



Faculty of Applied Medical Sciences

Department of Public Health

Program's Handbook



Version (3) – 2025

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1. Introduction

Praise be to Allah, and peace and blessings be upon the most honourable of prophets and messengers, our Prophet Muhammad, and upon his family and companions.

This Student Handbook for the Bachelor of Public Health Program has been developed to serve as an official reference for students enrolled in the program. The handbook provides a structured overview of the academic framework, regulations, and support systems that govern the program from admission through graduation, ensuring clarity, transparency, and consistency in academic practices. The handbook reflects the program's commitment to high-quality education, professional competence, and alignment with national and international standards in public health. It articulates the mission, goals, and learning outcomes of the program. In addition, this handbook introduces the academic teaching staff responsible for delivering the program and highlights their qualifications and expertise across diverse public health disciplines. In addition, the handbook details the study system regulations, admission criteria, and entry requirements essential for successful engagement in the curriculum. A comprehensive overview of the study plan, course sequencing, and credit-hour distribution is provided to guide students in understanding the academic structure of the program. Clear descriptions of all courses are included to support students in recognizing the knowledge, skills, and professional attributes expected at each stage of study. Information regarding graduation requirements and grading systems is presented to ensure transparency and clarity in academic expectations. The appendices provide supplementary documents and guidelines that further support students' academic, clinical, and administrative needs.

Overall, this handbook aims to enhance students' understanding of the program, facilitate their academic planning, and promote a successful and enriching learning experience within the field of Public Health.



2. Mission, Goals, and Learning Outcomes of the Public Health Program

Mission

Providing competent public health specialists focusing on education, research, and community services.

Goals

- **Goal 1:** Implement a competent public health program that meets the needs of the community and the recent international standards.
- **Goal 2:** Prepare competent specialists and lifelong learners for the public health workforce.
- **Goal 3:** Encourage and motivate students and public health professionals to contribute to research and scientific conferences nationally and internationally.
- **Goal 4:** Equip the graduates with the knowledge and skills that enable them to implement community service programs.



Learning Outcomes

Knowledge and Understanding

- **K1:** Describe the determinants of health; including environmental, social, economic behavioural, biological, and political factors that influence human health.
- **K2:** Outline the history and philosophy of public health' s values, concepts, and functions; locally, regionally and internationally.
- **K3:** Describe the underlying science of human health and disease from a public health holistic view.

Skills

- **S1:** Analyse correctly various public health planning and interventions using the problem-solving approach.
- **S2:** Demonstrate the ability to use public health data interactively.
- **S3:** Employ proficient population health concepts appropriately.
- **S4:** Demonstrate communication skills and research analysis.
- **S5:** Implement public health programs based on community needs efficiently.
- **S6:** Analyse population health challenges and needs using evidence-based approach.

Values, Autonomy, and Responsibility

- **V1:** Adhere to teamwork and leadership qualities in public healthcare settings.
- **V2:** Adhere the responsibilities and accountability of public health specialist.
- **V3:** Demonstrate integrity and ethics when applying health behaviour theories to understand public health issues at all levels.



3. Academic Teaching Staff of the Program

The program is delivered by a well-qualified teaching staff with extensive experience in the field of Public Health. The following table presents the names, academic qualifications, positions, and contact information of all faculty members teaching in the program.

	Name	Qualification	Position	Email
1	Dr. Basim Ahmed Othman	BSc, MSc, PhD	Associate professor (The Head of the Department)	bothman@bu.edu.sa
2	Dr. Mohammed Ali Alshehri	BSc, MSc, PhD	Associate professor	maalshehri@bu.edu.sa
3	Dr. Osman Babiker Mohammed	BSc, MSc, PhD	Associate professor	obabiker@bu.edu.sa
4	Dr. Ibrahim Ghormallah Alghamdi	BSc, MSc, PhD	Associate professor	alghamdii@bu.edu.sa
5	Dr. Mohammad Albanghali	BSc, MSc, PhD	Associate professor	Mohammad.aref@bu.edu.sa
6	Dr. Mohammed Shanawaz	BSc, MSc, PhD	Associate professor	madel@bu.edu.sa
7	Dr. Nora Labeeb El-Tantawy	BSc, MSc, PhD	Associate professor	ntantawy@bu.edu.sa
8	Dr. Saba Beigh	BSc, MSc, PhD	Associate professor	sbeigh@bu.edu.sa
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10	Dr. Abdalla Hasballa Elmanna	BSc, MSc, PhD	Assistant Professor	aabdalla@bu.edu.sa
11	Dr. Uthman Albakri	BSc, MSc, PhD	Assistant Professor	ualbakri@bu.edu.sa
12	Dr. Soltan Jaber Al-Ghamdi	BSc, MSc, PhD	Assistant Professor	sjalgamdi@bu.edu.sa
13	Dr. Eman Fouad Abdel Hameed	BSc, MSc, PhD	Assistant Professor	Eman.f@bu.edu.sa
14	Dr. Wisal Abbas Mohammed Babiker	BSc, MSc, PhD	Assistant Professor	Wbabiker@bu.edu.sa
15	Dr. Amer Ali Alshehri	BSc, MSc, PhD	Assistant Professor	aamalshehri@bu.edu.sa
16	Dr. Eman Nabil Ramadan	BSc, MSc, PhD	Assistant Professor	eman.n@bu.edu.sa
17	Dr. Mona Abdulgadir Abuagla	BSc, MSc, PhD	Assistant Professor	mabuaqla@bu.edu.sa
18	Dr. Omar Yousof Mohamed Ali	BSc, MSc, PhD	Assistant Professor	oyali@bu.edu.sa
19	Mohamed Awad Elkarim Ibrahim	BSc, MSc, PhD	Assistant Professor	mibrahim@bu.edu.sa
20	Dr. Shaimaa Abdalaleem Abdalgeleel	BSc, MSc, PhD	Assistant Professor	shabdulrahim@bu.edu.sa
21	Dr. Waad Zakaria Alharazi	BSc, MSc, PhD	Assistant Professor	walharazi@bu.edu.sa
22	Mrs. Rabab Morsy Abouhussien	BSc, MSc	Lecturer	rmorsy@bu.edu.sa
23	Mrs. Ebdah Dawood Ismail Fatani	BSc, MSc	Lecturer	ifatani@bu.edu.sa



4. Regulations of the Study System for the Public Health Department

The undergraduate study system at Al-Baha University, Faculty of Applied Medical Sciences, Department of Public Health, follows national higher education regulations to ensure academic quality, consistency, and progression. It defines the structure, duration, credit limits, and advancement policies for undergraduate students.

