
# POKHARA UNIVERSITY

## Faculty of Health Sciences

# School of Health and Allied Sciences

**(A Constituent School)**

## Prospectus 2019 (2076)

www.pushas.edu.np

# Message From Director

**Damaru Prasad Paneru,** PhD
***Director***
School of Health and Allied Sciences

**Dear prospective students and guardians!**

Welcome to School of Health and Allied Sciences (SHAS), Faculty of Health Sciences (FHS), Pokhara University (PoU)!

Internalizing the responsibility of the Pokhara University towards the national development, it has made an endeavor to establish an institution of academic excellence producing academically sound and professionally excellent university level graduates in the field of medical and paramedical sciences.

The school located at the heart of the city of seven lakes 'Lekhnath' having its social, historical and cultural importance. The school is linked with black tarred roads and equipped with all the basic amenities. The beautiful scenes of the different mountain ranges can be observed from its surroundings. Communities around the school are well cooperative, friendly and helpful.

The university has established the 'School of Pharmaceutical Sciences' in 2001 as a constituent school and committed to launch undergraduate, postgraduate and the research degrees in health sciences. Initially, the school has started four years Bachelor of Pharmaceutical Sciences (B. Pharm) program under the banner of 'the School of Pharmaceutical Sciences'. With the addition of undergraduate program in laboratory science (BSc MLT) in 2003, the name was modified as "School of Pharmaceutical and Biomedical Sciences". With the further expansion of academic programs in Bachelor in Public Health (BPH) and Bachelor of Science in Nursing (BSc Nursing) in 2009, the school was renamed as School of Health and Allied Sciences. At present, SHAS is one of the young, dynamic centre for academic excellence in Nepal. It offers four to five years undergraduate and two to three years post-graduate programs in health sciences. We have plan to launch master level courses in medical laboratory sciences, nursing sciences, extension of specializations in pharmaceutical sciences and public health; ungergaduate programs in radiology, dental sciences, optometry, modern and alternative medicines.

Recently, School has launched Bachelor of Physiotherapy in 2018. Now, the school has five undergraduate programs and two master level programs in Pharmaceutical sciences and Public Health with two areas of specializations namely Master of Pharmaceutical Sciences (Natural Products Chemistry and Clinical Pharmacy) and Master of Public Health (Public Health Service Management and Health Promotion and Education). The school is moving towards the fulfillment of its vision "production of skilled and qualified human resources in the field of medical and paramedical sciences"

Teaching-learning activities are facilitated by modern technologies. Class room are equipped with multimedia projectors, models and items; laboratories are equipped with chemicals, advanced equipments and diagnostics; filed visits are organized for the students to make their exposures to different industries and governmental and non-governmental organizations; offer practical in government and non government medical college teaching hospitals and specialized hospitals. We offer several residential and concurrent field practices in different communities and we do organize several outreach programs to socialize and understand the community needs. In addition, we are in the process of aligning with the Quality Assessment and Accreditation (QAA) system of University Grants Commission, Nepal. In Nepal, QAA certification is considered as one of the hallmarks of the quality in education institution as a whole. Our faculties, staff and the students are taking the advantages of more than sixty memorandum of understandings signed with different universities and organizations across the globe.

At last, I appeal to the prospective students and the guardians, take the advantages of the excellence as the enrollment are made on merit basis only. To enroll our programs, the prospective students must secure top merits as the entrance examinations are very tough and crucial. Therefore, your interest SHAS will make our concern regarding you and our intellectual investment on you will guide the national development as our professionally sound, accountable, skilled and disciplined intellects will serve the nation with humanity.

Thanking you for believing us.

Damaru Prasad Paneru, MPH, PhD
Director

# Fundamental values of the School of Health and Allied Sciences

'School of Health and Allied Sciences' at present offers five undergraduate programs and six master-level programs. Pharmaceutical Sciences, Medical Laboratory Sciences, Public Health, Nursing, and Physiotherapy are the disciplines in which the school offers programs. The school is moving towards the fulfillment of its vision "production of skilled and qualified human resources in the field of medical and paramedical sciences"

## Vision

The University has fully understood that it has to partake and contribute in raising the living standard and improving the quality of life of the people to bring about the permanent peace, prosperity, and wellbeing in the country by contributing to create gainful employment opportunities, raising production and productivity, removing the drudgery on work with the promotion and use of indigenous, local and appropriate technologies by promoting and using sustainable energy and by changing the social psychology of the people towards sustainable development goals and social justice.

