

Doctor of Philosophy in Health Science



Prospectus, 2024



Pokhara University
Faculty of Health Sciences

Message from the Dean



Dear prospective students!

Welcome to the Faculty of Health Sciences (FHS), Pokhara University!

It is with great pleasure and enthusiasm that I extend my warmest greetings to all prospective Ph.D. candidates in Health Sciences. As Dean of the Faculty of Health Sciences, Pokhara University, it is my honor to introduce our inaugural Doctor of Philosophy (PhD) program, designed to foster scholarly excellence and innovation in the realm of health sciences.

At Pokhara University, we are committed to nurturing the next generation of leaders and researchers in the field of health sciences. Our Ph.D. program stands as a testament to this commitment, offering a comprehensive curriculum that combines rigorous academic training with practical research experience.

As you embark on this transformative journey, you will have the opportunity to engage with distinguished faculty members who are renowned experts in their respective fields. Our faculty bring a wealth of knowledge and experience to the table, ensuring that you receive the guidance and mentorship needed to succeed in your academic pursuits.

One of the distinguishing features of our Ph.D. program is its interdisciplinary approach. We welcome students from diverse backgrounds, including pharmacists, medical microbiologists, medical biochemists, hematologists, nursing professionals, public health professionals, and more. This diversity enriches the learning experience and fosters collaboration across various disciplines, ultimately leading to groundbreaking research and innovation.

Our curriculum is carefully designed to provide a balance between core courses, elective courses, and thesis work, allowing you to tailor your academic journey to suit your interests and career goals. With a total of 60 credits, including 12 credits in core courses, 6 credits in elective courses, and 42 credits in thesis work, our program offers a comprehensive and structured framework for scholarly inquiry.

Moreover, as part of Pokhara University, you will have access to state-of-the-art facilities and resources that will support your research endeavors. Whether you are conducting laboratory experiments, field studies, or literature reviews, our university provides the necessary infrastructure and tools to facilitate your academic pursuits.

I am confident that our Ph.D. program will empower you to make meaningful contributions to the field of health sciences and address pressing global health challenges. As you embark on this exciting journey, I encourage you to embrace every opportunity for growth, collaboration, and discovery.

Once again, welcome to the Faculty of Health Sciences at Pokhara University. We look forward to embarking on this journey with you and witnessing your academic and professional achievements unfold.

Warm regards,

A handwritten signature in black ink, appearing to read 'Amar Nagila'.

Dr. Amar Nagila
Dean, Faculty of Health Sciences
Pokhara University, Nepal

Pokhara University

Pokhara University was established only in 1997 under the Pokhara University Act, 1997. The Incumbent Honorable Prime Minister and the Honorable Minister for Education of the Federal Democratic Republic of Nepal are the Chancellor and the Pro-Chancellor of the University respectively.

Vision

- To be a leader in the promotion of education through quality higher education, health and community service

Mission

- Develop the institution into a Center of Excellence for Higher Education by enhancing teaching, learning and research activities; to accelerate the national development process by producing job market-driven, responsible, productive, welfare focused and committed human resources; to link the university system with community services
- Unfold the potential and creativity of learners, advocating humanism, reason, innovation, and search for truth.

Goals

The goals of Pokhara University are as follows:

- To build the university system into an advanced center of learning, and research including frontier approach to study like open learning
- To produce high level human resources equipped with knowledge, skill, personality, leadership, and human values, who can meet present day work challenges, act as change agents, and give direction for the future
- To serve as an institution to make higher education accessible to the underprivileged section of the society
- To make a positive contribution to academic scholarship, research and publication that will underpin and strengthen the teaching curriculum and generate knowledge
- To build a dynamic institution capable of withstanding changes
- To pursue excellence and quality in all aspects of the university's activities and services
- To link the knowledge, research, and publication with the productivity to serve the nation for the creation of knowledge economy, especially the weaker section of the society
- To increase the competitiveness of the University in regional and international level