Overview of the Program Study System

The Public Health Department adheres to the following national frameworks and standards when approving and structuring its academic programs:

- The Saudi Unified Qualification Framework for levels and academic specializations, approved by the Council of Ministers (Resolution No. 75, dated 27/12/1442 AH), including any subsequent updates.
- The National Qualification Framework (NQF), approved by the Board of Directors of the Education and Training Evaluation Commission during its first meeting of the second session (held on 16/6/1441 AH), including any modifications or updates.

Program Design and Development

- The Department designs and updates its academic program in alignment with the National Qualifications Framework (NQF) and the specialized academic standards for Public Health accredited by the National Centre for Academic Accreditation and Evaluation (NCAAA).
- Program revisions, new courses, and structural updates are proposed by Public Health Department and approved through the University's formal Council System.
- Students' progress through the program according to the officially approved study system and academic plan sanctioned by the University Council.



Academic Year and Study Duration

- The Public Health program consists of four-year academic program (eight levels 'semesters'), followed by a one year internship.
- The academic year includes two regular semesters, each lasting no less than 16 weeks, and an optional summer semester of at least 8 weeks.
- A full academic year consists of 37 weeks, including an introductory week (admission, add and drop off courses) and two weeks for final examinations.
- Any modifications to the study plan must be approved by the University Council.

Course Distribution and Progression

- Courses are distributed across academic levels as described in section 6 of this handbook.
- Students advance to the next level upon successful completion of all required courses, as verified by their academic advisor.

Education Modes

- Distance and blended learning modes apply only to theoretical components and must constitute 10%–40% of the total study plan. These modes must be explicitly stated in course and program descriptions.
- Final examinations are conducted in person.
- Blended learning may also apply to practical or cooperative training under special approval from the University Council President.

Early Exit and Diploma Award Policy

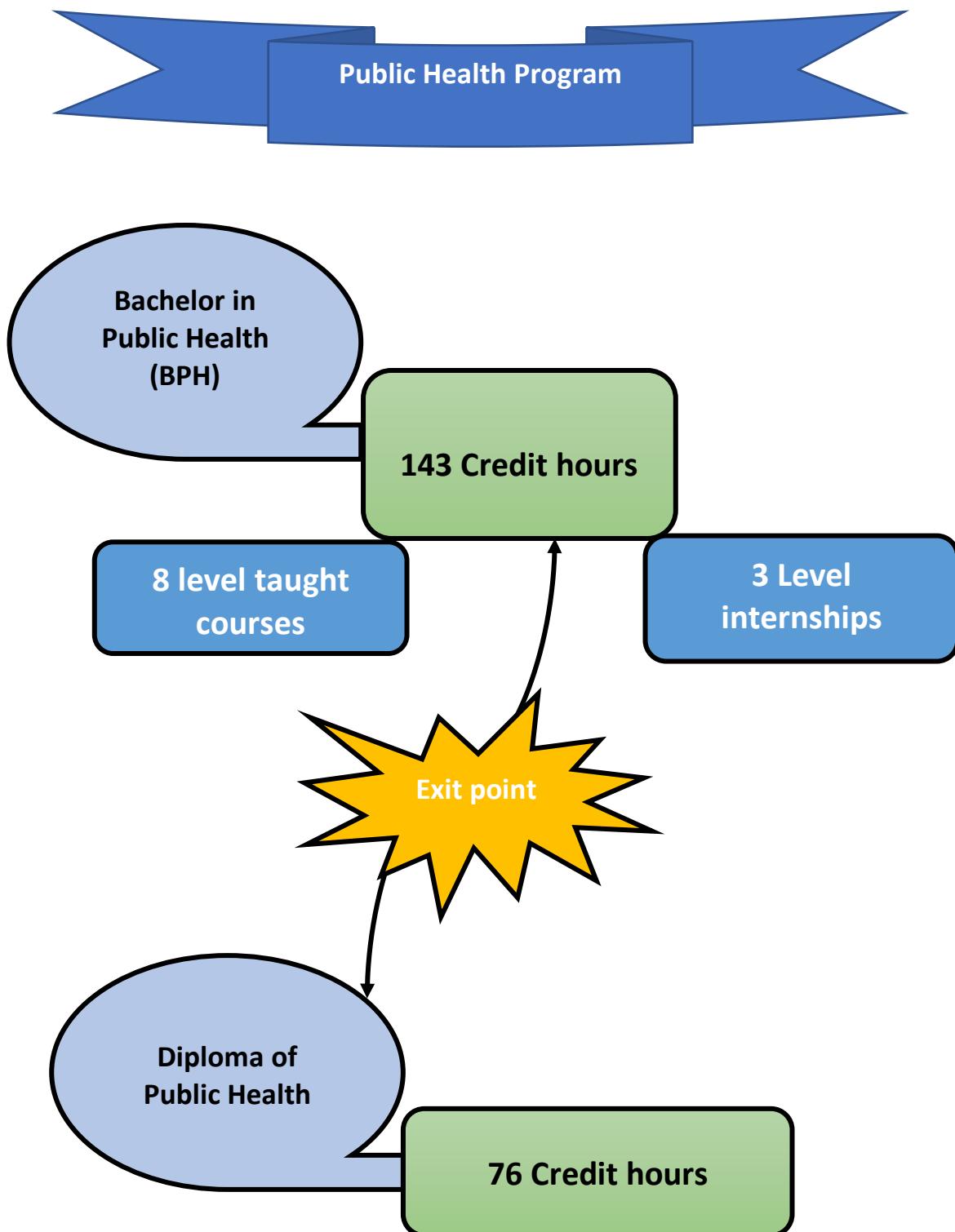
- The Public Health Department allows an early-exit pathway enabling students to obtain a Diploma in Public Health if they have completed the minimum required credit hours but are



unable to fulfil all bachelor's degree requirements, in accordance with the regulations approved by the University Council.

