows; concepts of the data editor and data tabulation, descriptive data exploration, and data transformation; and the description of population differences using descriptive statistics, one-way ANOVA, free-sample t-test, paired-sample t-test, chi-square, correlation test, linear regression, simple logistic regression, and multiple logistic regression.

BAE115 English for Public Health – 2 Credits

This course discusses the introduction to English for academic purposes, grammar, vocabulary, and pronunciation. It conveys the strategies for various English skills in academic contexts. The reading and listening strategies in educational contexts cover the comprehension of the content and structure of verbal and written information. The reading and listening strategies are also employed for different purposes, such as input for completing an assignment, developing specific reading or listening skills, and using a dictionary to obtain lexical, phonological, and orthographical information. Meanwhile, written academic communication is delivered to identify and write standard functions in written academic discourse; take notes from reading and listening inputs; understand and apply principles of academic text structure; develop paraphrasing, summarizing, and referencing skills; improve editing and proofreading skills; and achieve appropriate tone and style in academic writing. Besides that, spoken academic communication is conveyed for recognizing the purposes of and differences between spoken and written communication in English educational contexts, identifying and practicing

interactional and linguistic aspects of participation in seminar discussions, discussing issues requiring the development and application of creative and critical thinking, and preparing and delivering oral presentations.

9.6 SEMESTER 6

KNM401 Community Services – 3 credits

Community Services or Community Outreach Programs (KKM-BBM) discusses the philosophy and basic concepts of community services, implementation of appropriate technology in rural areas, roles of students serving community services in rural development, identification of problems faced by rural communities, participation of rural communities in the development, communication with rural communities, and village and Family Empowerment Post (Posdaya) developments.

EMNK103 Health Financing and Budgeting – 2 Credits

This course reviews the budgeting mechanisms in the health sector, from budgeting preparation to evaluating budgeting program performances.

9.6.1 MINOR IN HEALTH ADMINISTRATION AND POLICY

PSO306 Organization Development – 2 Credits
This course studies world health reform, particularly in Indonesia and several other countries, based on the history of organization development, public social and political domains, and analysis of problems in every health organizational system. It also discusses the health service system in different countries and their social and political systems. The discussion is based on the history of health service system development, the public domain, the socio-economic system, the adopted politics, the system's influence on the providers' and consumers' behavior, and the analysis of issues in the developed health service systems.

MNS315 Healthcare Management Techniques and Tools – 4 Credits
This course reviews the SWOT analysis, Six Sigma, Lean, Theory of Constraints (ToC), the Workload Indicators of Staffing Needs (WISN), the European Foundation for Quality Management (EFQM), Program Evaluation and Review Technique (PERT) and Critical Path Method (CPM), Collaborative Requirements Development Methodology (CRDM) and Caseflow, House of Quality, Material Requirements Planning (MRP), Forecasting, Bullwhip Effect, District Health Account (DHA) and Provincial Health Account (PHA), and balanced scorecard (BSC).

MNS316 Community Health Center Management – 2 Credits
This course discusses certain studies regarding community health centers, such as their roles and position in health development, innovative program development, service excellence, and their relationships with the stakeholders.

MNS317 Hospital Management – 2 credits
This course examines the issues in health services, particularly in hospitals and community health centers. There are also several hospital studies, such as management of hospital service process, innovative program development, implementation of hospital technical rules, relationships between hospital and the stakeholders, and analysis of numerous case studies in hospital.

MNS304 Quality Management in Health Services –2 Credits
This course studies the concept of quality management in health services, the quality cycle, and diverse applicable methods to ensure the quality of health services.

MNS311 Logistic Management for Medicine, Equipment, and Healthcare Facility – 2 Credits

This course allows students to get familiar with the methods and operational approaches in the logistic management for medicine and health equipment and the planning concept and evaluation of the provision of health facilities.

9.6.2 MINOR IN BIOSTATISTICS AND POPULATION STUDIES

MAS208 Parametric Biostatistics – 3 Credits
This course discusses the concepts of parametric biostatistics tests, principles and applications of one-way and two-way ANOVA, concepts and applications of multiple linear regression, assumption of linear regression and the alternative if there are violations of assumptions, and principles and applications of time series and trends.

MAS322 Biostatistics for Semiquantitative Data – 2 Credits
This course studies the analysis of health data with the biostatistical concepts for semiquantitative data, correlation tests (including Spearman's, Kendall's Tau, and Kendall's concordance rank correlations), and difference tests (comprising Kolmogorov-Smirnov, Sign, Wilcoxon signed-rank, Wilcoxon Man-Whitney, median, Kruskal-Wallis, and Friedman tests).

MAS323 Biostatistics for Categorical Data – 2 Credits
This course reviews the analysis of health data with the biostatistical concepts for categorical data, categorical data tests (chi-square, Fisher's exact, McNemar's, and Cochran-Mantel-Haenzel tests), association tests (Cramer's, Gamma, Kappa, and Contingency coefficients), logistic regression (simple logistic regression, multiple logistic regression, and logistic regression modeling), and linear logistic.

PNM406 Health Research Design – 2 Credits
This course discusses the observational research design using the cross-sectional, case-control, and cohort techniques; the pre-experiment research design; and the experimental research designs with quasi-experiment, true experiments, and statistical experiments.

KMD312 Demographic Techniques – 2 Credits
This course allows the students to study various basic population measurements; measurement failures; measurement methods of fertility analysis; measurement methods, calculation, and interpretation of mortality analysis; analysis and interpretation of life tables; migration flows and urbanization levels; and measurements and analyses of migration levels, population projections and interpolation, population and welfare indicators, employments, and nuptiality (marriages and divorces).

KMD316 Population Fertility and Family Planning – 2 Credits

This course elaborates on the concepts and definitions of fertility and family planning, fertility determinants, the supply and demand for children, fertility regulations and their costs, the process of fertility decision-making, nuptiality and fertility (marriage, divorce, and family), social institutions and fertility, types and methods of contraception, side effects of contraception, contraceptive management (how to get, the correct way of use, goals, and targets of contraceptions), and population programs and family planning (Coaching for Families with Toddlers (BKB), Adolescents (BKR), and Elderly (BKL), and Self-Initiated Contraception (KB Mandiri)).

9.6.3 MINOR IN REPRODUCTIVE HEALTH AND MATERNAL AND CHILD HEALTH

KMD305 Maternal Health and Safety – 2 Credits

This course discusses concepts and definitions of maternal health, safety, and mortality; theories of maternal mortality determinants; complications during pregnancy, labor, and childbirth; principles of strategies for reducing maternal mortality; maternal health and reproductive status affecting maternal health and safety; assurance of access to maternal health services; antenatal and childbirth cares and family planning; women's position in the family and society; the Making Pregnancy Safer and Safe Motherhood movements and strategies; *Sayang Ibu* (Mother's Love) movement and component strategies of maternal and child health; current issues; the Millennium Development Goals (MDGs); and the policies and programs of maternal health safety in Indonesia.

KMD303 Child Survival – 2 Credits

This course discusses concepts and definitions of child mortality and survival; theories of child mortality determinants; temporary and cumulative morbidity; principles of strategies for reducing child mortality; maternal factors that affect child survival; environmental contamination and accidental factors that affect child survival; management of childhood illnesses; contextual conditions that affect child survival, including socio-economic factors and women's status in the family and society; detection and disorders of child growth and development; indicators of reducing infant and child mortality; current issues; and the policies and programs of child survival in Indonesia.

KMD304 Adolescent Sexual and Reproductive Health – 2 Credits

This course reviews the introductions to adolescent health and sexual and reproductive health, sexual behavior, unwanted pregnancy, abortion, adolescent and drugs, pre-menstrual syndromes and HIV/AIDS, child marriage, adolescents in the future, and reproductive health services for adolescents.

KMD306 Population Fertility and Family Planning – 2 Credits

This course elaborates on the concepts and definitions of fertility and family planning, fertility determinants, the supply and demand for children, fertility regulations and their costs, the process of fertility decision-making, nuptiality and fertility (marriage, divorce, and family), social institutions and fertility, types and methods of contraception, side effects of contraception, contraceptive management (how to get, the correct way of use, goals, and targets of contraceptions), and population programs and family planning (Coaching for Families with Toddlers (BKB), Adolescents (BKR), and Elderly (BKL), and Self-Initiated Contraception (KB Mandiri)).

KMD307 Mortality – 2 credits

This course reviews the concepts of mortality, determinants of mortality, Mosley-Chen model of mortality, fertility and mortality theory by Mahadevan, and case studies on child mortality.

KMD304 Workers Sexual and Reproductive Health – 2 Credits

This course reviews the introduction to workers' sexual and reproductive health; workers' health problems; workers' health epidemiology; work environment as a factor affecting workers' sexual and reproductive health; exposures to the tropical climate affecting workers' sexual and reproductive health; code of conduct and ethics for workers; protection against women workers, such as annual leave, menstrual leave, maternity leave, breastfeeding leave, miscarriage leave, marriage leave, aspects of women workers as mothers, and lactation rooms; reproductive health services for workers and health care insurance; issues on child labor, including preventive attempts on child labor; trafficking, sexual workers, and HIV and workers; and policies and programs on workers' protection.

KMD314 Elderly Sexual and Reproductive Health – 2 Credits

This course discusses the concepts and theories of the elderly and their sexual and reproductive health; the dynamics of the elderly population; determinants of elderly sexual and reproductive health; elderly reproductive phases, including pre-menopause, menopause, and male menopause (andropause); elderly sexuality and welfare; policies and programs for elderly; and elderly sexual and reproductive health problems as well as health services and insurance for elderly.

9.6.4 MINOR IN EPIDEMIOLOGY

KME422 Health Measurement – 2 Credits

This course allows students to study health measurement, including the definition of measurement, measurement scales, sources of variation in measurement, and measurement precision and accuracy. This course also

elaborates on numerous health measurements, comprising physical disability, social health, psychological condition, depression and mental status, pain, and quality of life.

KME426 Epidemiology of Prevention and Control of Cardiovascular Diseases and Strokes – 3 Credits

This course discusses the theories of preventing and controlling heart diseases and strokes, including the risk factors, the health care costs (direct and indirect cost), the burden of disease, early detection, the prevention and management, and the efforts to increase the survivors' quality of life or rehabilitation. It also discusses the prevention and control of heart diseases and strokes through nutrition and exercise, the stakeholders (comprising the government, parliament, and civil society), and health promotion efforts in preventing and controlling heart diseases and strokes.

KME417 Epidemiological Research – 2 Credits

This course elaborates on the concepts and principles of epidemiological research; criteria of clausal relationships in drawing conclusions; the types, designs, and components; and critical appraisal of the previous studies.

KME407 Epidemiology of Tropical Diseases – 3 Credits

This course discusses the magnitude, prevention, and control of tropical diseases, the distribution in the epidemiological approach, the determinants and risk factors of infectious diseases, and the preventive aspects of tropical disease management. Furthermore, the discussion focuses on controlling and preventing tropical diseases and the basic pathogenic mechanisms of several selected tropical diseases that are significant problems in public health.

KME420 Epidemiology of Accidents – 2 credits

This course reviews the materials regarding the definition, scopes, problems, and causes of accidents. It also discusses the concept of prevention in accidents. Moreover, in this course, students study the distribution of accidents according to place, time, and person. It also covers the accident frequency rate, accident incident rate, and accident severity rate. Students can also study the relationship between workers' absenteeism and disease patterns and the implementation of epidemiological research methods in accidents.

KME403 Epidemiology of Cancers – 3 credits

This course delivers the concepts of epidemiology of cancers, carcinogen toxicology, and descriptive epidemiology of cancer problems in Indonesia, covering lung, cervical, nasopharyngeal, leukemia, breast, liver, and colorectal cancers. There are also discussions on the epidemiological studies of cancers and the basis for conducting critical reviews on the previous studies' results.

9.6.5 MINOR IN HEALTH NUTRITION

NUM404 Nutrition (Practicum) – 2 credits

This course consists of the practicum on the anthropometric measurement methods of nutritional status assessment (PSG); body size and composition; data references; advantages and disadvantages of the anthropometric methods; the anthropometric methods of PSG on infants, toddlers, and adults; biochemical parameters on PSG; clinical parameters on PSG, including physical signs interpretation, functional assessment, advantages and disadvantages of clinical parameters on PSG, and clinical signs of various nutritional problems; indirect PSG; the WHO Anthro and WHO AnthroPlus software; counseling on growth and feeding, the dietetic parameters on PSG at the national, household, and individual levels; dietary quality; and meal plan.

NUM304 Food Technology and Nutrition – 2 Credits

This course reviews the influence of food processing principles, comprising temperatures, drying, fermentation, and food additives; characteristics of food; nutrition packaging and storage to increase the added values and use of food; and the current issues on food.