## Mission

The mission of Pokhara University is to develop as a Centre of Excellence for Higher Education by excelling teaching and learning; research and publication; and outreach activities; contributing to the national development process by producing job market-oriented, responsible, productive, service-oriented and committed human resources; and linking the university system with the community services.

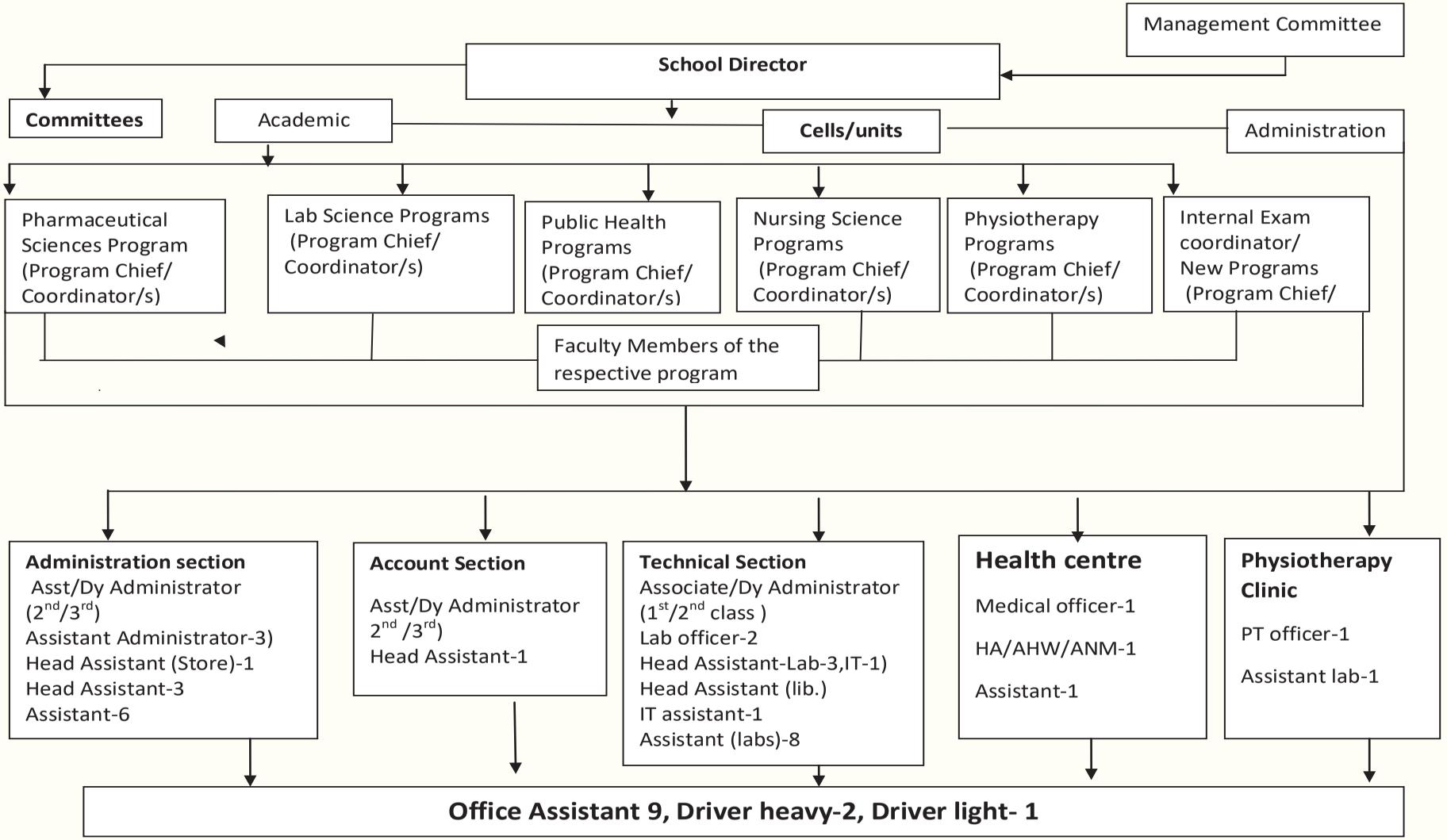
## Goal and Objectives

- Unveil the strength of learners through the extension of programs
- Develop highly equipped labs to enhance education and experiment
- Prepare creative and research-oriented scientists in the field of basic, as well as applied sciences, Produce well qualified and skilled graduates to fulfill the national and international demand