- Students in the Public Health Program may qualify for a diploma upon successfully completing a minimum of 76 credit hours, provided that all academic and procedural requirements set by the department and the university are met.
- The minimum credit hours required for awarding the diploma are determined according to the approved study plan of the Public Health Program and in alignment with national academic qualification standards.
- Student eligibility for the early-exit option is evaluated by the Department Committee and endorsed by the Faculty Council, based on academic performance, GPA, and completion of essential theoretical and practical courses required for diploma level competencies.
- The Public Health Department may recommend early exit for students who demonstrate academic difficulties, low academic performance, or an inability to progress toward the bachelor's degree, as long as they meet the minimum diploma requirements.
- A diploma is awarded only if all academic and administrative criteria specific to the Public Health Program are fulfilled. If the student does not meet these requirements, they must continue in the bachelor's track or follow any alternative academic decisions approved by the University Council.
- This policy ensures alignment with national academic qualification frameworks and guarantees that diploma holders meet the professional and educational standards required by the Saudi Commission for Health Specialties.





5. Admission and Entry Requirements

General Admission Requirements

1. Applicants must be Saudi citizens or have a Saudi mother.
2. Valid high school certificate or its equivalent (from inside or outside the Kingdom) is required.
3. The high school certificate must not be older than five years.
4. Applicants must be under 25 years of age.
5. For admission to the Faculty of Health, applicants must have graduated in the current academic year (1447 AH).
6. Good conduct and behaviour are mandatory.
7. Applicants must be medically fit; otherwise, the university reserves the right to withdraw admission.
8. Applicants employed in governmental or private institutions must obtain official approval from their employer.
9. Applicants must not have been dismissed from any university for academic or disciplinary reasons.
10. Proof of receiving two doses of the MMR vaccine (measles, mumps, rubella) is required.
11. Additional requirements may be determined by the University Council at the time of admission.
12. The university may cancel admission if any general or specific conditions are not met.
13. Admission is conducted once annually, prior to the start of the academic year, following the release of high school results.
14. Applications must be submitted online through the university website (www.bu.edu.sa) within the specified period.
15. Selection is based on announced criteria and the available capacity of each faculty.
16. Applicants must list their preferences in order of priority on the university website.



17. Once admitted to their first-choice faculty, students may not request a transfer or change of faculty.
18. Transfers to another faculty are permitted only after completing one full academic year in the admitted program.

Admission and Entry Requirements for Public Health program

- Admission requirements for the Public Health Program are set by the Department Committee, Faculty, and University Councils and announced according to the University's official timelines.
- The Department of Public Health admits qualified students who meet the University's admission criteria and have successfully completed the First Common Year.
- To be admitted into the Common Year for health-related programs, the applicant's weighted score must not be less than 80%, calculated as follows:
 - 30% high school GPA.
 - 30% Aptitude Test score.
 - 40% Achievement Test score.
- Specialization in Public Health is assigned after completing the First Common Year, based on the student's preference and the availability of seats within the Department. The specialization score is calculated as follows:
 - 40% weighted score.
 - 60% cumulative GPA of the First Common Year.
- In cases of equal specialization scores, priority is given to the student with the higher cumulative GPA of the Common Year, excluding general preparation courses.
- Seat allocation is determined in accordance with the program's capacity and available faculty resources.



6. Overview of Program Study Plan and Course Distribution

Overview of Program Study Plan and Course Distribution

The Bachelor of the Public Health Program at Al-Baha University is a four-year academic program followed by a one-year internship (training) designed to prepare students with the scientific knowledge, technical skills, and professional competencies required for Public Health practice. The program includes university, faculty, and departmental courses distributed across eleven levels.

Course Distribution by Level

The following tables illustrate the detailed study plan for the Bachelor of in Public Health Program



Level 1, First Year (First Semester)

Course Code	Course Title	Theory Hours	Practical Hours	Credit Hours	Course Type
ENGL1101	English Language I	15	0	4	Common year
ISLM1001	Islamic Culture I	2	0	2	University
CHEM1101	General Chemistry	2	0	2	Common year
ISLM1003	Recitation and Quranic Guidance	2	0	2	University
ARAB1001	Arabic Language Skills	2	0	2	University
MEDP1101	Professionalism in Health Practice	2	0	2	Common year
TERM1101	Medical Terminology	2	0	2	Common year
ETH1101	Ethics for healthcare practitioners	2	0	2	Common year



Level 2, First Year (Second Semester)

Course Code	Course Title	Theory Hours	Practical Hours	Credit Hours	Course Type
ENGL1102	English Language II	15	0	3	Common year
BIO1101	Human Biology	3	2	4	Common year
CS1002	Artificial Intelligence and Applications	2	0	2	University
PHYS1101	Medical Physics	2	2	3	Common year
CHEM1102	Organic Chemistry	2	0	2	Common year
HIST1001	History of Saudi Arabia	2	0	2	University
ISLM1002	Islamic Culture II	2	0	2	University



Level 3, Second Year (First Semester)

Course Code	Course Title	Theory Hours	Practical Hours	Credit Hours	Course Type
BMS1024	Epidemiology and Infection Control	2	0	2	Faculty
BMS1021	English for Medical Sciences	2	0	2	Faculty
PUBH1551	Introduction to Public Health	3	0	3	Department
PUBH1552	Biochemistry	2	2	3	Department
BMS1025	Biostatistics	2	0	2	Faculty
PUBH1553	Public Health Education	2	0	2	Department
PUBH1554	Introduction to Mental Health	2	0	2	Department
BMS	Elective 1	2	0	2	Faculty



Level 4, Second Year (Second Semester)

Course Code	Course Title	Theory Hours	Practical Hours	Credit Hours	Course Type
BMS1020	General Anatomy and Physiology	2	2	3	Faculty
BMS1260	Research Methods	2	0	2	Faculty
BMS1022	Pharmacology	2	0	2	Faculty
BMS1023	Health Informatics	2	0	2	Faculty
PUBH1555	Medical Microbiology	2	2	3	Department
PUBH1556	Introduction to Environmental Health	2	0	2	Department
PUBH1557	Public Health Nutrition	2	0	2	Department
BMS	Elective 2	2	0	2	Faculty