EDM401 Nutrition Education – 2 Credits

This course allows students to learn about the relationship among research, theories, and practices (including problems in nutrition education, determinants of diet and food choices, and theoretical framework and research); theory-based nutrition education design procedures (steps 1-6); implementation of nutrition education by working with diverse populations; best practices of public policies and ethics; hands-on experiences with the Emo-Demo method; and the monitoring and evaluation of nutrition education programs.

KME406 Epidemiology of Nutrition – 2 Credits

This course examines the epidemiologic triangle; nutritional epidemiology determinant, distribution, and variable; the natural history of the nutritional disease; study design of observational nutritional epidemiology; and experimental study design of nutritional epidemiology.

NUM318 Urban Nutrition – 2 Credits

This course elaborates more on urban nutrition. The materials discussed in this course are nutritional problems in urban areas, such as the double and triple burden of malnutrition, and the causes, such as genetics, fetal programming, individual variation, lifestyle, behavior, sociocultural impact, and environments, namely food, economy, and physical or built environment. This course also analyzes demographic, epidemiologic, and nutrition transitions.

The existing double-duty action programs and policies for nutrition are also described in this course.

NUM401 Food Safety – 2 Credits

This course discusses the introduction to food safety; food quality and security from biochemical aspects, physical, microbial, and chemical contaminants, and food standards; regulations, consumer protection, prevention, and control of food additives intoxication; and cases, prevention, and management of microbial intoxication. This course also elaborates on Hazard Analysis Critical Control Points (HACCP), including the system, basic requirements in the application, implementation, and program planning.

9.6.6 MINOR IN OCCUPATIONAL HEALTH AND SAFETY

KMK102 Occupational Safety – 2 Credits

This course discusses Occupational Health and Safety (OHS) in construction areas, hospitals, maritime, informal sectors, transportation, oil and gas, disasters and fire, and evaluation of the OHS Management System.

KMK101 Occupational Health – 2 Credits

This course elaborates on the scope of occupational health studies; preventive and promotive efforts; occupational health programs, workplace health services in the formal industrial and informal sectors; initial, periodic, and special health checks, hyperbaric (diving) and hypobaric (airspace) occupational health; health risk assessment (HRA); health risk management; and the recording and reporting systems.

KMK214 Ergonomics and Work Physiology 1 – 2 Credits

This course discusses ergonomics basic concept and its problems, work capacity and workload, the relationship between humans and machines, workplace design, work attitude and fatigue, work productivity, ergonomic display and Video Display Terminal (VDT), ergonomic risk assessment, organizing work, anthropometry and physical fitness, decorations and music, and color psychology.

PSI307 Industrial Psychology – 2 Credits

This course elaborates on the human resource planning process, selection and placement of labor, training and development, group organization and leadership, motivation and job satisfaction, occupational stress, workplace conflict, performance appraisal, and job title analysis.

KMK106 Industrial Hygiene 1 – 2 Credits

This course examines industrial hygiene concepts (including physical, chemical, and biological factors), Threshold Limit Values (TLVs) and Personal Protective Equipment (PPE), industrial ventilation, cafeteria, housekeeping, Respiratory Tract Hazards (RTH), and sanitation facilities in companies.

FAT304 Industrial Toxicology I – 2 Credits
This study examines the basic principle of toxicology, covering the physicochemical properties of toxic substances, toxicokinetics, toxicodynamics, and understanding the basic toxicology principles of chemicals circulating on target organs.

9.6.7 MINOR IN ENVIRONMENTAL HEALTH

NUM102 Food Sanitation – 2 Credits
This course examines the principles of food sanitation, food, and beverage sanitation management, food additives, Good Manufacturing Practice (GMP), ISO 22000, the HACCP, digestive system, and food-borne illnesses.

LKM406 Control of Zoonotic Diseases – 2 Credits
This course examines the definition and scope of zoonotic or animal-borne diseases, the epidemiology and distribution of transmission mechanisms, and their control.

LKM314 Field Instrumentation and Observation – 3 Credits
This course discusses the introduction, use, and tools application related to environmental health.

LKM313 Water Management – 2 Credits
This course is delivered through lectures, group discussions, and presentations. This course discusses clean water, drinking water, water bodies, water criteria and classes, water supply, water contaminants, water's relation to health and disease, water inspection, water quality control, water treatment, and urban and rural water supply.

LKM312 Waste Management – 2 Credits
This course is delivered through direct lectures, site visits, and presentations. It elaborates on the source and types of waste (including liquid, solid, and gaseous waste) and the effect on public health, liquid waste management systems (covering oxidation ditch, activated sludge, filtration, aeration, and sludge management), wastewater gardens, liquid waste management in the industrial area, fecal waste management, solid waste management (comprising 4R, landfill, incinerator, and, composting), biogas, and microbial transmission.

LKM309 Vector and Rodent Control – 2 Credits
This course describes the definition of vectors and rodents, parasitology, environmental health, and sociological aspects of vector and rodent control.

9.6.8 MINOR IN HEALTH PROMOTION AND BEHAVIORAL SCIENCE

MNS312 Health Promotion Indicators and Measurements – 2 Credits
This study elaborates on the definition of healthy, mental health, and social health; health promotion indicators and their types; and the definition and measurement indicators of knowledge, attitude, practice, perception, motivation, and self-efficacy.

SOK325 Health Promotion Media Development (Practicum) – 3 Credits
This study outlines the processes from planning to developing health promotion media with the basis of graphic media (by utilizing various types of media, such as mugs, pins, posters, or banners), audio-visual media (by producing short movies or audio-visual public service announcement), and audio media (by developing radio programs or advertisements).

EDM306 Health Promotion in Institutions – 3 Credits
This study elaborates on health promotion practices in various institutional settings. It also discusses the community or group empowerment in institutions to recognize health levels and issues, overcome, maintain, improve, and protect their health, and maintain and improve healthy institutions. This study explores the introduction to health promotion in institutions, workplaces, schools, and hospitals; health promotion of the elderly and adolescents; and current issues on health promotion in institutions.

PSC304 Health Psychology – 2 Credits
This course examines various psychological concepts related to public health, covering the history of health psychology development; health psychology; the definition, source, and theory of stress; stress management and approach in public health; the social cognitive approaches of behavior determinants; behavioral compliance; the process of seeking help; personality; behavior patterns; health status measurement; and current issues on public health.

MNS313 Health Promotion Programs – 3 Credits
In this course, students are expected to understand the examples of health promotion programs, grasp the theories of intervention mapping and Dignan, and analyze health promotion programs based on the intervention and Dignan theories.

9.7 SEMESTER 7

PNM496 Research Methodology (Practicum) – 3 Credits
This course examines the basics, guidelines, and steps of doing scientific writing in public health.

9.7.1 MINOR IN HEALTH ADMINISTRATION AND POLICY

MNP309 Health Services Marketing – 2 Credits
This course studies marketing concept development in the health sector, the heart, mind, and market share of marketing concepts, service marketing strategies and tactics in the health sector, customer behavior, internal and interactive marketing, customer relationship marketing (CRM), and brands.

MNS407 Health Insurance – 2 Credits
This course discusses the definition and system of financing and health insurance, health financing in several countries, Provincial Health Account (PHA) and District Health Account (DHA), health cost control, the concepts and forms of insurance, health insurance management, insurance control, payment systems to providers, managed care, utilization review (UR), and disease and case management.

SII407 Health and Hospital Management Information System – 2 Credits
This course examines the basic concepts, scope, planning and development stages, and the application of management information systems (MIS) in health and hospitalization. The related topics are the basic concepts of health and hospital MIS; the role of information and communication technology (ICT) in health and hospital MIS; the role of MIS in decision making in health and hospitalization; differences between data and information and their role in health and hospitalization; the MIS planning and development phases; approach in conducting system analysis, system design, and application of MIS in health and hospitals; several fields of information system studies, including geography information systems, health status information systems, health accounting information systems, health facility inventory systems for hospitals, inventory information systems, financial information systems, human resources information systems, marketing information systems, and service processes; and quality assurance programs and evaluation of health and hospital MIS.

KMA404 Health Policy Analysis – 3 Credits
This course discusses the management of community health centers and their managerial problems.

MNS408 Strategic Management in Healthcare – 2 Credits

This course discusses the general description and relevance of strategic management; strategic management models; organizational concepts, visions, and missions; organizational environment analysis; organizational culture and structure; strategic leadership; corporate-level strategies; strategic formulation; balanced scorecard; and strategic control.

9.7.2 MINOR IN BIOSTATISTICS AND POPULATION STUDIES

SIK304 Biostatistics Computer Applications (Practicum) – 2 Credits
This course reviews the skills of operating computers for data management, data analysis, and results description.

SIK303 Population Analysis Computer Applications (Practicum) – 2 Credits
This course discusses the introduction of population analysis computer applications using Mortpak, Spectrum, and Excel; population data evaluation utilizing Myers, Whipple, and Join Score Indexes; population data heap using Prorate, Financial Aid Suspension (Graduasi), and age group breakdown; population data processing; fertility measurement; fertility size association employing CBR, GFR, and TFR; mortality and life expectancy measurements; population projection with DemProj Module-Spectrum application; fertility impact analysis on socio-economics using RAPID Spectrum-Module application on health, education, economy, and environment; and population advocacy of population projection results.

PNM407 Sampling Techniques and Size Determination – 2 Credits
This course elaborates on the non-random and random sampling techniques (such as simple random sampling, systematic random sampling, stratified random sampling, and cluster random sampling) in observational or survey studies, ways to estimate sample size from several observational sampling techniques, sampling techniques and methods to calculate the sample size of experimental studies, and sampling techniques for rapid survey studies.

SII314 Introduction to Geographic Information System – 2 Credits
This course discusses the concept of geographic information systems, methods of compiling geographical maps to describe health problems with a spatial approach for surveillance, and spatial correlation and spatial regression tests.

MAS623 Basics in Multivariate Analysis – 2 Credits
This course discusses matrix types and operations, Hotelling's T matrix operation, MANOVA, canonical correlation, discriminant analysis, and cluster analysis.

9.7.3 MINOR IN REPRODUCTIVE HEALTH AND MATERNAL AND CHILD HEALTH

KMD308 Sex, Gender, and Sexuality – 2 Credits
This course discusses the concepts of gender, body, and reproductive health, the social construction of human sexuality, the relationship between genders and adolescent reproductive health, the relationship between gender and the reproductive health of fertile couples, gender analysis in reproductive health, the relationship between gender and the elderly, patriarchy and gender equality in reproductive health, and study of lesbian, gay, bisexual, and transsexual (LGBT).

KMD310 Techniques of Fertility, Family Planning, and Mortality Measurement – 2 Credits
This course conveys an introduction to fertility, birth control, and mortality measurement techniques, population data sources, population size, fertility measure, life tables, mortality measure, contraception measure, population projections, population and welfare indicators, and marriage and divorce (nuptiality) measure.

PNM409 Sampling Methods for Population Studies – 2 Credits
This course elaborates on the non-random and random sampling techniques (such as simple random sampling, systematic random sampling, stratified random sampling, and cluster random sampling) in observational or survey studies, ways to estimate sample size from several observational sampling techniques, sampling techniques and methods to calculate the sample size of experimental studies, sampling techniques for rapid survey studies, and quick count and sampling methods for large-scale research.

9.7.4 MINOR IN EPIDEMIOLOGY

KME423 Risk and Disease Mapping – 2 Credits
This course discusses descriptive epidemiology as a foundation for mapping disease patterns and risks. The mapping skills will be conveyed using Health Mapper and EpiMap software.

KME301 Epidemiology of Vaccine-Preventable Diseases – 3 Credits
The materials are delivered in lectures and practicums and focus on the existence of epidemiological principles in vaccine-preventable diseases (VPDs), such as the concept of vaccine immunology, national vaccination programs, vaccination schedules, post-vaccination follow-up, and the epidemiology of various VPDs, such as tuberculosis, diphtheria, pertussis, tetanus, measles, poliomyelitis, hepatitis-B, mumps, rubella, and varicella.

KME413 Data Management in Epidemiology – 2 Credits
This course is a practicum (computer practice) utilizing the Epi Info software, which covers epidemiological data management, data management stages for surveillance activity data, and epidemiological research. It also includes the analysis of epidemiological data for surveillance, epidemiological research data, association measures, and risk size calculations.

KME414 Health Screening – 3 Credits
This course discusses the principles of screening, analyzing screening programs and tool capabilities, screening activities for diseases and health problems, physical and laboratory examinations for screening, and screening implementation results design, execution, and presentation.