## Salient Features

- Sound and peaceful learning environment
- Extensive and unlimited use of technology in the teaching learning process with high-speed internet
- Updated variety of teaching-learning methods:
- In-course seminars
- Fully equipped laboratories
- Community exposure
- National and international conferences and symposium
- High academic records and glorious public record
- Professional, highly dedicated research and result oriented faculty with strong background carrying extensive technical experience and high academic achievements
- Extensive feasible programs designed and developed under the national strategy and priority of the government of Nepal.

# Organogram of the School of Health and Allied Sciences, Faculty of Health Sciences, Pokhara University




Note:

Cell/Units: Different units/cells are developed according to the need of organization. It includes internal quality assurance cell, placement and counseling cell, research management cell, Alumni etc.

Committee: different committee can be formed to fulfill the certain task. These are inspection committee, research committee, report development committee, evaluation committee, alumni/ student welfare committee etc.

# Programs and Courses Offered

## Pharmaceutical sciences

Having experience of almost two decades of pharmaceutical education in Pokhara, We at Pokhara University offer an excellent environment and facilities to our students enrolled in the Master of Pharmaceutical Sciences in Natural Products Chemistry and Clinical Pharmacy. We are the pioneer in our country with regard to the study of pharmaceutical natural products and we are doing excellent in the field of Clinical Pharmacy. Soon we will be having our Pharmaceutics program also resumed.


**Atis Kaundinnyayana**
*Program Coordinator*
*M. Pharm Program*
Email: gurusbliss@gmail.com


The B. Pharm. program is committed to endeavor for quality in pharmaceutical education. It is escalating up the horizon and setting a new trend with respect to the education system and career opportunities. Health care has perceived rapid development in recent year. The pharmacist acts is an important bridge between doctors and patients for providing medicines and information for better health care.


**Nim Bahadur Dangi**
*Program Coordinator*
*B. Pharm Program*
E-mail: dcnim2@gmail.com


We offer following undergraduate and graduate programs since 2001 and 2005 respectively.

1. Undergraduate Level (4 years)
- Bachelor of Pharmaceutical Sciences (B. Pharm.) 40 seats

2. Graduate Level (2 years)
- Master of Pharmaceutical Sciences (M. Pharm.) in Natural Products Chemistry- 7 seats
- Master of Pharmaceutical Sciences (M. Pharm.) in Clinical Pharmacy-10 seats

## Course Objectives

The course of B. Pharm. and M.Pharm. are designed to achieve the following targeted objective:

- To provide adequate educational facilities to students for career in pharmacy profession
- Study and strengthen the existing pharmacy practices in the public and private sector organizations through continuous education and training
- To provide adequate knowledge and practical skill for rewarding career in natural medicine research and pharmaceutical care practice in different settings.
- To assist pharmaceutical and related organizations in solving their problems by providing consultancy services
- To contribute to the scientific community through research and publications

## Career Opportunity

After obtaining the B.Pharm and M.Pharm degree, the pharmacy graduates will be eligible for rewarding employment in the following situations:

- Pharmaceutical Industry
- Hospitals
- Drug dispensing establishment
- Governmental drug administrations
- Academia
- Drug research laboratory `
- Health research institutes
- Natural Medicine Research Institutes
- NGOs/INGOs

## Admission Requirements

Each year, application is called by Pokhara University, School of Health and Allied Sciences for the following programs

- Undergraduate Program (Bachelor of Pharmaceutical Sciences, B.Pharm.)
- Graduate Program (Master of Pharmacy, M. Pharm)

**UNDERGRADUATE PROGRAM- Bachelor in Pharmaceutical Sciences (4 years/8 semesters)**

To be eligible for applying to the program, one must meet the following criteria:

- Must have passed 12 years (10+2) of formal education
- Must have passed Higher Secondary Level Physics, Chemistry and Mathematics (PCM) OR Physics, Chemistry and Biology (PCB) with an average grade of 50%
- Must appear in the entrance examination

The entrance examination is highly competitive and only the successful candidates are eligible to get admission.