Level 5, Third Year (First Semester)

Course Code	Course Title	Theory Hours	Practical Hours	Credit Hours	Course Type
PUBH1792	Communicable Diseases	2	0	2	Department
PUBH1558	Introduction to Health Promotion	2	0	2	Department
PUBH1559	Food Safety and Hygiene	2	2	3	Department
PUBH1560	Public Health Determinants	2	0	2	Department
PUBH1561	Public Health Legislation and Policies	2	0	2	Department
PUBH1562	Medical Parasitology	2	2	3	Department
PUBH1563	Primary Healthcare	2	0	2	Department
PUBH1564	Occupational Health 1	2	0	2	Department



Level 6, Third Year (Second Semester)

Course Code	Course Title	Theory Hours	Practical Hours	Credit Hours	Course Type
PUBH1793	Occupational Health 2	2	0	2	Department
PUBH1565	Public Health Statistics	2	2	3	Department
PUBH1566	Public Health Epidemiology 1	3	0	3	Department
PUBH1567	Entomology and Vector Control	2	2	3	Department
PUBH1794	Non-Communicable Diseases	2	0	2	Department
PUBH1568	Infection Prevention and Control	2	0	2	Department
PUBH1795	Health Program Planning and Evaluation	3	0	3	Department



Level 7, Fourth Year (First Semester)

Course Code	Course Title	Theory Hours	Practical Hours	Credit Hours	Course Type
PUBH1796	Public Health Clinical Practice 1	4	0	4	Department
PUBH1797	Public Health Epidemiology 2	3	0	3	Department
PUBH1569	Public Health Quality Assurance	2	0	2	Department
PUBH1570	Public Health Communication	2	0	2	Department
PUBH1798	Health Economics	2	0	2	Department
PUBH1799	Disaster Management	2	0	2	Department
PUBH1800	Graduation Project 1	1	4	3	Department



Level 8, Fourth Year (Second Semester)

Course Code	Course Title	Theory Hours	Practical Hours	Credit Hours	Course Type
PUBH1801	Public Health Clinical Practice 2	4	0	4	Faculty
PUBH1802	Healthcare Management	2	0	2	Department
PUBH1803	Substance Abuse	2	0	2	Department
PUBH1804	Health Behavior Theories	2	0	2	Department
PUBH1805	Graduation Project 2	1	4	3	Department
PUBH1806	Public Health Surveillance	2	0	2	Department
PUBH1807	Environmental Impact Assessment	2	0	2	Department



Level 9, 10 and 11 Fifth Year

Course Code	Course Title	Theory Hours	Practical Hours	Credit Hours	Course Type
PUBH1808	Public Health Internship 1	0	6	0	Department
PUBH1809	Public Health Internship 2	0	6	0	Department
PUBH1810	Public Health Internship 3	0	6	0	Department

Elective Courses

Course Code	Course Title	Theory Hours	Practical Hours	Credit Hours	Course Type
BMS1261	Occupational Health and Safety	2	0	2	Faculty
BMS1262	Patient Safety in Healthcare	2	0	2	Faculty
BMS1263	Healthcare Quality	2	0	2	Faculty
BMS1264	Heart Saver and First Aid	1	2	2	Faculty



Level 9, 10 and 11 Internship (Training)

The internship year represents a full year (twelve months) of supervised field training in the student's specialization. It serves as a bridge between academic study and professional practice, allowing students to apply previously acquired knowledge and technical skills in real-world public health settings.

Training is conducted in hospitals, primary health centres and municipalities affiliated with the Ministry of Health and other approved institutions across the Kingdom of Saudi Arabia. It is supervised and monitored by the Faculty of Applied Medical Sciences at Al-Baha University, in accordance with the regulations of the Ministries of Education and Health.

This training year is an integral component of the bachelor's program in Public Health; students are not eligible to graduate until they have successfully completed this internship program. During this period, the student is officially referred to as an internship trainee (intern).

- The internship program in Public Health Department extends for one academic year, divided into three rotations:
 - Level 9 PUBH1808 Public Health Internship 1, Level 10 PUBH1809 Public Health Internship 2 and Level 11 PUBH1810 Public Health Internship 3.
- Students are required to complete their internship successfully.



Program Summary

Component	Details
Total Program Duration	5 years (4 academic + 1 internship year)
Total Credit Hours	143 credit hours
Total Number of Program Courses	63 Courses
Program Levels	11 levels (including internship)
Internship Duration	3 semesters (Levels 9–11)
Minimum Admission Requirement	80% of the First Common Year (40% weighted score and 60% cumulative GPA).
Program Type	Full-time, on-campus



Public Health Program at a Glance

Total Program Duration

5 years (4 academic + 1 internship year)

Total Number of Program Courses

63

Total Credit Hours

143 credit hours

Program Levels

11 levels (including internship)

Minimum Admission Requirement

80% of the First Common Year
(40% weighted score and
60% cumulative GPA)



7. Overviews of the Courses Offered in the Program

Level 1, First Year (First Semester)

Course Code: ARAB1001	Course Title: Language Skills
This course focuses on developing the students' linguistic skills by enhancing and improving their language abilities, specifically writing skills (academic/subject writing) and linguistic communication skills.	
Course Code: CHEM1101	Course Title: General Chemistry
Chemistry is a unique discipline in today's sciences. Most biological, physical, environmental, and medical phenomena can be expressed in terms of atoms and molecules' chemical and physical reactions. This course is an introduction to chemistry and biochemistry. It is designed to provide the health profession students with a foundation of general, organic, and biochemistry knowledge, emphasizing applications to the human body. The students will learn about atomic structure, orbital hybridization, chemical bonding. Besides they will get a foundation in general chemistry, including atoms, chemical compounds' nomenclature, structure, properties and reactivity. They will also learn about the principal biomolecules, carbohydrates, lipids, proteins and nucleic acids. This laboratory component is designed to provide students with hands-on experience in chemistry laboratory techniques, experiment design, and data analysis.	
Course Code: ENGL1101	Course Title: English Language I
This course prepares first-year students to communicate, exchange information, and interact successfully in real-life situations. It also builds cultural awareness and develops A1 & A2 levels of proficiency. This course covers all language skills and focuses on the most effective ways to progress in English.	
Course Code: ETH1101	Course Title: Ethics for Health Practitioner
An essential knowledge of the medical ethics is needed to create theorized assumptions, concepts, and values for moral judgment and decision-making in a health care field. This course will increase awareness of a wide range of ethical challenges that arise in the health care profession. It will enhance the ability to test the strengths and weaknesses of various moral beliefs and ethical arguments relevant to healthcare practice and apply relevant bioethical principles in health-related situations. It will also reinforce the personal sense of fairness in the context of current or future professional roles. It will help the students to gain insight into Islamic medical ethics as well as evaluate any future issue that may arise according to the	