9.7.5 MINOR IN HEALTH NUTRITION

NUM3012 Nutrition and Food Service Management – 2 Credits
This course discusses food services; menu planning; production management, including food procurement, storage, preparation, cooking, and distribution; cost control; organization and management, comprising human resources management, physical facilities, and layout; sanitation and food safety; energy and waste management; financial data management and processing; promotion and cooking; and trends and issues in food services.

NUM307 Current Nutrition Science and Technology – 2 Credits
This course is knowledge enrichment to train students' critical analysis of various issues in food and nutrition in Indonesia and worldwide, develop thesis materials, and organize seminar events.

NUM216 Food Security – 2 Credit
This course discusses the concept and paradigm of food security; determinants and indicators of food security; food security systems; food security conditions nationwide and worldwide from various aspects, such as production, availability, distribution, consumption, and food security, and the double burden of malnutrition; identification and measurement of food insecurity using the Food Insecurity Atlas (FIA) and the Information System Security Management and Assessment Program (ISMAP); and social capital and coping mechanisms.

NUM209 Food and Nutrition Economics – 2 Credits
This course discusses the relationship between economic variables and food consumption and nutrition, the relationship between economic development and improved nutrition, economic policies and their effects on food consumption and nutrition, principles of minimizing food consumption costs,

feasibility analysis and evaluation of food and nutrition programs, and measurement of the economic impact on nutrition problems.

NUM408 Nutrition and Productivity — 2 Credits
This course includes discussions on nutrition and work productivity; nutrition problems in institutions, such as CED, obesity, anemia, hypertension, hypercholesterolemia, and hyperuricemia; specific nutrition problems of female workers, such as pregnancy, menstruation, and lactation; workers' nutritional needs, such as macronutrients and micronutrients; work environment factors affecting workers' nutritional state; workers' nutrition in hot places and places exposed to radiation; and provision of meals at workplace.

SOK103 Nutritional Anthropology – 2 Credits
This course elaborates on an introduction to nutritional anthropology; the development of food system, food habits, and food preferences; ethnicity and eating habits; geographical dimensions of food and consumption; food ideology system; adaptive behavior on food and nutrition fulfillment; socio-cultural aspects during pregnancy, breastfeeding, and raising infants and children; food ethnography; nutritional anthropology study methods; and data collection, analysis, and interpretation on food consumption.

9.7.6 MINOR IN OCCUPATIONAL HEALTH AND SAFETY

FAT305 Industrial Toxicology II – 2 Credits
This course discusses the toxic effects of several chemical groups, including metals, organic solvents, pesticides, fibrogenic dust, asphyxiant gases, alcohols and aldehydes, and carcinogens, mutagen, and teratogens.

KMK202 Occupational Diseases – 2 Credits
This course describes the history and understanding of occupational diseases and how to diagnose them; causes of occupational diseases, including physical factors (such as noise, vibration, light, air pressure, and radiation), chemical factors (such as dust, steam, fume), micro-organism factors, occupational allergies, and psychology; diagnosis of disability from work accidents; and occupational diseases reporting.

KMK310 Industrial Hygiene II – 3 Credits
This course discusses the application of the Hazard Identification, Risk Assessment, and Risk Control (HIRARC) method on physical factors, including noise, vibration, radiation, lighting, climate, and pressure, and biological and chemical factors, including gas, solid, and liquid.

KMK312 Occupational Health and Safety Risk Management – 2 Credits

This course discusses risks in the work environment, hazard identification techniques, Occupational Health and Safety Assessment Series (OHSAS), qualitative and quantitative risk analysis techniques, basic concepts and implementation of risk management, Occupational Health and Safety Management System (SM3K) and its normative foundation, and SM3K audit.

KMK313 Occupational Health and Safety Implementation (Practicum) – 2 Credits
This course describes work climate, lighting, noise, dust measurement, pulmonary physiology, audiometry, blood pressure, blood chemistry, physical freshness, workload, and work fatigue.

KMK306 Ergonomics and Work Physiology II – 2 Credits
This course elaborates more on the measurement of mental and physical load; the risk management and assessment methods of manual handling work; Recommended Weight Limit (RWL) and Lifting Index (LI); risk assessment of musculoskeletal disorders using Ovako Working posture Assessment System (OWAS), Rapid Upper Limb Assessment (RULA), Rapid Entire Body Assessment (REBA), and Nordic Body Map methods; and time and motion studies.

9.7.7 MINOR IN ENVIRONMENTAL HEALTH

LKM308 Environmental Sanitation – 2 Credits
This course discusses diseases, accidents, and their parameters, regulations related to environmental sanitation health, fecal-oral transmission diseases, housing and health, and excreta management.

LKM310 Environmental Management – 2 Credits
This course focuses on environmental management, which includes Environmental Management Regulations; ISO 14000; Environmental Economic Instruments; Environmental Damage Prevention Instruments; Environmental Audits; Environmental Impact Assessment (EIA), comprising Community Engagement, Methodology, and Scoping; Environmental Management and Monitoring Efforts (UKL-UPL); and Environmental Risk Analysis.

MNS404 Environmental Health Risk Assessment – 3 Credits
This course discusses Ecological Risk Assessment, Human Health Risk Assessment, Environmental Health Risk Assessment, Environmental Health Impact Assessment (EHIA), studies of Environmental and Public Health Assessment in EIA, and ISO 9000 and ISO 14000.

KME425 Environmental Health Aspects in Disaster Management – 2 Credits

This material discusses the disaster management cycle, disaster risk, disaster characteristics, health problems during disasters, disaster management, refugee management, and environmental health planning.

FAT206 Environmental Toxicology – 2 Credits
This course elaborates more on the definition and scope of environmental toxicology, how toxicants work, dose-response relationship (toxicometry), toxicokinetics, toxicodynamics, biotransformation, identification of toxicants, toxic chemicals in the environment, body load on chemicals, distribution of chemicals in the environment, and clarification on the poisonous effect of food additives.

9.7.8 MINOR IN HEALTH PROMOTION AND BEHAVIORAL SCIENCE

SOK408 Integrated Health Marketing Communication – 2 Credits
This course discusses an introduction to integrated health marketing communications (MarCom), basic concepts of MarCom, Combi, behavior change, personal selling, direct marketing, advertising, customer service, e-commerce events, packaging, sales promotion, sponsorship, trade shows, public relations, market research, and MarCom strategies.

EDM402 Health Politics – 2 Credits
This course focuses on an introduction to political science, the history of public health movements and health promotion, sustainable development and health, social exclusion, discrimination and health promotion, public services and health, health problems as political issues, and public health in social and action contexts.

PSI407 Organizational Behavior – 2 Credits
This course elaborates more on organizational concepts and theories; individual differences, values, and diversity; emotions, attitudes, and job satisfaction; social perception and attribution in organizations and the role of motivation in organizations; teamwork in health promotion programs and health promotion organizational communication; and power and politics in organizations as well as organizational culture and change.

PSK303 Community Empowerment in Health II – 3 Credits
This course discusses Participatory Rural Appraisal, empowerment levels, empowerment setting, evaluation of community empowerment, sustainability of community empowerment programs, cases of community empowerment programs, and community empowerment activities.

SOS402 Social Determinants of Health – 3 Credits

The materials presented in this course include the concept of social determinants, specific issues in public health, and the role of public health in social determinants of health.

9.8 Semester 8

KKM401 Internships – 3 Credits

An internship is a structured academic activity that must be conducted by all students of the Bachelor Program in Public Health as a prerequisite to obtaining a Bachelor of Public Health (S.K.M.) degree. Internships are carried out as learning activities while working in agencies, organizations, or community groups, guided by academic staff according to their fields and following the activities' general goals and specific objectives.

PNM499 Thesis – 4 Credits

A thesis is the final project of the study that comprises the independent introduction of various scientific information on public health of interest, aspects or problems of in-depth public health approaches, and the preparation of writings following the applicable scientific writing rules.

CHAPTER X

COURSE DESCRIPTION FOR THE BACHELOR PROGRAM IN NUTRITION

10.1 SEMESTER 1

AGI101 (Islam), AGP101 (Protestantism), AGK101 (Catholicism), AGH101 (Hinduism), AGB101 (Buddhism), and AGC101 (Confucianism)
Religion I – 2 Credits
This course discusses religious rules and laws in general that are related to daily life and character building.

NOP102 Pancasila – 2 Credits
This course discusses the study of national history and the role of Pancasila as the national principles and the state ideology. It also confers about Pancasila's philosophical and ethical systems, its values as the basis of knowledge development, the precepts' meanings, and its implementation in nation and state lives.

NOP103 Civics – 2 Credits
This course discusses civics as an orientation for enhancing the character of Indonesia as a nation, national identity, the state and the constitution, relations between the state and citizens, Indonesian democracy and democratic education in Indonesia, the state of law and human rights, Indonesia's geopolitics (archipelago insight) and geostrategy (national defense), national integrity, state defense, and anti-corruption education with the axiological basis for student behaviors in family, society, nation, and state lives.

BAI101 Indonesian – 2 Credits
This course discusses the Indonesian language's history, position, and function and elaborates on the Indonesian Spelling System General Guidelines (*Pedoman Umum Ejaan Bahasa Indonesia* or PUEBI) in forming effective sentences and paragraphs. This course also reviews academic article writing, referencing techniques, and presentations.

SIP107 Data and Literature – 2 Credits
This course encourages students to interpret and utilize data appropriately and responsibly to formulate solid and coherent arguments, evaluate the quality of others' ideas, and make decisions. Students are encouraged to search, read, evaluate, and sort claims or information written in scientific literature. In this course, students can also practice organizing scientific references utilizing referencing management software.

ETM101 Health Law and Ethics – 2 Credits

This course discusses human rights (HAM), rights, and obligations; bioethics in health services and research; ethics, academic ethics, and health law and ethics; health code of ethics; health care ethics; informed consent in health care; malpractices; and professionalism and professional oath.

KMU103 Basic Communication and Health Services – 2 Credits

This course reviews the basic concept of building altruism and motivation to grow empathy as prospective health professionals in solving health problems from community behavior and cultural perspectives. The holistic approach to health services, effective communication, and counseling are also discussed in this course. This course also discusses the fundamentals of empathy that future health professionals must have and the application of therapeutic communication. Further discussions comprise the concept of health and illness in the community; current public health issues, their causes, and solutions in comprehensive, promotive, preventive, curative, and rehabilitative approaches; and the development of health promotion and several healthcare settings.

MAT108 Mathematics – 2 Credits

This course elaborates on the introduction to mathematics for nutrition, mathematical logic, systems of linear equation, linear programs, functions and their graph, limit and continuity of functions, functions derivatives and their use, extrapolation and interpolation, data presentation, the size of centering, size of the spread, and the introduction to probability.

KID109 Organic and Inorganic Chemistry – 3 Credits

This course discusses the atomic structure and periodic systems; chemical bonds, comprising ionic, covalent, coordination, and hydrogen bonds; stoichiometry; redox and thermochemistry; reaction rate; reaction equilibrium; solutions, including types, concentrations, and colligative properties; introduction to organic chemistry, consisting of aliphatic hydrocarbons (alkanes, cycloalkanes, and haloalkanes), alkenes and alkynes, and aromatic compounds; and alcohol and ether.

10.2 SEMESTER 2

BIF104 Physiology – 4 Credits

This course discusses Introduction to physiology, the cardiovascular system, body fluids and blood, the respiratory system, the urinary system, the digestive

system, the endocrine system, and the exchange of energy and body temperature

PHP103 Logical and Critical Thinking – 2 Credits

This course studies fundamental philosophical questions regarding the essence of science, how science works, methods of acquiring science, and implication of modern scientific developments. This course also aims to analyze the position of science in philosophy and the role of philosophy in the debates on the basic rules of modern science. In more detail, this course contains three main themes: first, exploring the differences between science and common sense, including the characteristics and methods of acquisition, which become the subjects of study in the philosophy of science. Second, analyzing the major transition in the philosophy of science tradition, namely falsification (Karl Raimund Popper) and paradigm shift or scientific revolutions (Thomas Kuhn). Third, reviewing classical debates in the philosophy of science, including the argumentation on whether science can wholly explain reality, how historical contextuality influences the development of science, and how science has succeeded (and failed) in transforming human civilization. Fourth, involving students to appreciate the practical implications of the philosophy of science to various modern research methodologies.

MNM107 Introduction to Scientific Collaboration – 2 Credits

This course discusses the motivation for building collaboration and cooperation, the concept of interprofessional collaboration in education, the basic idea of leadership and decision-making, interdisciplinary communication and collaboration, collaborative communication, the notion of community, implementation of collaboration in a community, project-based learning of interprofessional collaboration in education, and community project-based understanding of interprofessional collaboration in education.