Objectives

- To produce high quality skilled human resource in the area of science, technology, management, social sciences, law, humanities, education, and other professional areas for national development
- To encourage participation of the private sector in the development of higher education
- To create healthy, respectful and result oriented and disciplined academic environment by improving quality in higher education
- To promote the quality and standard of higher education through the healthy competition in higher education
- To promote the quality and standard of higher education through the healthy competition in higher education
- To contribute to the community development by operating extension programs

Faculty of Health Sciences

Introduction

The Faculty of Health Sciences (FHS) was established in 2016. Although the program of health sciences had already been started since 2001 under Faculty of Science and Technology. The faculty aims to produce skilled and qualified human resources in the field of health sciences. The curriculum of health science programs at Pokhara University focusses on the development of highly skilled professionals with excellent research capabilities.

Vision

Our vision is twofold:

- To cultivate skilled and qualified human resources in the field of health sciences.
- To spearhead cutting-edge research endeavors in the realm of health sciences, while concurrently providing sophisticated medical facilities.

Mission

The mission of our undergraduate and graduate programs in the Faculty of Health Sciences is multifaceted:

- To facilitate the development of competent professionals and lifelong learners who champion community health/public health disciplines, including health education and related areas.
- To deliver integrated medical services to the community while fostering research-oriented scientists equipped with high-tech skills and profound ethical values.
- To offer a range of effective and relevant programs tailored to the demand for adequately qualified professionals in various disciplines of Health Sciences.
- To pioneer new courses in health sciences, including health tourism, through the provision of quality higher education, health, and community service.
- To nurture partnerships with healthcare professionals, academic personnel, and the community at large.

Goals and Objectives

Our goals and objectives are:

- To unlock the potential and creativity of learners, fostering humanism, tolerance, reason, innovation, and the pursuit of truth within competitive educational environments through extension programs.
- To cultivate skilled human resources in areas spanning law, science, technology, management, liberal arts, and educational and vocational studies.
- To nurture creative and research-oriented scientists in both basic and applied sciences through private participation in higher education.
- To produce outstanding engineers, architects, pharmacists, biochemists, and technical experts imbued with commendable ethical values and competencies to confront the challenges of the 21st century.

Programs Offered

Ph D level Doctor of Philosophy in Health Science	Bachelor Level
Master Level <ul style="list-style-type: none">• Master of Pharmaceutical Sciences (Natural Products Chemistry)• Master of Pharmaceutical Sciences (Clinical Pharmacy)• Master of Public Health (Public Health Service Management)• Master of Public Health (Health Promotion and Education)• Master of Science in Medical Biochemistry• Master of Science in Medical Microbiology• Master of Optometry	<ul style="list-style-type: none">• Bachelor of Pharmaceutical Sciences• Bachelor of Science in Laboratory Technology• Bachelor of Public Health• Bachelor of Science in Nursing• Bachelor of Science in Biochemistry• Bachelor of Science in Medical Biochemistry• Bachelor of Science in Medical Microbiology• Bachelor of Physiotherapy• Bachelor of Nursing Science (BNS)• Bachelor of Optometry

Doctor of Philosophy (PhD) in Health Science

1. Title of the study Program / Degree:

The program is titled "Doctor of Philosophy in Health Science." While the PhD in Health Science program will be tailored to specialize in one of the following majors: Natural Products Chemistry, Clinical Pharmacy, Pharmacognosy, Pharmaceutics, Public Health, Medical Microbiology, Medical Biochemistry, Hematology and Blood Banking, Nursing, and other Allied subjects.

In 2024, we currently offer doctoral programs in various fields i.e., Natural Products Chemistry, Clinical Pharmacy, Public Health, Medical Microbiology, and Medical Biochemistry. based on the subjects in which we have existing master's programs at our constituent school.