Islamic main sources (Quran, Sunna, Ejtihad and Qiyas). This course has been designed to provide medical sciences students with an extended and intensive opportunity to review and update their approach to the analysis of key “medico-moral” issues, with the help of leading authorities in the field of medical ethics and related disciplines.

Course Code: MEDP1101	Course Title: Professionalism in Health Practice
This course provides students with the essential skills needed by medical professionals and covers six important core topics in 15 weeks. Topics covered include communication and teamwork skills, maintenance of trust, medical ethics, and confidentiality. It also focuses on willingness for personal and leadership development and skills of time management and decision making. Other topics dealt with in the course include prioritizing patient safety in clinical practice and evidence-based practice.	

Course Code: TERM1101	Course Title: Medical Terminology
Medical Terminology course is designed particularly for students of major track of health science colleges. It is intended to give the students the basic knowledge of the most commonly used medical terms and their implications in medical practice. Also, it gives a general description of the components of medical terms. It aims to acquire the students the ability to analyse the components of medical terms and their meanings.	

Level 2, First Year (Second Semester)

Course Code: BIO1101	Course Title: Human Biology
Human Biology is an integrative course that combines aspects of cell biology, biochemistry, histology, anatomy and structural-functional relationship of the human body systems. The major human body systems explored include the skeletal, muscular, digestive, excretory, cardiovascular, respiratory, reproductive systems and nervous system.	

Course Code: CHEM1102	Course Title: Organic Chemistry
This course explores organic chemistry concepts that are essential to pharmaceutical and medicinal chemistry. It focuses on key topics necessary to understand the chemical and physicochemical properties of drugs, including their structure, bonding, reactivity, and characteristics. The course emphasizes nomenclature, stereochemistry, structural isomerism, reaction intermediates, reaction mechanisms, and the synthesis of organic molecules. Additionally, the course provides an in-depth examination of the mechanisms behind specific	



organic reactions, particularly those related to drug metabolism and the mechanisms of action of various drugs.

Course Code: ENGL1102	Course Title: English Language II
This course prepares first-year students to communicate, exchange information, and interact successfully in real-life situations. It also builds cultural awareness and develops A2 level of proficiency. This student-centred course covers all language skills and focuses on the most effective ways to progress in English.	

Course Code: PHYS1101	Course Title: Medical Physics
This course medical Biophysics will give the basic concepts of medical Biophysics and focuses on Interpretation of biological phenomena by using physical concepts and Using physical phenomena in diagnosis and treatment. This course includes; the Physical quantities, s, Transport Through Neutral Membranes, fluids mechanics, blood flow, cardiovascular system pressure, volume, flow, resistance and the laws of pressure, the pressure of fluid in motion, energy in biological Systems, the principle of heat and thermodynamics. Also, an overview of the respiratory System, gas laws, ventilation, gas exchange, transport, electrophysiology of the heart and electric conduction. Properties of light, laser and its properties, sensory perception – eye and ear. This course introduces also the basic principles of types of radiation and decay law, X-rays and its medical application.	

Level 3, Second Year (First Semester)

Course Code: BMS1024	Course Title: Epidemiology and Infection Control
This course focuses on the principles of epidemiology and provides an introduction to the fundamental skills necessary for the practice of infection control and epidemiology. Topics include basic concepts, description and analysis of epidemiologic data, epidemiology in disease control, surveillance methodology, infectious process, infection control precautions and outbreak investigation. The course emphasizes the research aspects of infectious diseases epidemiology and how the basic techniques and biostatistics are applied in the communicable diseases. In addition, the course focuses on research designs and methods to describe disease occurrence and risk factor associations; uses quantitative and biomedical information to infer whether causal relationships exist between potential causes and disease in populations.	



Course Code: BMS1021	Course Title: English for Medical Sciences
<p>This course is designed for students who are in the bachelor's degree in health professions. This course is designed to provide critical reading and reasoned writing. Students explore and develop essential career-specific language skills in health care. Students analyse issues and claims presented in visual, oral, or written arguments and write analytical and argumentative essays based on those issues. The course reviews English relevant to academic environments, devoting primary attention to reading, writing, and speaking specific to the field of medicine</p>	

Course Code: PUBH1551	Course Title: Introduction to Public Health
<p>This course introduces the core principles of public health, focusing on health determinants, historical foundations, and the assessment of population health needs. Students will develop problem-solving, ethical decision-making, and collaboration skills essential for addressing public health challenges in diverse settings.</p>	

Course Code: PUBH1552	Course Title: Biochemistry
<p>This course examines fundamental biochemical principles and their relevance to human health and disease. Students will explore biochemical pathways, analyze data to assess health risks, and apply biochemical knowledge in designing health interventions. Emphasis is placed on ethical handling and reporting of biochemical data.</p>	

Course Code: BMS1025	Course Title: Biostatistics
<p>This course introduces fundamental concepts of biostatistics essential for analysing and interpreting data in applied medical sciences. Topics include data types, descriptive statistics, probability, hypothesis testing, and statistical software basics. Students will learn to collect, organize, and analyse health-related data while understanding ethical considerations in statistical practices. Practical sessions emphasize applying statistical methods to real-world healthcare scenarios, fostering critical thinking and decision-making skills. By the end of the course, students will gain proficiency in biostatistical reasoning and data analysis, preparing them for evidence-based medical practice and research.</p>	

Course Code: PUBH1553	Course Title: Public Health Education
<p>This course introduces key concepts, methods, and roles of public health education in promoting health and preventing diseases. Students will apply public health education theories, design community programs, and communicate health information to encourage behaviour change. Emphasis is placed on ethical responsibility in program implementation and educational outreach.</p>	



Course Code: PUBH1554	Course Title: Introduction to Mental Health
This course explores the determinants of mental health, their impact on public health, and the epidemiology of mental health disorders within populations. Students will analyse public health data to evaluate mental health needs, design community-based mental health programs, and develop strategies to promote mental well-being. The course emphasizes teamwork, empathy, and ethical considerations in addressing mental health challenges.	