MNM106 Communication and Self-Development – 2 Credits

This course offers the students insight and opportunities to explore their potential to develop and increase their capacity through collaboration by coaching activities in the Student Activity Unit (UKM) and other student organization activities.

BIA102 Anatomy – 2 Credits

This course reviews the introduction to anatomy, cells, and tissues; anatomical structure of the outer surface of the body; respiratory and endocrine systems

anatomy; reproductive system in men and women; nervous system anatomy; humans' five senses system anatomy; and digestive, excretory, urinary, and cardiovascular systems anatomy.

BID107 Introduction to Human Biology – 2 Credits

This course elaborates on the definition and scope of human biology in health and nutrition; the definition, history, and functions of embryology in solving anatomical abnormalities; the primary substance of protoplasm constituents of human cells; the process of protoplasm synthesis in the cytoplasm and the occurrence of cell division; reproductive organs and gametogenesis; spermatogenesis and oogenesis; ovulatory process; human reproductive cycle; menstrual cycle; menses, proliferative, and secretion phases until the union of gametes forming a zygote; zygote division; segmentation and formation of morula, blastula, and gastrula; the differentiation of the germinal layer forming the embryo's organs (organogenesis); various inherited congenital disorders; pregnancy period susceptible to abnormalities and the influence of external and environmental factors, such as infection, radiation, drugs, and nutrition, on congenital abnormalities; genetic material, genotype functions, and phenotype functions; basics of Mendell inheritance and sex determination; genital and autosomal adrift; double allele; and population genetics.

MNU401 Principles of Management – 2 Credits

This course elaborates on the history of administrative development; the concept and scope of organization and management; the definition of organizations, including organizational principles, structures, and behaviors; the definition and functions of management, comprising planning, organizing, staffing, directing, coordinating, reporting, and budgeting; leadership and management techniques; and basic concepts of strategic management.

BIK102 Introduction to Biochemistry – 2 Credits

This course discusses bioenergetics, redox, and tricarboxylic acid (TCA) cycle; enzymology; carbohydrate metabolism; water and mineral metabolism; membrane and transport; amino acid metabolism; lipid metabolism; purine-porphyrin-pyrimidine metabolism; xenobiotic metabolism; blood and immune system; acid-base balance; oxidants and antioxidants; gene expression and protein synthesis; and endocrine.

PSG105 Psychology – 2 Credits

This course discusses the introduction to psychology, human development, introduction to cognitive processes, memory and concepts, intelligence and

cognitive development, language, problem-solving and creativity, learning models, concepts of self and moral development, motivation, behavior, counseling, and measurement and evaluation in the learning process.

10.3 SEMESTER 3

NUM204 Principles of Culinary – 2 Credits

This course reviews the introduction to culinary; definition, purposes, and types of culinary nutrition implementation; materials and types of equipment; work plan, sanitation, and work accidents; foodstuffs, comprising basic foodstuffs, sugar and alcohol, food sources of animal and plant proteins, vitamins, minerals, fats, and seasonings; and soft drinks and light meals, including beverages and snacks.

NUM221 Principles of Culinary (Practicum) – 1 Credit

This course reviews the introduction to culinary; definition, purposes, and types of culinary nutrition implementation; materials and types of equipment; work plan, sanitation, and work accidents; foodstuffs, comprising basic foodstuffs, sugar and alcohol, food sources of animal and plant proteins, vitamins, minerals, fats, and seasonings; and soft drinks and light meals, including beverages and snacks.

NUM222 Food Sciences and Technology – 2 Credits

This course discusses the introduction to food sciences and basic knowledge of food ingredients; physical, chemical, and physiological characteristics of food ingredients, including cereals, tubers, nuts, poultry, beef, fish, eggs, milk, vegetables, fruits, and spices; and functional food.

NUM223 Food Sciences and Technology (Practicum) – 1 Credit

This course discusses the introduction to food sciences and basic knowledge of food ingredients; physical, chemical, and physiological characteristics of food ingredients, including cereals, tubers, nuts, poultry, beef, fish, eggs, milk, vegetables, fruits, and spices; and functional food.

NUM224 Food Microbiology – 2 Credits

This course explains the characteristics and sources of microbes and growth factors of microorganisms in food, ways to control the microorganisms' growth, how to enumerate and detect microbes in food, and the use of microbes and nutrient changes.

NUM225 Food Microbiology (Practicum) – 1 Credit

This course involves identifying various types of microbes in food products, the utilization and change of nutrients, and the organoleptic properties of food ingredients caused by microbes.

NUM226 Nutrition Analysis – 2 Credits

This course elaborates more on the characteristics of food sources of carbohydrates, fats, proteins, fat-soluble and water-soluble vitamins, macro and microminerals, and the qualitative and quantitative principles and techniques for analyzing them.

NUM101 Principles of Nutrition Science – 2 Credits

This course discusses the definition and history of nutritional science; the relationship between nutritional science and other disciplines; the relationship between food, nutrition, and health; various kinds of nutrients, such as carbohydrates, proteins, fats, energy, fat-soluble vitamins, water, water-soluble vitamins, macrominerals, and microminerals; and the concept of Nutrient Reference Value, including the Estimated Average Requirement (EAR), Recommended Daily Allowance (RDA), and Tolerable Upper Intake Level (UL).

NUM216 Food Security – 2 Credit

This course reviews the concept and paradigm of food security; determinants and indicators of food security; food security systems; food security conditions nationwide and worldwide from various aspects, such as production, availability, distribution, consumption, and food security, and the double burden of malnutrition; identification and measurement of food insecurity using the Food Insecurity Atlas (FIA) and the Information System Security Management and Assessment Program (ISMAP); and social capital and coping mechanisms.

AGB401 Buddhism II – 2 Credits
This course elaborates on the relationship between religious laws and health nutrition and the application of Buddhism in health nutrition.

AGC401 Confucianism II – 2 Credits
This course explains the relationship between religious laws and health nutrition and the application of Confucianism in health nutrition.

AGH401 Hinduism II - 2 Credits
This course reviews the reasons and ways to deliver Hinduism in universities, the history of Hinduism development, how human beings believe and understand their Gods, understanding the Vedas as the source of Hindu law,

techniques to build ethics and morality in life, Hinduism's methods in building unity in diversity, Hinduism's strategies in facing the modernization challenges and science and technology development, Hinduism's contributions to the development of world civilization, the local culture's roles and functions in the development of Hindu culture, Hindus' obligations as part of the Indonesian nation, Hindus' challenges in facing the national moral crisis, moral and identity problems, and the ability to read the Vedas.

AGI401 Islam II – 2 Credits

This course discusses nutrition and food according to Islam, the diet of the Prophet of Allah, maternal nutrition, child nutrition in Islamic guidance, childcare in Islam, food beliefs and taboos from the Islamic perspective, reproductive health from the Islamic perspective, halal (permissible) and haram (forbidden) food, contemporary medical and health fiqh issues in Islam, nutrition-related diseases and curative efforts in Islam, fasting nutrition, social system and rules in Islam, and Islam as a holistic order of life.

AGK401 Catholicism II - 2 Credits

This course discusses the identity of Protestant public health students, vision and motivation, the concepts of health and illness, exemplary, responsibility for the environment, prioritization, time management, leadership, effective communication, research ethics, witnessing through family, and Capita Selecta.

AGP401 Protestantism II – 2 Credits

This course discusses the identity of Protestant public health students, vision and motivation, the concepts of health and illness, exemplary, responsibility for the environment, prioritization, time management, leadership, effective communication, research ethics, witnessing through family, and Capita Selecta.

SOS236 Sociology of Nutrition – 2 Credits

This course discusses sociological concepts, definitions and perspectives of health sociology, sociological aspects affecting nutrition and health behaviors, and food and nutrition politics.

SOA103 Nutritional Anthropology – 2 Credits

This course elaborates on an introduction to nutritional anthropology; the development of food system, food habits, and food preferences; ethnicity and eating habits; geographical dimensions of food and consumption; food ideology system; adaptive behavior on food and nutrition fulfillment; socio-cultural aspects during pregnancy, breastfeeding, and raising infants and children; food ethnography; nutritional anthropology study methods; and data collection, analysis, and interpretation on food consumption.

10.4 SEMESTER 4

NUM227 Food Formulation – 2 Credits

This course reviews the introduction to the need for New Product Development (NPD) and the development of traditional and modern food formulas for nutritional target groups according to age, including infants, toddlers, children, adolescents, pregnant women, and the elderly through food trial stages. The stages include goal setting for the food experiment, formulation of nutritional food problems, formulation of food and beverage product concepts, food and beverage experiment design, packaging and label design, formulation practices for the new food and beverage, sensory assessment of food, and data processing and analysis of food experiment results.

NUM215 Food Formulation (Practicum) – 1 Credit

This course reviews the introduction to the need for New Product Development (NPD) and the development of traditional and modern food formulas for nutritional target groups according to age, including infants, toddlers, children, adolescents, pregnant women, and the elderly through food trial stages. The stages include goal setting for the food experiment, formulation of nutritional food problems, formulation of food and beverage product concepts, food and beverage experiment design, packaging and label design, formulation practices for the new food and beverage, sensory assessment of food, and data processing and analysis of food experiment results.

NUM302 Management of Industrial Food and Nutrition Services – 2 Credits

This course discusses food services; menu planning; production management, including food procurement, storage, preparation, cooking, and distribution; cost control; organization and management, comprising human resources management, physical facilities, and layout; sanitation and food safety; energy and waste management; financial data management and processing; promotion and cooking; and trends and issues in food services.

NUM329 Management of Industrial Food and Nutrition Services (Practicum) – 1 Credit

This course elaborates on how to conduct and regulate the mass food service system, which includes food procurement; food storage, preparation, and processing; menu preparation and evaluation; human resource management, finance, and facilities; sanitary hygiene and food safety; waste management; and promotion and marketing.

KLM304 Management of Industrial Food and Nutrition Services Fieldwork – 2 Credits

This fieldwork is conducted explicitly for the Management of Industrial Food and Nutrition Services course, which elaborates on how to conduct and regulate the mass food service system, including food procurement; food storage, preparation, and processing; menu preparation and evaluation; human resource management, finance, and facilities; sanitary hygiene and food safety; waste management; and promotion and marketing.

NUM105 Nutrition in the Life Cycle – 2 Credits

This course focuses on various aspects of nutrition and its problems in life stages, consisting of pre-conception nutrition, nutrition during pregnancy, nutrition for breastfeeding mothers, infant and toddler nutrition, preschooler nutrition, student nutrition, adolescent nutrition, adult nutrition, elderly nutrition, and nutrition and normal aging.

NUM229 Nutrition in the Life Cycle (Practicum) – 1 Credit

This course focuses on various aspects of nutrition and its problems in life stages. In this course, students can conduct nutritional interventions based on nutrient roles, dietary needs, and different nutritional concerns in each cycle of human life.

NUM406 Nutritional Status Assessment – 2 Credits

This course discusses the anthropometric nutritional status assessment (PSG), including weaknesses and disadvantages of anthropometric methods, errors, body size measurements, body composition measurements, reference standards, and evaluation of anthropometric indicators; biochemical nutritional status assessment, including proteins, vitamins A, D, C, B, E, selenium, iodine, iron, calcium, and zinc; clinical nutritional status assessment, consisting of physical sign interpretation, functional assessment, the weaknesses of clinical nutritional status assessment, and clinical signs of various nutritional problems; and indirect nutritional status assessment.

NUM402 Nutritional Status Assessment (Practicum) – 2 Credits

This course discusses the anthropometric nutritional status assessment (PSG), including weaknesses and disadvantages of anthropometric methods, errors, body size measurements, body composition measurements, reference standards, and evaluation of anthropometric indicators; biochemical nutritional status assessment, including proteins, vitamins A, D, C, B, E, selenium, iodine, iron, calcium, and zinc; clinical nutritional status assessment, consisting of physical sign interpretation, functional assessment, the weaknesses of clinical nutritional status assessment, and clinical signs of various nutritional problems; and WHO Anthro and Anthro Plus.

NUM231 Food and Nutrition Entrepreneurship (Practicum) – 2 Credits

This course focuses on implementing a business plan for food and nutrition entrepreneurship, marketing products and services through various market place platforms, and evaluating the entrepreneurship results.

NUM211 Food Safety – 2 Credits

This course discusses the introduction to food safety; food quality and security from biochemical aspects, physical, microbial, and chemical contaminants, and food standards; regulations, consumer protection, prevention, and control of food additives intoxication; and cases, prevention, and management of microbial intoxication. This course also elaborates on Hazard Analysis Critical Control Points (HACCP), including the system, basic requirements in the application, implementation, and program planning.