**GRADUATE PROGRAM- M. Pharm. (Natural Products Chemistry and Clinical Pharmacy)**

(2 years/4 semesters)

To be eligible for applying to the program, the candidate shall possess B. Pharm. degree of Pokhara University with a minimum CGPA of 2.5 out of 4 scales or 55% equivalent B. Pharm. degree of any other university, recognized by Pokhara University. The candidate also must be registered with Nepal Pharmacy Council.

## M. Pharm. (Natural Products Chemistry)

| Semester I | | |
|---|---|---|
| **Code** | **Subject** | **Credit hrs** |
| NPC 511 | Natural Product Chemistry I | 3 |
| NPC 512 | Natural Product Chemistry II | 3 |
| INS 591 | Instrumental Analysis and Quality Assurance | 3 |
| RES 592 | Literature and Research Methodology | 3 |
| PHY 593 | Phytochemistry and Phytopharmaceutical | 3 |
| SEM-1 | Seminar-1 | 1 |
| **Total Credit Hours** | | **16** |
| NPC 513 | Natural Product Chemistry III | 3 |
| NPC 514 | Natural Product Chemistry IV | 3 |
| ELE 594 | Elective | 3 |
| ELE 595 | Elective | 3 |
| SEM-2 | Seminar-2 | 1 |
| **Total Credit hours** | | **13** |
| PHG 611 | Natural Product Chemistry V | 3 |
| ETH 691 | Human Ethics | 3 |
| ELE 692 | Elective | 3 |
| SEM-3 | Seminar-3 | 1 |
| **Total Credit Hours** | | **10** |
| THESIS | Thesis | 9 |
| SEM-4 | Seminar-4 | 1 |
| **Total Credit Hours** | | **10** |

### * Electives Subjects

- Biotechnology and Gene Therapy
- Plant Toxicology and Clinical Uses
- Applied Therapeutics and cosmeceuticals
- Pharmaeconomics and Pharmaco epidemiology

## Notes:

- Without completing the prescribed requirement, M. Pharm. Degree will not be awarded.
- M. Pharm. course is full two years original research program. Student together with the Supervisor must approve the Research Topic in the beginning of the First Semester.
- Research Supervisor must have PhD degree or Master degree on relative field with at least two papers in the peer reviewed relevant Scientific Journal.
- At the end of each semester the students must report the progress of the research as per schedule of the department.
- In order to award M. Pharm. degree, a student must publish at least one paper in the peer reviewed relevant Scientific Journal or must obtain approval for the publication of at least one paper by the peer reviewed relevant Scientific Journal or must present a paper in the national or international symposium

# M. Pharm. (Clinical Pharmacy)

| SEMESTER I | | |
|---|---|---|
| **Code** | **Subject** | **Credit hrs** |
| CLP 511 | Clinical Pharmacy I | 3 |
| THR 512 | Applied Therapeutics I | 3 |
| HCP 513 | Hospital and Community Pharmacy | 3 |
| INS 591 | Instrumental Analysis and Quality Assurance | 3 |
| LAB-1 | Clinical Pharmacy Laboratory I | 1 |
| LAB-2 | Instrumental Analysis and Quality Assurance | 1 |
| SEM -1 | Clinical Pharmacy Seminar I | 1 |
| | **Total** | **15** |

| SEMESTER II | | |
|---|---|---|
| **Code** | **Subject** | **Credit hrs** |
| CLP 514 | Clinical Pharmacy II | 3 |
| THR 515 | Applied Therapeutics II | 3 |
| PEP 592 | Pharmacoeconomics and Pharmacoepidemiology | 3 |
| CLR-1 | Clinical Clerkship I | 3 |
| LAB-3 | Clinical Pharmacy Laboratory II | 1 |
| SEM-2 | Clinical Pharmacy Seminar II | 1 |
| | Total | 14 |

| Semester III | | |
|---|---|---|
| **Code** | **Subject** | **Credit hrs** |
| RES 691 | Health Research Methods | 3 |
| PHJ 692 | Pharmaceutical Jurisprudence | 1 |
| CLR-2 | Clinical Clerkship II | 3 |
| CFP-1 | Community Field Practice | 3 |
| DRI-1 | Drug Information and Pharmacovigilance | 1 |
| | Total | 11 |

| Semester IV | | |
|---|---|---|
| **Code** | **Subject** | **Credit hrs** |
| LTR -1 | Critical Literature Review | 2 |
| THESIS | Thesis | 7 |
| | Total | 9 |

## Notes:

- Two months Community Field Practice (Third Semester) will be held in the field as arranged by the Department
- Six months compulsory research/project work (Fourth Semester) in the Final Year. The Thesis / Report of the Project work should be submitted in the Department with defense.