2. Program Objectives:

The PhD program in Health Science is unique in Nepal, providing an opportunity to take interdisciplinary and professional health science core courses along with the discipline specific specialized courses and engage in high quality research in relevant to health issues.

The key objective of the PhD in Health Science program is to produce highly qualified specialist in different dimensions of Health Sciences with in-depth knowledge and skills in:

- i. Theoretical aspects of health sciences with the advancement in their specialized subject
- ii. Andragogy in specialized subjects
- iii. Responding to the issues and problems in health sciences
- iv. Current trends in health research, health care, diagnosis and treatment
- v. Developing health system, policy, strategic plan and improve healthcare in country
- vi. Address the issues of global health, diseases, care and treatment
- vii. Ethics and integrity in health research

3. Allocated Seat

Seats are allocated based on the discretion of the Faculty Doctoral Committee (FDC) across various disciplines. Here's a breakdown of the seat allocation.

- a) Natural Products Chemistry/Clinical Pharmacy: 2 seats
- b) Public Health: 2 seats

c) Medical Microbiology/Medical Biochemistry: 2 seats

Additionally, there is additional seat/s can be allocated for the sponsored students of above-mentioned program by the discretion of the Faculty Doctoral Committee (FDC). In case a seat remains vacant in one program, it may be transferred to another program.

4. Curricular Structure

The PhD in Health Science at Pokhara University is a fulltime coursework-research tract degree program. The PhD in Health Science program curriculum is designed to equip students with theoretical knowledge and practical base for conducting research and publication. It comprises a primary research-based thesis and qualifying credits of coursework (taught course) as defined by the Pokhara University regulation for Doctoral Program 2013. The coursework component includes core courses (12 credits) and elective (specialization) courses (6 credits) according to the major of the respective PhD candidate. Depending upon the applicant's interest and the area of the specialization, the Faculty Doctoral Committee (FDC) of Faculty of Health Sciences, in consultation with supervisor, will assign a set of specialized courses to each candidate. For the coursework, candidates are required to attend the lectures and qualify written examinations conducted by the Faculty of Health Sciences. The details of curriculum structure is explained below. The curriculum comprises the following three distinct components:

- **Core courses:**

The substantive core courses in the area of Health Sciences provide students with an opportunity for in-depth and focused knowledge which require the students to consolidate their comprehension in their field of studies. Philosophy of Science, Advanced Health Research, Advanced Biostatistics, and Scientific Writing, Journal Club and Seminar, will be compulsory courses for all doctoral candidates.

- **Elective (Specialization) courses:**

Students are offered various elective courses in the field of health sciences, with a view to enable them in widening their horizon of knowledge in the specific area of their specialized subject of health sciences.

- **Thesis:**

The major component of the doctoral studies is the thesis to be conducted by a doctoral scholar, based on the primary research work, data analysis and should render substantial contribution to the body of knowledge and show evidence of originality through the discovery of new facts or the exercise of independence and critical power in the interpretation of theories and acts in the field of study.

5. Program Operation and Credit System

The official language of instruction is English for teaching learning, seminar, thesis writing and examination for the PhD in Health Science program. Admission will open once in a year. Pokhara University follows semester-based credit system. Each course carries a weightage of designated number of credits. The teaching learning activities include class lectures, tutorial, and practical work. In theory subjects, one hour of activity per week over 16 weeks (16 hours) is assigned to one credit that is, a course with three-credits comprises 48 hours activity in a 16 weeks long semester. Each course is assigned with one or more faculty members to deliver, facilitate, and evaluate the course. If the course is taught by more than one faculty member, then one of the members is designated as the course coordinator of that particular course. In practical and research, one credit will be equivalent to three working hours per week.