NUM103 Energy and Macronutrient Metabolism – 2 Credits

This course conveys an introduction to thermodynamics, equilibrium and non-equilibrium reactions; metabolism regulation and control; an overview of energy production or carbohydrate metabolism; glycolysis; beta-oxidation or TCA cycle; Electron Transfer System (ETS); glycogenolysis, gluconeogenesis, the Cori cycle; fatty acids metabolism, acylglycerol, and sphingolipids; cholesterol and lipoprotein metabolism; protein synthesis and degradation, metabolism, turnover, and adaptation; and amino acid metabolism.

NUM104 Micronutrient Metabolism – 2 Credits

This course is the continuation of basic nutritional science, which discusses the absorption, transportation mechanism, metabolism, excretion of various micronutrients like vitamins and minerals, and the interaction mechanism of micronutrients with nutrients and other compounds.

10.5 SEMESTER 5

NUM321 Food Consumption Survey – 2 Credits

This material explains the principles of food consumption assessment, which includes various food intake assessment instruments and consumption patterns, methods of food consumption measurement, analysis and interpretation of food consumption assessment results, and dietary quality measurement at the individual, group, and national levels.

NUM322 Food Consumption Survey (Practicum) – 1 Credit

This course demonstrates how to assess food consumption, which includes food intake assessment instruments and consumption patterns, methods of food consumption measurement, analysis and interpretation of food consumption assessment results, and dietary quality measurement at the individual, group, and national levels.

NUM203 Nutrition Education – 2 Credits

This course focuses on definition and concepts of nutrition education; dietary guidelines; determinants of food selection patterns, changes in dietary patterns, and implications for nutrition education; setting, audience, and scope of nutrition education; theory of behavior change underlying nutrition education, including the health belief model, the theory of planned behavior, the precaution adoption process model, and the self-determination theory; environmental support for nutrition education, comprising interpersonal environment (family, peers, and social supports) and organizational-level environment (school and workplace setting); nutrition education media; nutrition education strategies in groups and organizations; nutrition education via websites; nutrition education strategies through mass media; and designing nutrition education methods and media with assignments.

NUM323 Nutrition Education (Practicum) – 1 Credit

This course contains the practice of planning, implementing, and evaluating the success of nutrition education by applying theories of behavior change, including the health belief model, the theory of planned behavior, the precaution adoption process model, and the self-determination theory; environmental support for nutrition education, comprising interpersonal environment (family, peers, and social supports) and organizational-level environment (school and workplace setting); nutrition education media design; nutrition education strategies in groups and organizations; nutrition education via websites; and nutrition education strategies through mass media.

MAS210 Statistics – 2 Credits

This course provides students with an overview of statistics that will be used as a basis for conducting research or a thesis. This course elaborates on the definition, scope, and role of statistics in the field of nutrition; data, data scale, and data type; descriptive statistics; the size of centering; the measure of diversity; data presentation; the concept of inferential statistics; theory of probability and random numbers; statistical distribution; estimation test; statistical test selection techniques; and quantitative data analysis and presentation in nutrition research and nutritional status determination.

MAS115 Statistics (Practicum) – 1 Credit

This course practices statistical tests that will be used as a basis for conducting research or a thesis. This course practices the concept of inferential statistics; theory of probability and random numbers; statistical distribution; estimation

test; statistical test selection techniques; and quantitative data analysis and presentation in nutrition research and nutritional status determination.

NUM306 Nutritional Computing (Practicum) – 2 Credits

This course discusses the introduction of several software for nutrition, such as the Desirable Dietary Pattern (DDP), Emergency Nutrition Assessment (ENA), Food Balance Sheet (FBS), WHO Anthro and WHO AnthroPlus, NutriSurvey, Epi Info, Nutriclin, and Monitoring Nutritional Status applications.

BIF301 Pathophysiology for Infectious Diseases and Malnutrition – 2 Credits

This course conveys pathophysiology or the mechanism of physiological changes due to infectious disease and deficiency, followed by an analysis of mechanisms related to the role of nutrients as risk factors and therapy. This course is delivered through paper writing assignments and presentations with the scientific and latest approaches following science development. The course comprises the pathophysiology of HIV/AIDS, respiratory tract infections, anemia, malnutrition, upper digestive and lower gastrointestinal tract infections, hepatobiliary system infections, and sepsis.

BIF302 Pathophysiology for Degenerative Diseases – 2 Credits

This course discusses the pathophysiology or the mechanism of the physiological changes due to diseases because of deterioration of body organ function or degenerative processes, followed by analysis related to the role of nutrients both as risk factors and therapy. This course is delivered through paper writing assignments and presentations with the scientific and latest approaches following science development. The material comprises the pathophysiology of obesity, hypertension, dyslipidemia, diabetes mellitus, metabolic syndrome, cardiovascular disease, cancer, and chronic kidney disease.

NUM324 Standardized Nutrition Care Process (NCP) – 2 Credits

This course discusses the duties, authorities, and aspects of professional ethics and the legality of the nutritionist profession in hospitals; the Standardized Nutrition Care Process (NCP), including assessment, diagnosis, intervention, and nutritional monitoring and evaluation; the NCP in various cases of disease; case presentation; and field trips to hospitals.

NUF302 Pharmacology and Food-Drug Interactions – 2 Credits

This material explains the principles of pharmacokinetics (PK) and pharmacodynamics (PD); the concept of drug absorption consumed with food, drug boosters, and inhibitors; the effects of drug consumption on nutritional status; drug and food interactions in chronic diseases, gastrointestinal diseases, and cancer; drugs and enteral feeding interactions; drug and food interactions in children, the elderly, pregnancy, and lactation; the influence of nutritional status on drugs; and drug and supplement interactions.

NUM314 Sports Nutrition – 2 Credits

This course elaborates on sports physiology; metabolism in various sports; energy, macro, and micronutrient needs; fluid balance; diet management; determination of athletes' nutritional status with body composition; nutritional regulation during training and competition; doping supplementation; and ergogenic aids.

Electives I

NUM209 Food and Nutrition Economics – 2 Credits

This course discusses the relationship between economic variables and food consumption and nutrition; the relationship between economic development and improved nutrition; economic policies and their effects on food consumption and nutrition; principles of minimizing food consumption costs, feasibility analysis, and evaluation of food and nutrition programs; and the measurement of the economic impact of nutritional problems.

NUM311 Nutrition and Productivity – 2 Credits

This course includes discussions on nutrition and work productivity; nutrition problems in institutions, such as CED, obesity, anemia, hypertension, hypercholesterolemia, and hyperuricemia; specific nutrition problems of female workers, such as pregnancy, menstruation, and lactation; workers' nutritional needs, such as macronutrients and micronutrients; work environment factors affecting workers' nutritional state; workers' nutrition in hot places and places exposed to radiation; and provision of meals at workplace.

NUM310 Nutrition and HIV/AIDS – 2 Credits

This course focuses on the epidemiology of HIV/AIDS nationwide and worldwide; the concept of HIV/AIDS and immunity; nutrients related to HIV/AIDS, such as anti-oxidants and trace elements; the ARV treatment and nutrition; use of herbs and non-nutritive supplements in HIV/ADS; nutrition support and care for adult PLHIV, including nutritional needs and status assessment, nutritional care, treatment, and wasting management; nutrition support and care for pregnant and lactating women with HIV positive, infants and young children (IYC) 0-24 months born to HIV-positive mothers, and

IYC 0-24 months who are HIV positive; nutritional counseling for PLHIV and groups affected by HIV/AIDS; HIV/AIDS in the context of food security; and mitigation for HIV/AIDS impacts.

NUM313 Emergency Nutrition – 2 Credits

This course elaborates on emergency problems in Indonesia; main nutritional problems in emergencies, such as protein-energy undernutrition (PEU) and micronutrient problems; nutritional status assessment and nutritional surveillance in emergencies for individuals and populations; general principles of feeding in emergencies, including the selection of food types according to population conditions, rationing, hygiene issues, and distribution; general principles of emergency nutrition in vulnerable groups, comprising feeding for infant and young child, pregnant women, and elderly; supplementary feeding during emergencies, consisting of blanket and targeted supplemental feeding, selection of different foods, portions, beneficiaries, and distribution; therapeutic feeding during emergencies, comprising the Recovery Complementary Feeding Programs (PMT-P), general procedures of PMT-P on chronic PEU, therapeutic feeding general procedures, preparation and feeding, care and treatment, signs of recovery, complications, organization, and therapeutic feeding center; organization, such as cross-sector coordination, community participation, and operationalization; rehabilitation, including psychosocial and mental health problems, minimizing dependence on assistance and facilitation during rehabilitation, and exit strategy; and monitoring and evaluation.

NUM312 Industrial Nutrition – 2 Credits

This course discusses nutrition in the food industry, supplements and functional foods, nutrition research and market research in the food industry, regulations on supplements and functional foods, food fortification in Indonesia, food labeling, nutrition labeling and claims, food and nutrition labeling on infant formula products and formulations for babies with special needs, food additives, food irradiation and biotechnology, contamination in the food industry, food production regulations, food distribution regulations, food safety regulations, and Good Manufacturing Practices (GMP) in the food industry.

10.6 SEMESTER 6

NUD302 Dietetics for Infectious Diseases and Deficiency – 2 Credits

This course conveys the theories and application of standardized nutrition care planning in various infectious and deficiency diseases with the latest scientific approaches following dietetic science development. The material in this

course includes dietetics for respiratory tract infections, gastrointestinal tract diseases, HIV/AIDS, malnutrition, hepatitis, and sepsis.

NUD303 Dietetics for Infectious Diseases and Deficiency (Practicum) – 1 Credit

This course is a practicum on standardized nutrition care management with problem-based learning methods on various infectious and deficiency diseases with the latest scientific approaches following dietetic science development. The course comprises dietetics for respiratory tract infections, gastrointestinal diseases, HIV/AIDS, malnutrition, hepatitis, and sepsis.

NUD304 Dietetics for Degenerative Diseases – 2 Credits

This material is a practicum on standardized nutrition care management with problem-based learning methods on various degenerative disease conditions with the latest scientific approaches following dietetic science development. This course comprises dietetics for cancer, hypertension, dyslipidemia, coronary heart disease, stroke, metabolic syndrome, diabetes mellitus, and kidney failure.

NUD305 Dietetics for Degenerative Diseases (Practicum) – 1 Credit

This material is a practicum on standardized nutrition care management with problem-based learning methods on various degenerative disease conditions with the latest scientific approaches following dietetic science development. This course comprises dietetics for cancer, hypertension, dyslipidemia, coronary heart disease, stroke, metabolic syndrome, diabetes mellitus, and kidney failure.

NUM202 Nutritional Counseling – 3 Credits

This course focuses on the introduction to nutrition counseling; counseling interview approaches and techniques; the transtheoretical model and motivational interviewing; counseling theories and direct practices in various groups and settings, including pregnant women, nursing mothers, children, adolescents, people with diabetes mellitus, people with gout, people with hypertension, elderly, and prospective pilgrims; and nutrition-aware family (kadarzi) and child growth.

PNM491 Research Methodology – 2 Credits

This course discusses an introduction to research methods. What is elaborated on in this course includes scientific and non-scientific knowledge, research scope in nutrition, and qualitative and quantitative approaches in research. It also explains the systematics of writing thesis proposals, including preparation of background, problem identification, problem formulation, research

objectives and benefits; research's conceptual framework and hypothesis; research methods, comprising research types and designs, population and samples, operational variables and definitions; data analysis processing and techniques; and research ethics. Furthermore, it also conveys ways to display research results and make discussions, conclusions, and suggestions. In addition, students are also taught to compose scientific articles following the style guide of journals managed by the Department of Health Nutrition, namely Media Gizi Indonesia (MGI) and Amerta Nutrition.

NUM318 Urban Nutrition – 2 Credits

This course elaborates more on urban nutrition. The materials discussed in this course are nutritional problems in urban areas, such as the double and triple burden of malnutrition, and the causes, such as genetics, fetal programming, individual variation, lifestyle, behavior, sociocultural impact, and environments, namely food, economy, and physical or built environment. This course also analyzes demographic, epidemiologic, and nutrition transitions. The existing double-duty action programs and policies for nutrition are also described in this course.

NUM207 Nutrition Programs and Evaluation – 2 Credits

This course elaborates on the steps for the preparation and evaluation of community nutrition programs; including the stages of situation analysis; problem prioritization and analysis; SWOT identification and analysis of problem-solving alternatives; determination of activity goals and targets; preparation of activity matrices; evaluation of program success for various nutritional problems, such as PEU, obesity, chronic fatigue, anemia, vitamin A deficiency, and iodine deficiency disorder; food safety and security.