# Bachelor of Pharmaceutical Sciences

| SEMESTER I | | | |
|---|---|---|---|
| **S. N.** | **Code** | **Subject** | **Credit** |
| 1 | PHT 101 | Pharmaceutics I (Fundamentals of Pharmacy) | 3 |
| 2 | APL 131 | Anatomy and Physiology I | 3 |
| 3 | PCM 171 | Pharmaceutical Chemistry I (General Chemistry) | 2 |
| 4 | PCM 172 | Pharmaceutical Chemistry II (Stereochemistry and Reaction Mechanism) | 3 |
| 5 | PHG 181 | Pharmacognosy I (Medicinal and Aromatic Plants) | 2 |
| 6 | MTH 191 | Mathematics | 3 |
| 7 | PHT 191 | Pharmaceutical Laboratory 1 (Fundamentals of Pharmacy) | 1 |
| 8 | PCM 191 | Pharmaceutical Laboratory 2 (General Chemistry) | 1 |
| 9 | PHG 191 | Pharmaceutical Laboratory 3 (Medicinal and Aromatic Plants) | 1 |
| | | **Total** | **19** |

| SEMESTER II | | | |
|---|---|---|---|
| **S. N.** | **Code** | **Subject** | **Credit** |
| 1 | PHT 102 | Pharmaceutics II (Physical Pharmacy) | 3 |
| 2 | BCM 121 | Biochemistry | 3 |
| 3 | APL 132 | Anatomy and Physiology II | 3 |
| 4 | CBL 141 | Molecular Cell Biology (Genetic Engineering) | 3 |
| 5 | PCM 173 | Pharmaceutical Chemistry III (Physical Chemistry) | 2 |
| 6 | STT 191 | Biostatistics and Computer Application | 3 |
| 7 | PHT 192 | Pharmaceutical Laboratory 4 (Physical Pharmacy) | 1 |
| 8 | BCM 191 | Pharmaceutical Laboratory 5 (Physiology and Biochemistry) | 1 |
| 9 | PCM 192 | Pharmaceutical Laboratory 6 (Pharmaceutical Analysis) | 1 |
| 10 | SEM 191 | Pharmaceutical Seminar 1 | 1 |
| | | **Total** | **21** |

| SEMESTER III | | | |
|---|---|---|---|
| **S. N.** | **Code** | **Subject** | **Credit** |
| 1 | PHT 201 | Pharmaceutics III (Dosage Forms and Formulations A) | 3 |
| 2 | APL 231 | Anatomy and Physiology III (Pathophysiology) | 3 |
| 3 | MBL 251 | Pharmaceutical Microbiology | 3 |
| 4 | IML 261 | Immunology (Fundamentals of Immunology) | 3 |
| 5 | PCM 271 | Pharmaceutical Chemistry IV (General Chemical Reaction) | 2 |
| 6 | PHG 281 | Pharmacognosy II (Natural Products Chemistry I) | 3 |
| 7 | PHT 291 | Pharmaceutical Laboratory 7 (Dosage Forms and Formulations A) | 1 |
| 8 | MBL 291 | Pharmaceutical Laboratory 8 (Pharmaceutical Microbiology) | 1 |
| 9 | PHG 291 | Pharmaceutical Laboratory 9 (Natural Product Chemistry) | 1 |
| 10 | SEM 291 | Pharmaceutical Seminar 2 | 1 |
| | | **Total** | **21** |