6. Entry Requirements and Admission Procedures

Applicant should have completed master's degree in related discipline relevant to the proposed specialization in PhD program and should have registered with relevant professional council. Applicants of PhD in Health Science should fulfill the minimum eligibility criteria to enroll as a PhD candidate. The admission to PhD in Health Science program is based on candidate's statement of purpose, academic documents, entrance examination, and interview. PhD candidate should meet the following specific qualifications to apply:

- i. 2 (two) years working experience for those who have passed Master Level with 3.00/4.00 CGPA or high Second Division (55%).
- ii. 1 (one) year working experience for those who have passed Master Level with 3.30/4.00 CGPA or First Division.
- iii. There will be no requirement of working experience for those who have passed Master Level with 3.75/4.00 CGPA or Distinction Division.

A statement of purpose:

Doctoral candidate must submit a statement of purpose (not more than 3000 words) incorporating i) academic background, ii) motivation to apply PhD in Health Science, iii) synopsis of the proposed research for the PhD thesis with maximum 10 most relevant references, iv) future career plans after PhD and v) commitments to complete PhD.

Letter of recommendation:

Application shall be accompanied by recommendation letters from two referees. One of the referees must be a candidate's academic referee from his/her previous institution from where he/she completed his/her master's degree. Candidates should provide contact details of the referees and letter of recommendations should be submitted directly by the referee electronically. It is candidate's responsibility to inform respective referees to furnish recommendation letters within the deadline.

Copies of academic credentials:

Applicants shall submit self-attested copies of all academic transcripts and certificates.

Admission procedure:

Faculty of Health Sciences shall announce admission for PhD in Health Science. The regular intake of PhD in Health Science shall take place once in a year. All the applications, fulfilling the admission criteria, submitted will be considered for the further processing. The FDC scrutinizes the application and the shortlisted applicants will be notified to attend the entrance test. The date and time for the entrance test will be decided by the FDC and announced. Admission to the PhD in Health Science shall be granted based on the combined score of the entrance test, academic documents, statement of purpose, and interview. The required number of candidates will be offered admission to PhD in Health Science based on the merit ranking of the applicants. All the successful candidates shall fulfil the payment of the designated fee and liabilities according to the Pokhara University Regulation for Doctoral Program, 2013.

7. Course Registration

Students are required to register courses prior to the start of each semester. All students must present themselves at the Program Office to register the course, unless stated otherwise.

8. Attendance Requirements

The students must attend every lecture, tutorial, and practical class. However, to accommodate for late registration, sickness, and other such contingencies, the attendance requirements will be a minimum of 80 per cent of the classes actually held.

9. Duration of Study

The PhD in Health Science of Pokhara University is a minimum three-year fulltime program, constituting six regular semesters from the date of PhD commencement. In addition,

- Student shall complete the designated coursework in four semesters from the date of admission.
- Student may apply for an extension of PhD duration, if student is unable to complete the doctoral thesis within the given duration of three years from the date of PhD commencement. The extension shall be in a semester basis (one semester at a time) depending upon the candidate's research progress, recommendation of the supervisor, approval of FDC, and payment of the semester fee. The overall extension shall not exceed additional three years (six semesters). If the student cannot complete his/her thesis within the extended period, six years (12 semesters) from the date of commencement), the doctoral candidacy from the PhD in Health Science will be annulled.
- Candidate shall pay the designated amount of semester fee (one semester at a time) for the extended period as well.

10. Evaluation of Coursework

A student's performance in a taught course is evaluated as follows.

- i. The course evaluation shall include regular internal evaluation and a written examination at the end of the course (end-of-the-course examination; ECE).
- ii. The Office of the Dean will conduct ECE of taught courses at the end of the respective course and/or semester.
- iii. The pass mark for both the ECE and internal evaluation is sixty per cent. A student must qualify in both evaluations separately to get a pass grade in a particular course. The final grade awarded to a student in a course is based on his/her consolidated performance in both evaluations.
- iv. The internal evaluation may consist different activities including in-class problem solving assignments; journal article review, case study, multiple choice question-based quizzes, presentation, and relevant activities but not the structured written examination. A student will be declared NOT QUALIFIED (NQ) in the internal evaluation if his/her performance falls below the minimum requirement. Such students will not be allowed to appear in the ECE for that course.