NUM210 Epidemiology of Nutrition – 2 Credits

This course conveys the description and distribution of nutritional diseases, determinants and variables of nutritional diseases, validity and reliability of consumption and nutritional intake assessment with 24-hour dietary recall, validity and reliability of consumption and nutritional intake assessment with food frequency questionnaire, sensitivity and specificity of biochemical indicators of nutritional status, sensitivity and specificity of anthropometric assessment and body composition, bias in nutritional assessment, epidemiological research design, experimental research, dietetic data analysis and presentation, and nutritional surveillance.

BAE110 English – 2 Credits

This course discusses the introduction to English for academic purposes, grammar, vocabulary, and pronunciation. It conveys the strategies for various English skills in academic contexts. The reading and listening strategies in educational contexts cover the comprehension of the content and structure of verbal and written information. The reading and listening strategies are also employed for different purposes, such as input for completing an assignment, developing specific reading or listening skills, and using a dictionary to obtain lexical, phonological, and orthographical information. Meanwhile, written academic communication is delivered to identify and write standard functions in written academic discourse; take notes from reading and listening inputs; understand and apply principles of academic text structure; develop paraphrasing, summarizing, and referencing skills; improve editing and proofreading skills; and achieve appropriate tone and style in academic writing. Besides that, spoken academic communication is conveyed for recognizing the purposes of and differences between spoken and written communication in English educational contexts, identifying and practicing interactional and linguistic aspects of participation in seminar discussions, discussing issues requiring the development and application of creative and critical thinking, and preparing and delivering oral presentations.

KNM401 Community Services – 3 Credits

Community Services or Community Outreach Programs (KKM-BBM) discusses the philosophy and basic concepts of community services, implementation of appropriate technology in rural areas, roles of students serving community services in rural development, identification of problems faced by rural communities, participation of rural communities in the development, communication with rural communities, and village and Family Empowerment Post (Posdaya) developments.

Electives II

NUM315 Vegetarian Nutrition – 2 Credits

This course conveys the history of vegetarianism, its description, types, and trends; vegetarian diet and risk factors for coronary heart disease; vegetarian diet and cancer risk; vegetarian diet and obesity prevention; vegetarian diet and osteoporosis and diabetes prevention; growth and development of vegetarian children and adolescents; vegetarian diet in pregnant women and breastfeeding mothers; vegetarian diet for the elderly; vegetarian diet for athletes; nutrients that need to be considered on a vegetarian diet; health-promoting phytochemicals; and vegetarian diet, dietary guidelines, and vegetarian food guide.

PSO403 Consumer Behavior – 2 Credits

This course explains and provides an understanding of the concepts, definitions, characteristics, and benefits of nutrition science and the latest research concerning the marketing of nutritional products.

NUM326 Geriatric Nutrition – 2 Credits

This course discusses the definition of geriatrics; the aging process, including physical, physiological, psychological, and hormonal changes; anthropometric measurements and determination for the nutritional status of the elderly; nutritional problems of the elderly; nutrition services for individuals and communities; dietary needs and menu planning in healthy and ill elderly; nutritional needs and menu planning in community nutrition services for elderly; antioxidants and activities for the elderly; myths related to elderly nutrition; and the implementation of elderly nutrition services.

NUM327 Functional Food – 2 Credits

This course focuses on the concepts of probiotics, synbiotics, and para probiotics and phytochemicals as antioxidants. In addition, students can also explain the definition, characteristics, sources, metabolism, health benefits, and the latest research on several compounds in functional foods, such as sugar alcohol, dietary fibers, fermented metabolites like short-chain fatty acids (SCFA) and peptides, polyphenols, flavonoids, isoflavones, phytosterols and phytosterols, choline, lecithin, inositol, carnitine, squalene, and caffeine. Furthermore, students are expected to elaborate on the definition, characteristics, sources, metabolism, health benefits, and research on several compounds in nutraceuticals, such as glucosamine, chondroitin, methylsulfonylmethane, coenzyme Q10, melatonin, octacosanol or policosanol, S-adenosyl methionine, monounsaturated (MUFA) and polyunsaturated fatty acids (PUFA), gamma-Linolenic acid (GLA), alpha-Linolenic acid (ALA), conjugated linoleic acid (CLA), flax lignin, pycnogenol, resveratrol, beta-glucan, lycopene, lutein, zeaxanthin, astaxanthin, lipoic acid, dehydroepiandrosterone, and keratin.

10.7 SEMESTER 7

NUM307 Current Nutrition Science and Technology – 2 Credits

This course is knowledge enrichment to train students' critical analysis of various issues in food and nutrition in Indonesia and worldwide, develop thesis materials, and organize seminar events.

PNM498 Thesis Proposal - 2 Credits

This course focuses on the research proposal for the thesis. The format discussed includes background, research questions, determination of research

objectives and benefits, a literature review, concept framework, hypothesis, and research methods based on interest in nutrition, which is prepared following the applicable scientific writing rules.

KLM402 Community Nutrition Fieldwork – 4 Credits

This course discusses and practices directly in nutrition and food services, such as community health services (puskesmas), schools, orphanages, and sports centers. Students will focus on assessing the nutritional condition of individuals, families, or communities; planning and managing food services or nutrition interventions to maintain and improve the nutritional status and level of individuals or families and advocacy activities in dealing with dietary problems.

KLM403 Dietetics Fieldwork – 4 Credits

This course discusses and practices directly in hospitals on assessing patients' nutritional conditions, planning and managing dietetic services to patients, referring patients with dietary problems that cannot be handled alone, following up on self-managed and returning patients after referral, and operating hospital meal activities.

10.8 SEMESTER 8

PNM499 Thesis – 4 Credits

A thesis is the final project of the study that comprises the independent introduction of various scientific information on the nutrition of interest, aspects or problems of in-depth nutrition approaches, and the preparation of writings following the applicable scientific writing rules.

CHAPTER XI

LIST OF LECTURERS

THE FACULTY OF PUBLIC HEALTH
UNIVERSITAS AIRLANGGA

LIST OF ACTIVE COURSE LECTURERS

NO.	NAME	DEPARTMENT OR DIVISION	NIP
1	Prof. Dr. dr. Chatarina U. Wahjuni, M.S., M.P.H.	Epidemiology	19540916 198303 2 001
2	Prof. Dr. dr. Tri Martiana, M.S.	Occupational Health and Safety	19560303 198701 2 001
3	Prof. Dr. drh. Ririh Yudhastuti, M.Sc.	Environmental Health	19591224 198701 2 001
4	Dr. Drs. M. Bagus Qomaruddin, M.Sc.	Health Promotion and Behavioral Science	19650216 199002 1 001
5	Dr. Ir. Lilis Sulistyorini, M.Kes.	Environmental Health	19660331 199103 2 002
6	Prof. Dr. Ir. Annis Catur Adi, M.Si.	Nutrition	19690301 199412 1 001
7	Dr. dr. Arief Wibowo, M.S.	Biostatistics and Population Studies	19590310 198601 1 001
8	Dr. dr. Hari Basuki Notobroto, M.Kes.	Biostatistics and Population Studies	19650625 199203 1 002
9	Prof. Dr. Sri Sumarmi, S.K.M., M.Si.	Nutrition	19680625 199203 2 002
10	Dr. Ir. Mahmudah, M.Kes.	Biostatistics and Population Studies	19690110 199303 2 002
11	Dr. Rachmah Indawati, S.K.M., M.K.M.	Biostatistics and Population Studies	19660525 199303 2 002
12	Prof. Dr. drg. Nyoman Anita Damayanti, M.S.	Health Administration and Policy	19620228 198911 2 001
13	Dra. Endang Dwiyanti, M.Kes.	Occupational Health and Safety	19661023 199303 2 001
14	Dr. Dra. Ec. Thinni Nurul Rochmah, M.Kes.	Health Administration and Policy	19650211 199103 2 002

NO.	NAME	DEPARTMENT OR DIVISION	NIP
15	Dr. Ir. Rr. Soenarnatalina Melaniani, M.Kes.	Biostatistics and Population Studies	19601225 199003 2 001
16	Dr. Indriati Paskarini, S.H., M.Kes.	Occupational Health and Safety	19660411 199103 2 001
17	Dr. Fariani Syahrul, S.K.M., M.Kes.	Epidemiology	19690210 199403 2 002
18	Dr. Djazuly Chalidyanto, S.K.M., M.A.R.S.	Health Administration and Policy	19711108 1998021001
19	Dr. Drs. Mohammad Zainal Fatah, M.S., M.Kes.	Health Promotion and Behavioral Science	19600416 199403 1 002
20	Dr. Ir. Yustinus Denny Ardyanto W., M.S.	Occupational Health and Safety	19631215 199802 1 001
21	Dr. Drs. Abdul Rohim Tualeka, M.Kes.	Occupational Health and Safety	19661124 199803 1 002
22	Retno Adriyani, S.T., M.Kes.	Environmental Health	19750609 200312 2 001
23	Lailatul Muniroh, S.K.M., M.Kes.	Nutrition	19800525 200501 2 004
24	Dr. drg. Arief Hargono, M.Kes.	Epidemiology	19730126 199802 1 001
25	Dr. Lucia Yovita Hendrati, S.K.M., M.Kes.	Epidemiology	19681019 199503 2 001
26	Dr. Lutfi Agus Salim, S.K.M., M.Si.	Biostatistics and Population Studies	19700820 199702 1 001
37	Dr. drg. Ernawaty, M.Kes.	Health Administration and Policy	19660420 199203 2 002
28	Dr. Noeroel Widajati, S.K.M., M.Sc.	Occupational Health and Safety	19720812 200501 2 001
29	Dr. Diah Indriani, S.Si., M.Si.	Biostatistics and Population Studies	19760503 200212 2 001
30	Dr. Nunik Puspitasari, S.K.M., M.Kes.	Biostatistics and Population Studies	19670924 199203 2 004
31	Dr. dr. Santi Martini, M.Kes.	Epidemiology	19660927 199702 2 001
32	Dr. drg. Setya Haksama, M.Kes.	Health Administration and Policy	19650914 199601 1 001

NO.	NAME	DEPARTMENT OR DIVISION	NIP
33	Dr. R. Azizah, S.H., M.Kes.	Environmental Health	19671231 199303 2 003
34	Sudarmaji, S.K.M., M.Kes.	Environmental Health	19721210 199702 1 001
35	Dr. Muji Sulistyowati, S.K.M., M.Kes.	Health Promotion and Behavioral Science	19731115 199903 2 002
36	Dr. Ratna Dwi Wulandari, S.K.M., M.Kes.	Health Administration and Policy	19751018 199903 2 002
37	Dr. Sri Widati, S.Sos., M.Si.	Health Promotion and Behavioral Science	19770116 200501 2 002
38	Dr. Siti Rahayu Nadhiroh, S.K.M., M.Kes.	Nutrition	19750531 200604 2 001
39	Ira Nurmala, S.K.M., M.P.H., Ph.D.	Health Promotion and Behavioral Science	19771017 200312 2 001
40	Dr. dr. Muhammad Atoillah Isfandiari, M.Kes.	Epidemiology	19760325 200312 1 002
41	Trias Mahmudiono, S.K.M., M.P.H., G.C.A.S., Ph.D.	Nutrition	19810324 200312 1 001
42	Pulung Siswantara, S.K.M, M.Kes.	Health Promotion and Behavioral Science	19820424 200501 1 001
43	Corie Indria Prasasti, S.K.M., M.Kes.	Environmental Health	19810510 200501 2 001
44	Dr. Dra. Shrimarti Rukmini Devy, M.Kes.	Health Promotion and Behavioral Science	19660215 200212 2 002
45	Triska Susila Nindya, S.K.M., M.P.H.	Nutrition	19811003 200501 2 001
46	dr. Farapti, M.Gz.	Nutrition	19810414 200812 2 001
47	Inge Dhamanti, S.K.M., M.Kes, M.P.H., Ph.D.	Health Administration and Policy	19801224 200501 2 002
48	Dini Ririn Andrias, S.K.M., M.Sc.	Nutrition	19810105 200501 2 003