Level 4, Second Year (Second Semester)

Course Code: Course Code: BMS1020	Course Title: General Anatomy and Physiology
Anatomy and physiology course will focus on the essential knowledge of structure and functions of all human organ systems which will be presented in a practical and comprehensive manner. The course primarily focuses on basic facts in human anatomy and physiology that must be understood by the students in order to pursue their healthcare career. The learning materials will be easy to follow and ideal for anyone requiring a solid understanding of how the human body works.	

Course Code: BMS1260	Course Title: Research Methodology
The course is designed to provide students the concepts of health sciences research and research process, as well as emphasize on the key steps for executing research. By the end of the course, students should recognize the role of literature review in research process and differentiate between quantitative and qualitative approaches of research in health sciences. Students also should evaluate the strengths and limitations of various research designs utilized in health sciences research. This course prepares students to identify sampling methods and sample size and to apply data analysis and tests for significance.	

Course Code: BMS1022	Course Title: Pharmacology
This course is designed to develop an understanding of the theoretical concepts such as the pharmacokinetics and pharmacodynamics of drugs, and the concepts surrounding pharmacotherapy. It gives specific information concerning the cardiopulmonary, vascular, central, and peripheral nervous system, and classifications as well as common examples in each category. With each classification of drugs covered, their mode of action, clinical effects, and side effects will be emphasized.	



Course Code: BMS 1023	Course Title: Health Informatics
<p>Health Informatics is an interdisciplinary field that combines knowledge of information sciences and medical sciences to optimize the use and application of biomedical data across the spectrum from molecules to individuals to populations. This course will present students with an introduction to the field of biomedical informatics through the use of core technologies and data science (computational and analytical methods) and the use of health information technology to improve patient outcomes/healthcare delivery. The course will focus on applications within the medical domain. This course also prepares students to successfully pass the exams for the following certificate:</p>	
<p>1- Certificate name: The Data Science of Health Informatics Accredited by: Coursera: offered by Johns Hopkins University Online link: https://www.coursera.org/learn/the-data-science-of-health-informatics.</p>	
<p>2- Certificate name: The Data Science of Health Informatics Accredited by: Coursera: offered by Johns Hopkins University Online link: https://www.coursera.org/learn/the-data-science-of-health-informatics.</p>	

Course Code: PUBH1555	Course Title: Medical Microbiology
<p>This course introduces key microbiology concepts relevant to public health, focusing on the role of microorganisms in health and disease. Students will analyse microbial data, apply knowledge to infection prevention strategies, and demonstrate ethical practices in managing microbial samples and data.</p>	

Course Code: PUBH1556	Course Title: Introduction to Environmental Health
<p>This course explores environmental factors influencing human health and their role in disease prevention. Students will assess environmental risks, design mitigation strategies, and demonstrate responsibility in addressing environmental health challenges, with a focus on public health implications.</p>	

Course Code: PUBH1557	Course Title: Public Health Nutrition
<p>This course explores the role of nutrition in public health, emphasizing its relationship with chronic diseases and population health needs. Students will analyse nutritional data, design interventions for vulnerable populations, and demonstrate ethical responsibility in promoting nutrition-related health practices.</p>	



Level 5, Third Year (First Semester)

Course Code: PUBH1792	Course Title: Communicable Diseases
This course examines the characteristics, transmission methods, and prevention of common communicable diseases. Students will explore public health strategies for controlling outbreaks, analysing data trends, and designing interventions to minimize risks and improve public health outcomes.	
Course Code: PUBH1558	Course Title: Introduction to Health Promotion
This course introduces the principles and strategies of health promotion, emphasizing community-level interventions and effective communication techniques. Students will explore health promotion theories, design interventions, and evaluate ethical considerations in implementing health promotion initiatives.	
Course Code: PUBH1559	Course Title: Food Safety and Hygiene
This course focuses on the principles of food hygiene and safety, emphasizing food-borne illnesses, their prevention, and the application of safety standards in public health. Students will develop food safety protocols and demonstrate ethical responsibility in implementing safety practices.	
Course Code: PUBH1560	Course Title: Public Health Determinants
This course examines the social, economic, and environmental determinants of health and their influence on population health outcomes. Students will utilize data to assess impacts, develop targeted public health interventions, and advocate for health equity by addressing key determinants of health.	
Course Code: PUBH1561	Course Title: Public Health Legislation and Policies
This course examines public health laws and policies, focusing on their development, implementation, and impact on health outcomes. Students will analyse legal frameworks, develop advocacy strategies, and demonstrate accountability in policy-related public health decisions.	
Course Code: PUBH1562	Course Title: Medical Parasitology
This course provides an overview of key parasitological concepts relevant to human health, including life cycles transmission, and public health implications of common parasites. Students will analyse parasitic infection data, apply knowledge to public health interventions, and uphold ethical standards in data collection and analysis.	



Course Code: PUBH1563	Course Title: Primary Healthcare
This course provides an overview of the principles and components of primary healthcare and its role in public health systems. Students will explore healthcare approaches to address population needs, design initiatives for underserved populations, and demonstrate ethical commitment in healthcare delivery.	

Course Code: PUBH1564	Course Title: Occupational Health 1
This course introduces the principles of occupational health, emphasizing hazard identification, risk assessment, and prevention of workplace injuries. Students will develop health and safety protocols and demonstrate responsibility in promoting workplace safety and health.	