11. Grading System

The grading system will be followed as per the rules and regulations of the Office of the Controller of Examinations, Pokhara University.

12. Requirements for the Doctoral Degree

The requirements for the award of the Doctoral degree are as follows in general and as stipulated by the Pokhara University Regulation for Doctoral Program, 2013 in particular.

- i. A student shall complete a minimum of 18 credit coursework.
- ii. A student shall have successful candidacy for the advancement to the doctoral thesis upon writing a successful proposal and defending it in an academic gathering.
- iii. One conference oral presentation with the first authorship of the student based on the student's doctoral thesis research presented in a national or international conference.

- iv. At least one research articles with the first authorship of the student based on the student's doctoral thesis research (excluding review article), must be at least accepted for publication in the peer reviewed SCI, PubMed Indexed or Scopus listed journals.
- v. A successful defending of the doctoral thesis.
- vi. Approval of the doctoral thesis by FDC.

13. Appointment of the Supervisors

The FDC shall declare Principal supervisor and Co-supervisor(s) to supervise the doctoral research and manage academic administration. It is candidate's responsibility to liaise with prospective supervisor and propose their supervisor(s) based on their research interest and supervisor's field of expertise prior to the finalization of supervisor(s). Proposed supervisor should provide a consent and declare the absence of conflict of interest to supervise the designated PhD student.

Besides the fulltime faculty members of Pokhara University, the experts in the relevant field working in a relevant research institution outside Pokhara University in fulltime basis at a position equivalent or above Associate Professor of Pokhara University and without any conflict of interest at personal or institutional level can be included in supervisor panel (as an external supervisor) considering the availability and need of expertise. However, in case of external supervisor, at least one of the supervisors must be the fulltime faculty member of Pokhara University.

Eligibility of supervisor:

- i. Must have Doctor of Philosophy (PhD) degree in the relevant field.
- ii. Must be working experience of five years as an Assistant Professor /Lecturer or above.
- iii. Must have published at least five research articles as a principal author or a corresponding author in the relevant field in the peer-reviewed and international indexed journals in the last ten years.

Number of PhD students:

A fulltime faculty member of Pokhara University (Professor, Associate Professor and Assistant Professor) can accept two new PhD students per year. However, as a principal supervisor, the maximum number of PhD student at a time should not exceed five for Professor, four for Associate Professor and three for Assistant professor/Lecturer. The maximum number of co-supervised PhD students at a time should be five, four and three for Professor, Associate Professor and Assistant Professor/Lecturer. The FDC will decide the maximum number of PhD student allocated to an external supervisor, which should not exceed one new student per year and maximum of three PhD students at a time.

Supervision weightage:

In case of single supervisor, the principal supervisor shall bear 100% responsibility of supervision.

- i. In case of co-supervision by two supervisors, the principal supervisor shall bear not less than 60% responsibility of supervision and a co-supervisor(s) shall bear at least 25% of the supervision responsibility.
- ii. In case of co-supervision by three supervisors (maximum allowable number of supervisor), the principal supervisor shall bear not less than 50% responsibility of supervision and a co-supervisors shall bear at least 20% of the supervision responsibility.