NO.	NAME	DEPARTMENT OR DIVISION	NIP
49	Hario Megatsari, S.K.M., M.Kes.	Health Promotion and Behavioral Science	19820912 200801 1 006
50	Nurul Fitriyah, S.K.M., M.P.H.	Biostatistics and Population Studies	19751121 200501 2 002
51	dr. Kurnia Dwi Artanti, M.Sc.	Epidemiology	19820411 200812 2 002
52	Tito Yustiawan, drg., M.Kes.	Health Administration and Policy	19790521 201012 1 003
53	Dr. dr. Atik Choirul Hidajah, M.Kes.	Epidemiology	19681102 199802 2 001
54	drh. Meirina Ernawati, M.Kes.	Occupational Health and Safety	19620512 199303 2 001
55	Yuly Sulistyorini, S.K.M., M.Kes.	Biostatistics and Population Studies	19760724 200801 2 007
56	dr. Kusuma Scorpia L., M.K.M.	Environmental Health	19801107 200812 2 003
57	Maya Saridewi, S.K.M., M.Kes.	Health Administration and Policy	19800927 200501 2 003
58	Khuliyah Candraning Diyanah, S.K.M., M.KL.	Environmental Health	19861110 201212 2 002
59	Nuzulul Kusuma Putri, S.K.M., M.Kes.	Health Administration and Policy	19880503 201404 2 004
60	Sigit Ari Saputro, S.K.M., M.Kes.	Biostatistics and Population Studies	19890425 201404 1 002
61	dr. M. Farid Dimjati Lusno, M.KL.	Environmental Health	19720424 200812 1 002
62	Muthmainnah, S.K.M., M.Kes.	Health Promotion and Behavioral Science	19880621 201504 2 005
63	Dani Nasirul Haqi, S.K.M., M.K.K.K.	Occupational Health and Safety	19871111 201504 1 005
64	Ayik Mirayanti Mandagi, S.K.M., M.Kes.	Epidemiology	19880122 201504 2 002
65	Syifa'ul Lailiyah, S.K.M., M.Kes.	Health Administration and Policy	19850819 201504 2 001

NO.	NAME	DEPARTMENT OR DIVISION	NIP
66	Riris Diana Rachmayanti, S.K.M., M.Kes.	Health Promotion and Behavioral Science	19860904 201504 2 001
67	Ilham Akhsanu Ridlo, S.K.M., M.Kes.	Health Administration and Policy	19860323 201504 1 003
68	Rian Diana, S.P., M.Si.	Nutrition	19840505 201504 2 001
69	Septa Indra Puspikawati, S.K.M., M.P.H.	Nutrition	19890929 201504 2 003
70	Mahmud Aditya Rifqi, S.Gz., M.Si.	Nutrition	19881207 201504 1 003
71	Desak Made Sintha Kurnia Dewi, S.K.M., M.Kes.	Biostatistics and Population Studies	19850615 201504 2 005
72	Laura Navika Yamani, S.Si., M.Si., Ph.D.	Epidemiology	19860108 201803 2 001
73	Erni Astutik, S.K.M., M.Epid.	Epidemiology	19890718 201903 2 024
74	Dominikus Raditya Atmaka, S.Gz., M.P.H.	Nutrition	19920618 201903 1 018
75	Shintia Yunita Arini, S.K.M., M.K.K.K.	Occupational Health and Safety	19930604 201903 2 036
76	Eny Qurniyawati, S.ST., M.Kes.	Epidemiology	19880822 201903 2 013

NON-TENURE LECTURERS YEAR 2022

NO.	NAME	DEPARTMENT OR DIVISION	NIK
1	Dr. dr. Rachmat Hargono, M.S., M.P.H.	Health Promotion and Behavioral Science	194904272021010308
2	Dr. dr. Sri Adiningsih, M.S., M.C.N.	Nutrition	195006262016076201
3	Mulyono, S.K.M., M.Kes.	Occupational Health and Safety	195509192021010064
4	dr. Sho'im Hidayat, M.S.	Occupational Health and Safety	195411272021010304

ADJUNCT LECTURERS

NO.	NAME	DEPARTMENT OR DIVISION	NIP
1	Prof. Dr. Wasis Budiarto, Drs., M.S.	Health Administration and Policy	195208022017016101
2	Prof. Dr. dr. H. J. Mukono, M.S., M.P.H.	Environmental Health	194706172017106101
3	Prof. dr. Kuntoro, M.P.H., Dr. P.H.	Biostatistics and Population Studies	194808082018106101
4	Prof. dr. R. Bambang W., M.S., M.C.N., Ph.D., Sp.GK.	Health Nutrition	194903202019046101
5	dr. Oedojo Soedirham, M.P.H., M.A., Ph.D.	Health Promotion and Behavioral Science	195305052019016101
6	Prof. Dr. dr. Stefanus Supriyanto, M.S.	Health Administration and Policy	194909162019126101
7	Dr. Windhu Purnomo, dr., M.S.	Biostatistics and Population Studies	195406252020076101
8	Prof. dr. Soedjajadi, M.S., Ph.D.	Environmental Health	195203152022046101

NON-CIVIL SERVANT LECTURERS

NO.	NAME	DEPARTMENT OR DIVISION	NIK
1	Susi Katikana Sebayang, S.P., M.Sc., Ph.D.	Biostatistics and Population Studies	19730305 201504 3201
2	Diansanto Prayogo, S.K.M., M.Kes.	Health Administration and Policy	19860412 201504 3101
3	Jayanti Dian Eka Sari, S.K.M., M.Kes.	Health Promotion and Behavioral Science	19840917 201504 3201
4	Aditya Sukma Pawitra, S.K.M., M.KL.	Environmental Health	19880409 201611 3101
5	Putri Ayuni Alayyannur, S.K.M., M.K.K.K.	Occupational Health and Safety	19900602 201611 3201

NO.	NAME	DEPARTMENT OR DIVISION	NIK
6	Stefania Widya Setyaningtyas, S.Gz, M.P.H.	Nutrition	198808302018083201
7	Qonita Rachmah, S.Gz., M.Sc.	Nutrition	199102152018083201
8	Zida Husnina, S.K.M., M.P.H.	Environmental Health	198401112018083201
9	Emyr Reisha Isaura, S.Gz., M.P.H., Ph.D.	Nutrition	198812032019083201
10	Anisa Lailatul Fitria, S.Gz., M.Sc.	Nutrition	199303242022013201

ASSISTANT LECTURERS YEAR 2022

NO.	NAME	DEPARTMENT OR DIVISION	NIK
1	Siti Shofiya Novita Sari, S.K.M., M.Epid.	Epidemiology	199311142022057000
2	Azizah Ajeng Pratiwi, S.K.M., M.Gz.	Nutrition	199509172022057201
3	Arina Mufida Ersanti, S.K.M., M.Epid.	Epidemiology	199212152022057201
4	Shinta Arta Mulia, S.K.M., M.K.K.K.	Occupational Health and Safety	199508202022057201
5	Novi Dian Arfiani, S.K.M., M.KL.	Environmental Health	199607202022057201
6	Bian Shabri Putri Irwanto, S.K.M., M.K.K.K.	Occupational Health and Safety	199702012022087201
7	Tiara Tivany Simangunsong, S.Gz., M.P.H.	Nutrition	
8	Nur Atika, S.K.M., M.P.H.	Health Administration and Policy	199204272022097201

CHAPTER XII

LIST OF ADMINISTRATIVE STAFF

THE FACULTY OF PUBLIC HEALTH
UNIVERSITAS AIRLANGGA

Civil Servant Administrative Staff

No.	Name	NIP
	The Bachelor Program in Public Health	
1	Dr. Yuniawan Heru Santoso, S.E., S.Sos., M.Si.	197806022008101001
2	Dra.Ec. Mardiana, M.PSDM.	196704022007012042
3	Saikhon, S.Sos.	196507061992031001
4	Agus Purwito, S.Sos.	196608261988031002
5	Irawati, S.H.	197106052008102001
6	Nunung Puji U., S.E.	197410202008101001
7	Evy Arvianti, S.K.M., M.Kes.	197303282000032005
8	Puguh Suroto, S.Sos.	197501292001121001
9	Suwadi, S.Sos.	197208042001121002
10	Soelistyorini	196610251990032001
11	Yuswa Permana	196405301991031001
12	Dakyunah	196703101987022001
13	Jusanto	196901101999031001
14	Harlina Aisyaturrachmah, A.Md.	197104212007012002
15	Purwanta, S.Sos.	197005292007011001
16	Umaroh, S.E.	197101032007012001
17	Muriyani, S.E.	197704292007012001
18	Heri Pranoto, S.E.	197403222007011001
19	Yudi Purniawan, S.T.	197710021999031004
20	Nanik Sulistyaningsih, S.E.	197103152007012001
21	Dwi Sri Rejeki, S.E.	197307152007012001
22	Rini Suprapti	197111082001122001
23	Yuni Karniawati, S.A.	197706172007012001
24	Rahayu Lintianingsih	196801222007012001
25	Mukhammad Hufron	197007042007011002
26	Sri Ulimah	197204012007012001
27	Ahmad Triyono	197206112007011002
28	Neni Setijowati	196605302007012001
29	Ririh Endah M.	197105112007012022
30	Indah Suryani	196905162007012001
31	Yuni Afendri	197406222007011001
32	Agus Siswanto	197308112007011001
33	Darmawan T. P.	197407262007011003
34	Tri Pudjiono	197610242007011001
35	Umbar Djarwi	197109172007011003
36	Memet Kundoyo	197312072008101001
37	Abdul Bari	197107102007011001

38	Puji Sudaryanto	197306122009101001
39	Andi Siswoyo M. P.	198004032009101002
40	Dhani Sapta Laksana	197907082009101002
41	Irawati	196808142014092001
42	Kukuh Yanuaristanto	197401172014091001
43	Ina Nurdiana Adenan	197702202014092002
44	Ade Mira Sari	197810282014092005
45	Agus Hariyono	198311062009101001
	The Bachelor Program in Nutrition	
1	Ekka Putri Arifianty, S.Gz.	198705072018013201
2	Harlina Aisyatur Rahmah, A.Md.	197104212007012002

Non-Civil Servant Administrative Staff

No.	Name	NIK
1	Imam Shobari, S.T.	198705102018013101
2	Endah Kusumawardani, S.Kom.	197401112018013201
3	Husni Kurnia Nurhasim, S.Si.	197907022018013101
4	Nurul Ayuningtyas, S.K.M.	199110142018013201
5	Ekka Putri Arifianty, S.Gz.	198705072018013201
6	Sulistio Dyah Setyowati, S.K.M.	198311082018013201
7	Jimmy Jaya Sentosa, S.T.	197703292018013101
8	Arif Wardoyo, S.K.M.	198004022018013101
9	Chusnul Chuluq, S.Ptk.	198807232018013101
10	Edi Suryonoto	198508242018013102
11	Chasanah Tri Mandasari	199301172018013201
12	Muchammad Aris Rachmad	198708042018013101

Journal Administrative Staff and Laboratory Practicum Assistant Staff Nutrition

No.	Name	NIK
1	Bella Rosita Fitriana, S.K.M.	199503082018045201
2	Perin Wulan Yuliyah, S.E., S.Pd.	198907102018075201
3	Hikmah Maulidiyah, S.E.I.	199308252020015201
4	Khoiriningtyas Ayu Puspita, S.K.M.	199705222020015201
5	Zakiyatu Zunairoh, S.K.M.	199606262021015201
6	Aliffah Nurria Nastiti, S.Gz.	199410162018045201
7	Asri Meidyah Agustin, A.Md.Gz.	199505232018125201

Non-Permanent Administrative Staff

No.	Name	NIK
1	Nosa Hastaranie, S.E.	197803162018035201
2	Andri Setiyanto, S.Kom.	198911112018035101
3	Yusdi Tri Atmaja K., A.Md.	198406012018035101
4	Erik Dwi Yulianto	198406182018035101
5	Sunaryo	197407292018035101

6	Lusianah	198903092018035201
7	Anmral Nur Alex S.	199212282018035101
8	Achmad Darmawan	198508262018035101
9	Agung Perbowo Darma Putra	198611192018035101
10	Pendik Santoso	198603082018035101
11	Sutrisno	197105102018035101

Non-Permanent Administrative Staff (Research Assistant)

No.	Name	NIK
1	Firman Suryadi Rahman, S.K.M., M.Epid.	-
2	Yunita Ayu Nur Qomari, S.K.M.	-
3	Lina Juhaidah, S.K.M.	-
4	Saatdatul Sarah Maharani, S.Gz.	-
5	Rika Yunita, S.Tr.Par.	-
6	Farah Rosyihana Fadhilah, S.Gz.	-
7	Ulfatul Karomah, S.Gz.	-
8	Thalia Nadhila Rachmawati, S.Ant.	-
9	Teresina Ika Pertiwi, S.K.M.	-
10	Rani Pratiwi, S.K.M.	-
11	Inas Shabrina Nabilah, S.Hum.	-
12	Zakiyah Dania Billah, S.Hum., M.A.	-
13	Naisya Azalia Samsuddin, S.Gz.	-
14	Aninditya Ardhana Riswari, S.Hum., M.Hum.	-
15	Fatqiatul Wulandari, S.Gz.	-