Level 6, Third Year (Second Semester)

Course Code: PUBH1793	Course Title: Occupational Health 2
This course delves into advanced occupational health practices, emphasising workplace exposures, health risk assessments, and preventive measures. Students will design strategies to mitigate hazards and promote ethical standards in occupational health.	

Course Code: PUBH1565	Course Title: Public Health Statistics
This course introduces statistical concepts and methods relevant to public health. Students will learn to interpret public health data, use statistical software for data analysis, and evaluate findings to make evidence-based decisions. Emphasis is placed on ethical practices in statistical reporting and interpretation.	

Course Code: PUBH1566	Course Title: Public Health Epidemiology 1
This course introduces foundational epidemiological concepts and methods for studying disease causation, transmission, and outbreak investigation. Students will analyse epidemiological data, apply methods to public health decisions, and demonstrate ethical practices in handling data.	

Course Code: PUBH1567	Course Title: Entomology and Vector Control
This course explores the role of vectors in disease transmission and vector control strategies. Students will analyse vector-borne disease data, apply control techniques in public health practices, and demonstrate ethical responsibility in implementing control measures.	



Course Code: PUBH1794	Course Title: Non-Communicable Diseases
This course focuses on the epidemiology, risk factors, and public health implications of non-communicable diseases (NCDs). Students will develop interventions and promote healthy behaviours to reduce NCD prevalence. The course emphasizes health promotion strategies, evidence-based interventions, and policy initiatives to reduce the burden of NCDs.	

Course Code: PUBH1568	Course Title: Infection Prevention and Control
This course covers the principles and strategies of infection control in public health settings. Students will explore methods for preventing infectious disease transmission, apply control strategies in healthcare and community environments, and develop tailored infection control plans. It covers principles of infection transmission, standard precautions, outbreak management, and healthcare-associated infections.	

Course Code: PUBH1795	Course Title: Health Program Planning and Evaluation
This course provides students with a comprehensive understanding of the principles, processes, and practices involved in planning, implementing, and evaluating public health programs. Emphasis is placed on assessing community health needs, setting objectives, designing evidence-based interventions, and measuring their effectiveness. Students will develop skills in stakeholder engagement, resource allocation, data analysis, and reporting to enhance the efficiency and impact of health programs.	

Level 7, Fourth Year (First Semester)

Course Code: PUBH1796	Course Title: Public Health Clinical Practice 1
This course provides field experience in applying public health principles to real-world settings. Students engage in fieldwork with public health organizations, healthcare agencies, and community partners to address health challenges, promote disease prevention, and improve population health outcomes. The course emphasizes ethical decision-making, cultural competence, and professional communication. Reflection on field experiences fosters critical thinking and personal growth as future public health professionals.	



Course Code: PUBH1797	Course Title: Public Health Epidemiology 2
<p>This course builds on foundational epidemiology concepts, exploring advanced methods and their applications in chronic disease prevention and public health interventions. Students will evaluate strategies using epidemiological evidence and demonstrate ethical practices in research and intervention design.</p>	
Course Code: PUBH1569	Course Title: Public Health Quality Assurance
<p>This course introduces the principles of quality assurance in public health, focusing on quality standards, assessment tools, and strategies for continuous improvement. Students will apply these principles to evaluate public health services and demonstrate accountability in maintaining quality standards.</p>	
Course Code: PUBH1570	Course Title: Public Health Communication
<p>This course introduces principles of effective public health communication, emphasizing culturally sensitive strategies and ethical dissemination of information. Students will develop tailored communication plans, apply skills to engage diverse groups, and uphold ethical standards in public health contexts.</p>	
Course Code: PUBH1798	Course Title: Health Economics
<p>The course is intended to provide students with sufficient background in health economics theories to enable them to understand how the healthcare market works and under what conditions health care can be efficiently produced and allocated through markets, regulations, and a planned system. The course encourages students to fundamentally and rigorously examine the role of the market for the provision of health and health services and how public policy can influence these markets.</p>	
Course Code: PUBH1799	Course Title: Disaster Management
<p>This course covers the principles of disaster preparedness and response in public health. Students will learn to design emergency plans and demonstrate accountability in disaster management practices.</p>	
Course Code: PUBH1800	Course Title: Graduation Project 1
<p>This course focuses on the development of research skills necessary for public health practice. Students will identify research questions, apply methodologies, and develop proposals while demonstrating ethical responsibility.</p>	



Level 8, Fourth Year (Second Semester)

Course Code: PUBH1801	Course Title: Public Health Clinical Practice 2
This course provides clinical experience in public health practice through direct engagement with health agencies and organizations. Students will apply theoretical knowledge to real-world situations, develop problem-solving skills, and contribute to health interventions, research projects, or policy initiatives. The course emphasizes collaboration, professional communication, and critical thinking in addressing contemporary public health challenges.	
Course Code: PUBH1802	Course Title: Healthcare Management
This course provides a comprehensive overview of healthcare management principles, focusing on strategies to enhance healthcare delivery and operational efficiency. Students will develop management plans and demonstrate accountability in management practices.	
Course Code: PUBH1803	Course Title: Substance Abuse
This course examines the public health implications of substance abuse, including its causes, prevalence, and prevention strategies. Students will learn to assess trends, design interventions, and address substance abuse through ethical practices and community-based programs.	
Course Code: PUBH1804	Course Title: Health Behaviour Theories
This course examines foundational health behaviour theories and their applications in public health interventions. Students will design health promotion strategies and demonstrate ethical responsibility in behaviour change interventions.	
Course Code: PUBH1805	Course Title: Graduation Project 2
This capstone course allows students to apply their research skills by identifying a public health issue, collecting and analysing data, and presenting findings. Students will focus on ethical practices and practical solutions to address real-world public health challenges.	
Course Code: PUBH1806	Course Title: Public Health Surveillance
This course focuses on the development and implementation of surveillance systems to detect, monitor, and report diseases. Students will learn strategies to improve data collection, enhance disease control measures, and ensure ethical management of health surveillance data.	



Course Code: PUBH1807	Course Title: Environmental Impact Assessment
This course introduces students to the principles, tools, and applications of impact assessment in public health. Students learn how to assess policy effectiveness, analyse the implications of public health programs, and generate evidence-based recommendations for improving health outcomes.	