14. Supervision of the Doctoral Candidate

- i. The supervisors (Principal Supervisor and Co-supervisor) shall supervise the doctoral student throughout the thesis work.
- ii. The supervision weightage shall be agreed and decided at the time of supervisor's role assignment.
- iii. The doctoral student shall report in writing to supervisor(s) regularly as instructed by the Principal Supervisor, at least twice per semester by submitting the Doctoral Research Progress Review Form (DRPRF) along with necessary supporting documents.
- iv. The Main Supervisor shall keep records of the work progress of the candidate and send a copy of the DRPRF to the FDC for official record.
- v. A candidate registered for the Doctoral program may be required to teach or audit course(s) relevant to his/her thesis work on the recommendation of his/her supervisor.
- vi. Normally change of supervisor/co-supervisor shall not be permitted, except under the circumstances mentioned below.
 - a) In case the supervisor has left his affiliation with the University or by the mutual consent of supervisor and FDC. The FDC shall have to recommend the same to the CDS with justification.
 - b) In case of extreme hardship, it becomes almost impossible for supervisor and candidate to work with each other. This clause is to be used sparingly under abnormal circumstances only and requires approval from FDC and CDS.

15. Pre-Defense Presentation

- i. Every doctoral candidate is required to present the thesis in a common pre-defense session in presence of an external examiner, supervisor(s), FDC member(s), faculty member(s) and the peers.
- ii. Upon a written request by the Main Supervisor to organize pre-defense presentation of the thesis of the candidate supervised by his/her team, the FDC shall organize a common pre-defense presentation meeting.

16. Submission of Thesis for Examination

- i. Prior to the submission of the thesis for final evaluation, the candidate shall submit a draft copy of thesis along with a synopsis within 2000 to 3000 words to the Main Supervisor.
- ii. The candidate while submitting his/her draft thesis to the Main Supervisor shall submit a declaration in writing according to the prescribed format by the FDC.
- iii. The thesis submitted for the process of final examination shall fulfil following requirements.
 - (a) The medium of thesis writing is English along with the abstract written in both English and Nepali languages;
 - (b) The thesis must render substantial contribution to the body of knowledge and show evidence of originality through the discovery of new facts or the exercise of independence and critical power in the interpretation of theories and facts, and must state the material published or unpublished used by the candidate; and
 - (c) The thesis must be satisfactory in terms of its language and presentation of the data. The thesis must be checked for plagiarism, language and format by the expert(s) in the roster (consisting of at least five members) formed by CDS.

- iv. If Main Supervisor cannot be satisfied with the quality of the works or presentation, the candidate shall be allowed to resubmit the amended draft and present it within three months.
- v. The Main Supervisor will consider the final output of the thesis and grant approval for processing for final examination if it fulfils all the requirements.
- vi. The draft thesis must be submitted to the FDC within one month of the approval from Main Supervisor.
- vii. The candidate, upon approval of the Main Supervisor, shall submit a hard copy of synopsis of the thesis in the prescribed format along with the soft copy in pdf and MS-Word format, within 2000 to 3000 words. This synopsis shall be sent to two of the external examiners for their prior consent to examine the final thesis.
- viii. In the meantime, upon the approval of the Main Supervisor, the candidate shall submit the thesis prepared in a prescribed format, printed and bound in soft-cover for officially submitting to the Final Examination Committee.
- ix. The doctoral candidate should also submit a proof of:
 - At-least one conference presentation with the first authorship of the student based on the student's doctoral thesis presented in a national or international conference, and
 - Publication or proof of acceptance for publication of at least one research articles with the first authorship of the student based on the student's doctoral thesis research in peer reviewed SCI, PubMed Indexed or Scopus listed journals.

17. Examination of Thesis

- i. Upon the approval of the roster of external examiners recommended by FDC by CDS, the FDC shall send a copy of the thesis to three external examiners, two from within the country and one from abroad to evaluate the thesis.
- ii. The external examiners may recommend that the thesis be accepted for the award of Doctoral degree or that the thesis be allowed to be resubmitted with necessary improvement, or that the thesis be rejected.
- iii. If the evaluation result of the any two external examiners (including one from abroad) is to resubmit the thesis, the candidate shall have to redo the thesis work with a view to respond the comments of the external examiners.
- iv. The candidate who is required to incorporate comments to his/her thesis must do so within three months from the date of officially submitting the comments of the external examiners to him/her, but not exceeding the overall time limit of the program. The candidate must submit the response report to the Main Supervisor.
- v. Upon approval of the final draft thesis by two external examiners (including one from abroad), the FDC in consultation with the Main Supervisor shall call for the final doctoral seminar, final viva-voce, and defense of the doctoral thesis by the candidate, which shall be participated by at least one external examiner, at least CDS Member Secretary or a member of CDS, FDC Chair, at least one member of the FDC, and Supervisor(s). The final evaluation of the doctoral thesis shall be done by the evaluation committee comprising of at least an external examiner and principal supervisor participating in the final doctoral seminar/viva-voce.