THE DECREE ON THE ACADEMIC HANDBOOK OF BACHELOR PROGRAMS, FACULTY OF PUBLIC HEALTH, UNIVERSITAS AIRLANGGA, THE YEAR 2022/2023

UNIVERSITAS AIRLANGGA
FAKULTAS KESEHATAN MASYARAKAT
Kampus C Mulyorejo Surabaya 60115 Telp. 031-5920948, 5920949 Fax. 031-5924618
Laman : http://www.fkm.unair.ac.id; E-mail: info@fkm.unair.ac.id

SALINAN

KEPUTUSAN
DEKAN FAKULTAS KESEHATAN MASYARAKAT
UNIERSITAS AIRLANGGA

NOMOR 169/UN3.1.10/2022

TENTANG

BUKU PANDUAN PENDIDIKAN PROGRAM SARJANA
FAKULTAS KESEHATAN MASYARAKAT UNIVERSITAS AIRLANGGA
ANGKATAN TAHUN 2022/2023

DEKAN FAKULTAS KESEHATAN MASYARAKAT
UNIVERSITAS AIRLANGGA,

Menimbang :

a. bahwa untuk menunjang keberhasilan pelaksanaan serta mengembangkan pembelajaran program studi secara optimal, efektif, efisien, dan bermutu sesuai dengan Standar Nasional Pendidikan Tinggi bagi mahasiswa Program Sarjana Fakultas Kesehatan Masyarakat Universitas Airlangga, perlu menetapkan Buku Pedoman yang dituangkan dalam Panduan Pendidikan Program Sarjana Fakultas Kesehatan Masyarakat Universitas Airlangga;

b. bahwa berdasarkan pertimbangan sebagaimana dimaksud dalam huruf a, perlu menetapkan Keputusan Dekan Fakultas Kesehatan Masyarakat Universitas Airlangga tentang Buku Panduan Pendidikan Program Sarjana Fakultas Kesehatan Masyarakat Universitas Airlangga Angkatan 2022/20223

Mengingat :

1. Undang-Undang Nomor 20 Tahun 2003 tentang Sistem Pendidikan Nasional (Lembaran Negara Republik Indonesia Tahun 2003 Nomor 78, Tambahan Lembaran Negara Republik Indonesia Nomor 4301);
2. Undang-Undang Nomor 12 Tahun 2012 tentang Pendidikan Tinggi (Lembaran Negara Republik Indonesia Tahun 2012 Nomor 158, Tambahan Lembaran Negara Republik Indonesia Nomor 5336);
3. Peraturan Pemerintah Republik Indonesia Nomor 57 Tahun 1954 tentang Penetapan Universitas Airlangga di Surabaya sebagaimana telah diubah dengan Peraturan Pemerintah Nomor 3 tahun 1955 tentang Pengubahan Peraturan Pemerintah Nomor 57 Tahun 1954 (Lembaran Negara Republik Indonesia Tahun 1954 Nomor 99, Tambahan Lembaran Negara Republik Indonesia Nomor 695 juncto Lembaran Negara Republik Indonesia Tahun 1955 Nomor 4 Tambahan Lembaran Negara Nomor 748);

4. Peraturan Pemerintah Republik Indonesia Nomor 4 Tahun 2014 tentang Penyelenggaraan Pendidikan Tinggi dan Pengelolaan Perguruan Tinggi. (Lembaran Negara Republik Indonesia Tahun 2014 Nomor 16, Tambahan Lembaran Negara Nomor 5500);
5. Peraturan Pemerintah Republik Indonesia Nomor 30 Tahun 2014 tentang Statuta Universitas Airlangga. (Lembaran Negara Republik Indonesia Tahun 2014 Nomor 100, Tambahan Lembaran Negara Nomor 5535);
6. Peraturan Mendikbud Republik Indonesia Nomor 4 Tahun 2020 tentang Perubahan Atas Pertauran Menteri Pendidikan dan Kebudayaan Nomor 88 Tahun 2014 tentang Perubahan Perguruan Tinggi Negeri Menjadi Pergurun Tinggi Negeri Badan Hukum;
7. Peraturan Menteri Pendidikan dan Kebudayaan Republik Indonesia Nomor 3 Tahun 2020 tentang Standar Nasional Pendidikan Tinggi;
8. Peraturan Menteri Pendidikan dan Kebudayaan Republik Indonesia Nomor 7 Tahun 2020 tentang Pendirian, Perubahan, Pembubaran, Perguruan Tingg Negeri, dan Pendirian, Perubahan, Pencabutan Izin Perguruan Tinggi Swasta;
9. Keputusan Mendikbud Republik Indonesia Nomor 0372/O/1993 dan ralatnya Nomor 70539/A6.1/U/1993 tentang Pembukaan Fakultas Kesehatan Masyarakat serta Fakultas Psikologi Universitas Airlangga;
10. Keputusan Mendikbud Republik Indonesia Nomor 0372/O/1993 dan ralatnya Nomor 70539/A6.1/U/1993 tentang Pembukaan Fakultas Kesehatan Masyarakat serta Fakultas Psikologi Universitas Airlangga Jo. Keputusan Mendikbud Republik Indonesia Nomor 0192/O/1995, sebagaimana telah diubah/ditambah dengan Keputusan Mendikbud Republik Indonesia Nomor 0276/O/1996 tentang organisasi dan tata kerja Universitas Airlangga;
11. Keputusan Mendiknas Republik Indonesia Nomor 232/U/2000, tentang Pedoman Penyusunan Kurikulum Pendidikan Tinggi dan Penilaian Hasil Belajar Mahasiswa;
12. Keputusan Dirjen Dikti Depdiknas Republik Indonesia Nomor 38/DIKTI/Kep/2002, tentang Rambu-rambu Pelaksanaan mata Kuliah Pengembangan Kepribadian di Perguruan Tinggi;
13. Keputusan Mendikbud Republik Indonesia Nomor 6 Tahun 2020 tentang Penerimaan Mahasiswa Baru Program Sarjana pada Perguruan Tinggi Negeri;
14. Keputusan Mendikbud Republik Indonesia Nomor 7 Tahun 2020 tentang Pendirian, Perubahan, Pembubaran Perguruan Tinggi Negeri, dan Pendirian, Perubahan, Pencabutan Izin Perguruan Tinggi Swasta;

15. Keputusan Mendikbud Republik Indonesia Nomor 74/P/2021 tentang Pengakuan Satuan Kredit Semester Pembelajaran Program Kampus Merdeka;
16. Peraturan Rektor Universitas Airlangga Nomor 40 Tahun 2015 tentang Standar Nilai English Languange Proficiency Test (ELPT) Bagi Mahasiswa Program Diploma dan Program Sarjana Universitas Airlangga;
17. Peraturan Rektor Universitas Airlangga Nomor 35 Tahun 2016 tentang Surat Keterangan Pendamping Ijazah Universitas Airlangga;
18. Peraturan Rektor Universitas Airlangga Nomor 38 Tahun 2017 Tentang Peraturan Pendidikan Universitas Airlangga sebagaimana telah diubah dengan Peraturan Rektor Universitas Airlangga Nomor 01 Tahun 2018 tentang Perubahan Atas Peraturan Rektor Nomor 38 Tahun 2017 Tentang Peraturan Pendidikan Universitas Airlangga;
19. Peraturan Rektor Universitas Airlangga Nomor 63 Tahun 2018 tentang Perubahan Atas Peraturan Rektor Nomor 35 Tahun 2016 tentang Surat Keterangan Pendamping Ijazah Universitas Airlangga;
20. Peraturan Rektor Universitas Airlangga Nomor 17 Tahun 2019 tentang Pedoman Pendidikan Program Fast Track Universitas Airlangga;
21. Peraturan Rektor Universitas Airlangga Nomor 35 Tahun 2019 tentang Perubahan Atas Peraturan Rektor Nomor 17 Tahun 2019 tentang Pedoman Pendidikan Program Fast Track Universitas Airlangga;
22. Peraturan Rektor Universitas Airlangga Nomor 39 Tahun 2019 tentang Perubahan Kedua Atas Peraturan Rektor Nomor 17 Tahun 2019 tentang Pedoman Pendidikan Program Fast Track Universitas Airlangga;
23. Peraturan Rektor Universitas Airlangga Nomor 11 Tahun 2020 tentang Pedoman Pendidikan Universitas Airlangga;
24. Peraturan Rektor Universitas Airlangga Nomor 4 Tahun 2020 tentang Pedoman Pelaksanaan Kuliah Kerja Nyata Universitas Airlangga;
25. Peraturan Rektor Universitas Airlangga Nomor 16 Tahun 2020 tentang Baku Mutu Magang Program Studi Diploma Tiga, Sarjana Terapan dan Sarjana Dilingkngan Universitas Airlangga;
26. Peraturan Rektor Universitas Airlangga Nomor 23 Tahun 2020 tentang Panduan Pelaksanaan Pembelajaran Di Luar Program Studi Universitas Airlangga;
27. Keputusan Rektor Universitas Airlangga 762/UN3/2020, tentang Pengangkatan Dekan Fakultas, Direktur Sekolah Pascasarjana dan Direktur Rumah Sakit Universitas Airlangga Periode 2020-2025;

28. Keputusan Rektor Nomor 389/UN3/2021 tentang Pelaksanaan Pembelajaran Dasar Bersama Pada Jenjang Diploma dan Sarjana Tahun Pertama di Universiitas Airlangga;
29. Keputusan Rektor Nomor 661/UN3/2021 tentang Penetapan Kurikulum Program Sarjana pada Program Studi Kesehatan Masyarakat pada Fakultas Kesehatan Masyarakat;
30. Keputusan Rektor Nomor 661/UN3/2021 tentang Penetapan Kurikulum Program Sarjana pada Program Studi Kesehatan Masyarakat pada Fakultas Kesehatan Masyarakat Unversitas Airlangga;
31. Keputusan Rektor Nomor 667/UN3/2022 tentang Kalender Akademik Universitas Airlangga Tahun 20223/2023;
32. Keputusan Dekan Fakultas Kesehatan Masyarakat Nomor 154/UN3.1.10/2022 tentang Tim Kurikulum Program Sarjana Program Studi Kesehatan Masyarakat Fakultas Kesehatan Masyarakat Universitas Airlangga Periode Tahun 2022 – 2025;
33. Keputusan Dekan Fakultas Kesehatan Masyarakat Nomor 168/UN3.1.10/2022 tentang Tim Penyusun Buku Panduan Pendidikan Program Sarjana Fakultas Kesehatan Masyarakat Universitas Airlangga Tahun Akademik 2022/2023.

MEMUTUSKAN :

Menetapkan : **KEPUTUSAN DEKAN FAKULTAS KESEHATAN MASYARAKAT UNIVERSITAS AIRLANGGA TENTANG BUKU PANDUAN PENDIDIKAN PROGRAM SARJANA FAKULTAS KESEHATAN MASYARAKAT UNIVERSITAS AIRLANGGA ANGKATAN TAHUN 2022/2023**

KESATU : Mengesahkan Buku Panduan Pendidikan Program Sarjana Fakultas Kesehatan Masyarakat Universitas Airlangga Angkatan tahun 2022/2023, yang naskahnya tercantum dalam Lampiran Keputusan ini dan menjadi bagian tak terpisahkan dengan Keputusan ini.

KEDUA : Penyelenggaraan Pendidikan Program Sarjana pada Program Studi Kesehatan Masyarakat dan Program Studi Gizi Fakultas Kesehatan Masyatakat Universitas Airlangga Angkatan Tahun 2022/2023 harus mengikuti semua ketentuan yang tercantum dalam Buku Panduan Pendidikan sebagaimana yang dimaksud Diktum KESATU.

KETIGA : Biaya untuk pelaksanaan ini dibebankan pada dana Rencana Kerja dan Anggaran Tahunan (RKAT) Fakultas Kesehatan Masyarakat Universitas Airlangga.

KEEMPAT : Keputusan ini mulai berlaku pada tanggal 27 Juni 2022

Ditetapkan di Surabaya
Pada tanggal 5 September 2022

DEKAN,

t.t.d.

SANTI MARTINI
NIP 196609271997022001

Salinan disampaikan kepada Yth. :

1. Wakil Dekan di lingkungan FKM UNAIR;
2. Kepala Bagian Tata Usaha FKM UNAIR;
3. Koordinator Program Sarjana, Program Studi FKM UNAIR;
4. Yang bersangkutan.

Salinan sesuai dengan aslinya
Kepala Bagian Tata Usaha,

Yuniawan Heru Santoso
NIP 197806022008101001