Elective Courses, the student must select only one elective course

Course Code: BMS1261	Course Title: Occupational Health and Safety
This course can be waived if the student provides evidence of completing and obtaining certification for Occupational Safety and Health Administration (OSHA) training from a training centre accredited and certified by the Technical and Vocational Training Corporation. This course is graded as (Pass/Fail) This course provides an overview of the important issues in Occupational Safety and Health. We will not only focus on the Occupational Safety and Health Act and its standards (or lack thereof), but on the larger political agenda of the global economy and how it influences the safety and health of workers around the world. The class style will be participatory, including small group discussions and activities. Related videos will supplement our class discussion. The challenge of providing safe and healthy workplaces in a context of a market economy and global competition that produces pressure for low-cost production. Students will consider major types of workplace health and safety problems; review existing public policy in the area, and learn how to conduct a workplace audit. They also consider how employers, unions, and public policy might improve health and safety outcomes. Issues addressed using multiple disciplines (sociology; history; industrial hygiene; and employment relations).	

Course Code: BMS1264	Course Title: Heart Saver and First Aid
This course can be waived if the student provides evidence of completing and obtaining certification for Basic Life Support (BLS) and first aids. training from a training centre accredited and certified by the Saudi Heart Association – or the Saudi Red Crescent – or American Heart Association. This course is graded as (Pass/Fail). The first aids and heart saver course focuses on providing basic skills and save lives principles of population, and providing required immediate responses and emergent care. The theory part of the course focuses on knowledge and information to provide basic first aid services and save lives skills while the practical section focuses on the training in the lab for application of appropriate actions to save victims' life. It trains participants first aid basics for the most common first aid emergencies, including how to	



recognize them, how to call for help, and how to perform lifesaving skills. This course prepares students to success the certification course in Basic Life Support (BLS) and first aids.

Course Code: BMS1262	Course Title: Patient safety in Health Care
This course can be waived if the student provides evidence of completing and obtaining certification for Professional in Patient Safety (CPPS) training from a training centre accredited and certified by the American institute for healthcare or by Institute for Healthcare Improvement This course is graded as (Pass/Fail). Patient Safety in Healthcare course is designed to enhance the FAMS students' ability to implement recent updates in the practical guidance on implementing goals and processes to of patient safety in healthcare sectors. It covers the full spectrum of patient safety and risk reduction— from the fundamentals of the science of safety, through a thorough discussion of operational issues, and the application of the principles of research. The course focuses on the practical side of patient safety and show how patient safety can be improved by changing practices, both cultural and technological, throughout whole organizations. This course prepares students to success in the course certification of patient safety (Certified Professional in Patient Safety (CPPS) or Patient Safety Certificate Program).	

Course Code: BMS1263	Course Title: Healthcare Quality
This course can be waived if the student provides evidence of completing and obtaining certification for Certified Professional in Healthcare Quality (CPHQ) training from a training centre accredited and certified by the National Association for Healthcare Quality®, NAHQ This course is graded as (Pass/Fail). Students will introduced to the principles and techniques of total quality management in healthcare. Issues of safety, quality control, and efficiency goals are discussed in the context of healthcare. Topics explore a range of stakeholder issues from consumers to payers and regulatory agencies. The application of tools to analyse data to improve stakeholder experiences will be discussed. This course will cover (but not limited to) how to focus on quality, quality management building blocks, measuring and evaluating performance, continuous improvement, performance improvement tools, quality standards and regulations, improvement projects, teams, improving patient safety, achieving reliable quality and safety in healthcare, risk management in healthcare, managing the use of healthcare resources and organizing for quality. This is an elective course that prepares students for the Certified Professional in Healthcare Quality (CPHQ) Certification.	

Level 9, 10 and 11 Internship (Training)

- The internship program in Public Health Department extends for one academic year, divided into three rotations:



- Level 9 PUBH1808 Public Health Internship 1, Level 10 PUBH1809 Public Health Internship 2 and Level 11 PUBH1810 Public Health Internship 3.
- Students are required to complete their internship successfully.

8. Graduation Requirements

Students who are enrolled in the program must meet the following criteria to obtain a bachelor's degree in (Applied Medical Sciences –Public Health):

1. Passing all courses in the study plan (143 credits).
2. Completing one year of clinical training (12 months of internship).
3. The GPA of the graduate student must not be less than 1.00 out of 4.0.

9. Grading System

Grading System at the Public Health Department

The grading scale at the Public Health Department is based on a 4.00-point system as shown below:



Percentage Grade	Rank	Grade Symbol	Grade Weight
95 – 100	Excellent High	A+	4.00
90 – 94	Excellent	A	3.75
85 – 89	Very Good High	B+	3.50
80 – 84	Very Good	B	3.00
75 – 79	Good High	C+	2.50
70 – 74	Good	C	2.00
65 – 69	Acceptable High	D+	1.50
60 – 64	Acceptable	D	1.00
Below 60	Fail	F	0.00

Honour Degree

The honour degree is awarded to distinguished students who demonstrate exceptional academic performance throughout their studies. To qualify for the first or second class of honours, the following criteria must be met:

1. The student in Public Health Department must not have failed any course during study at the university or in transferred courses from other institutions.
2. The student must complete all graduation requirements within the standard duration without exceeding the maximum allowed period.
3. The student must complete at least 60% of the graduation requirements at Al-Baha University.
4. First Class Honor is awarded to students graduating with a GPA between 3.75 and 4.00 out of 4.00.
5. Second Class Honour is awarded to students graduating with a GPA between 3.25 and 3.74 out of 4.00.



10. Appendices

Handbooks
<u>Academic Advising for Staff-Public Health 1447.pdf</u>
<u>Academic Advising Guide for Students-Public Health 1447.pdf</u>
<u>Admission, and Registration Guide for Students-Public Health 1447.pdf</u>
<u>Complaints and Grievances Guide for Students-Public Health 1447.pdf</u>
<u>Rights and Duties Guide for Staff-Public Health 1447.pdf</u>
<u>Rights and Duties Guide for Student-Public Health 1447.pdf</u>
<u>Students Guide to Study and Examination Regulations-Public Health 1447.pdf</u>