- vi. The evaluation committee will assess the thesis and oral presentation. Each member of the evaluation committee shall submit a detailed assessment report of the thesis in a format prescribed by the FDC and may recommend either (a) an acceptance of thesis in the form as presented; or (b) an acceptance of thesis in the form as presented, but with minor corrections; or (c) the thesis be accepted with major revisions that are to be advised to the candidate and then recommend for oral defense to FDC; or (d) the thesis be rejected.
- vii. If rejected, the thesis can be resubmitted only once as recommended by the evaluation committee. The revised thesis shall be examined by the original examiners unless FDC stated otherwise.
- viii. The revised thesis shall be resubmitted along with the full amount of the thesis evaluation fee.
- ix. The Faculty Doctoral Committee shall notify the result in accordance with the decision of the Doctoral Dissertation (Thesis) Final Examination Committee, which comprises the Supervisor(s) and the External Examiners.

18. Research Integrity and Ethics

All the PhD scholars and supervisors should abide by the provisions of academic integrity and research ethics as stated in the Code of Conduct for Research Integrity and Ethics, Pokhara University Regulation for Doctoral Program, 2013.

19. Award of the Degree

The PUCDS shall arrange to confer the Doctoral degree for the successful candidate on the forthcoming convocation held for the conferring of the degree. The Doctoral degree of Pokhara University shall be awarded by the University upon fulfilment of all requirements stated in Rule (6) and follow rules and procedures of the Pokhara University award of the degree. The successfully completion of requirements for the PhD in Health Science will be awarded as a PhD in Health Science with mentioning the specialized area.

20. Detailed Curricular Structure

The PhD in Health Science students are required to complete the minimum of 18 credits coursework and 42 credits thesis. Students are required to complete four courses of three credits each (12 credits) of core courses (theories, practices, philosophy, research and seminars); two courses (6 credits) of elective courses and a PhD thesis (42 credits). The structure of curriculum for the Doctoral of Philosophy (PhD) in Health Sciences is presented on area-wise and semester-wise distribution of courses as follows.

Curriculum Structure Doctor of Philosophy (PhD) in Health Science

Course code description:

- i. **First three letters (alphabet):** Acronym of the course reflecting the respective specialization department e. g. BCM: Biochemistry
- ii. **First digit:** Level of the course / University education (1, 2, 3, & 4: for Bachelor 1st, 2nd, 3rd & 4th year; 5 & 6: Master 1st and 2nd year, 7: PhD)
- iii. **Second digit:** Represents the semester (can be 1, 2, 3, ...)
- iv. **Third digit:** Course serial number (can be 1-9)

Course Structure:

Course Code	Course	Credits
Core Courses		12
HES 711	Philosophy of Science	3
HES 712	Advanced Health Research	3
HES 713	Advanced Biostatistics	3
HES 714	Scientific Writing, Journal Club and Seminar	3
Elective Courses (Specialized Subjects: Any Two courses to be taken)		6
HES 721	Independent Study in Specialized Area	3
HES 722	Health Informatics	3
HES 723	Advanced Laboratory Techniques	3
PUH 721	Recent Advances in Public Health	3
PUH 722	Health System & Policy Analysis	3
PUH 723	Health Economics	3
PUH 724	Health Promotion and Education	3
PUH 725	Health Behavior and Social Determinants of Health	3
PUH 726	Public Health Nutrition	3
PUH 727	Nutrition and Chronic Diseases	3
PUH 728	Reproductive and Family Health	3
PUH 729	Issues and Trends in Epidemiology	3
PUH 730	Advanced Study Designs in Epidemiology	3
CLP 721	Applied Pharmacotherapeutics	3
CLP 722	Advances in Clinical Pharmacokinetics	3
PHT 721	Bio-pharmacy and Formulation Technology	3
PHT 722	Drug Candidates Discovery and Optimization	3
NPC 721	Studies on Himalayan Crude Drugs	3
NPC 722	Advances in Phytochemistry	3
NPC 723	Isolation and Identification of Secondary Metabolites	3
PHG 721	Analytical Pharmacognosy	3
PHG 722	Molecular Pharmacognosy	3
PHG 723	Medicinal Plant Biotechnology	3
MEM 721	Recent Advances in Medical Microbiology	3
MEM 722	Microbial Genetics & Physiology	3
MEM 723	Advanced Virology	3
MEM 724	Advanced Immunology	3
BCM 721	Recent Advances in Medical Biochemistry	3
BCM 722	Clinical Biochemistry & Molecular Cell Biology	3
BCM 723	Metabolic Biochemistry & Genetic Disease	3
HBB 721	Recent Advances in Hematology & Blood Banking	3
HBB 722	Advanced Hematology	3
HBB 723	Advanced Blood Banking	3
NUS 721	Recent Advances in Nursing Science	3
NUS 722	Nursing Theories and Development	3
NUS 723	Nursing Workforce and Quality Patient Care	3
Thesis		42
HES 731	PhD Thesis	42
Total Credit Hours		60

21. Medium of Study:

The language of teaching, learning, discussion, communication and evaluation (including all examination, assignments and reports) and thesis will be in English.

22. Scholarship:

The scholarship will be provided as per the decision of Pokhara University.

23. Degree Award:

In order to get the degree of PhD in Health Science, each student must successfully complete all the requirements prescribed by the PhD course syllabus and the eligible criteria set by the rules and regulations of the Controller of Examination of Pokhara University.

24. Fee Structure :

Fee and payments for the PhD in Health Science comprise of admission, semester, research and thesis.

SN	Particulars	Year 1		Year 2		Year 3		Year 3-5	
		Sem I	Sem II	Sem III	Sem IV	Sem V	SemVI		
1	Entrance Fee	Rs. 5,000							
2	PU Registration Fee	Rs.10,000							
3	Refundable deposit	Rs.10,000							
4	PU Development Fee	Rs.10,000							
5	Tuition fee	Rs.50,000	Rs.50,000	Rs.50,000	Rs.50,000	Rs.50,000	Rs.50,000		
6	Institutional Overhead	Rs.5,000	Rs.5,000	Rs.5,000	Rs.5,000	Rs.5,000	Rs.5,000		
7	Examination fee	Rs.2,500	Rs.2,500	Rs.2,500	Rs.2,500	Rs.2,500	Rs.2,500		
8	Research fee			Rs.45,000	Rs.45,000	Rs.45,000	Rs.50,000		
9	Pre viva seminar fee							Rs.15,000	
10	Thesis evaluation fee							Rs.45,000	
11	Plagiarism check fee							Rs.5,000	
12	Viva voce fee							Rs.20,000	
Total		Rs. 92,500	Rs. 57,500	Rs.102,500	Rs.102,500	Rs.102,500	Rs.107,500	Rs.85,000	
Grand Total									Rs.650,000

Note:

- Students from SAARC countries shall pay 1.75 and other international students shall pay 2 times of the total fee.
- Students sponsored from international project shall pay 2 times the total fee.
- Semester fee shall be paid at the beginning of the semester.
- Each PhD student can use specific research materials, chemicals, and reagents etc. maximum up to NRs. 185,000 depend on research (thesis) work.



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