| SEMESTER IV | | | |
|---|---|---|---|
| **S. N.** | **Code** | **Subject** | **Credit** |
| 1 | PHT 202 | Pharmaceutics IV (Dosage Forms and Formulations B) | 3 |
| 2 | PHT 203 | Pharmaceutics V (Biopharmaceutics A) | 3 |
| 3 | PHL 211 | Pharmacology I | 3 |
| 4 | PCM 272 | Pharmaceutical Chemistry V (Analytical Chemistry) | 3 |
| 5 | PHG 282 | Pharmacognosy III (Natural Products Chemistry II) | 3 |
| 6 | PHG 283 | Pharmacognosy IV (Spectroscopy) | 3 |
| 7 | PHT 292 | Pharmaceutical Laboratory 10 (Dosage Forms and Formulations B) | 1 |
| 8 | PCM 292 | Pharmaceutical Laboratory 11 (Analytical Chemistry) | 1 |
| 9 | PHG 292 | Pharmaceutical Laboratory 12 (Spectral Analysis) | 1 |
| 10 | SEM 292 | Pharmaceutical Seminar 3 | 1 |
| | | **Total** | **22** |

| SEMESTER V | | | |
|---|---|---|---|
| S. N. | Code | Subject | Credit |
| 1 | PHT 301 | Pharmaceutics VII (Pharmaceutical Engineering and Drawing) | 3 |
| 2 | PHT 302 | Pharmaceutics VI (Biopharmaceutics B) | 3 |
| 3 | PHL 311 | Pharmacology II | 3 |
| 4 | PCM 371 | Medicinal Chemistry I (Natural Drugs) | 3 |
| 5 | PCM 372 | Pharmaceutical Chemistry VI (Name Reaction) | 3 |
| 6 | PHG 381 | Pharmacognosy V (Himalayan Crude Drugs) | 2 |
| 7 | PHT 391 | Pharmaceutical Laboratory 13 (Pharmaceutical Engineering and Drawing) | 1 |
| 8 | PHT 392 | Pharmaceutical Laboratory 14 (Biopharmaceutics) | 1 |
| 9 | PHL 391 | Pharmaceutical Laboratory 15 (Pharmacology) | 1 |
| 10 | SEM 391 | Pharmaceutical Seminar 4 | 1 |
| | | **Total** | **21** |

| Semester VI | | | |
|---|---|---|---|
| S. N. | Code | Subject | Credit |
| 1 | PHT 303 | Pharmaceutics VIII (Industrial Pharmacy) | 3 |
| 2 | PHT 304 | Pharmaceutics IX (Hospital and Community Pharmacy) | 3 |
| 3 | PHT 305 | Pharmaceutics X (Quality Assurance) | 3 |
| 4 | PHL 312 | Pharmacology III (Toxicology) | 3 |
| 5 | PCM 373 | Medicinal Chemistry II (Synthetic Drugs) | 3 |
| 6 | PHT 306 | Pharmaceutical Management and Entrepreneurship | 3 |
| 7 | PHT 393 | Pharmaceutical Laboratory 16 (Industrial Pharmacy) | 1 |
| 8 | PHT 394 | Pharmaceutical Laboratory 17 (Quality Assurance) | 1 |
| 9 | PCM 391 | Pharmaceutical Laboratory 18 (Medicinal Chemistry) | 1 |
| 10 | SEM 392 | Pharmaceutical Seminar 5 | 1 |
| | | **Total** | **22** |

| SEMESTER VII | | | |
|---|---|---|---|
| S. N. | Code | Subject | Credit |
| 1 | PHT 401 | Pharmaceutics XI (Cosmetology) | 3 |
| 2 | PHT 402 | Pharmaceutics XII (Clinical Pharmacy) | 3 |
| 3 | PHT 403 | Social and Public Health Pharmacy | 3 |
| 4 | PHL 411 | Pharmacology IV (Pharmacotherapeutics) | 3 |
| 5 | PHG 481 | Pharmacognosy VI (Traditional Systems of Medicine) | 2 |
| 6 | RES 491 | Research Methodology | 3 |
| 7 | PHT 491 | Pharmaceutical Laboratory 19 (Cosmetology) | 1 |
| 8 | PHT 492 | Pharmaceutical Laboratory 20 (Hospital & Clinical Pharmacy) | 1 |
| 9 | PHG 491 | Pharmaceutical Laboratory 21 (Traditional Systems of Medicine) | 1 |
| 10 | SEM 491 | Pharmaceutical Seminar 6 | 1 |
| | | **Total** | **21** |

| SEMESTER VIII | | | |
|---|---|---|---|
| S. N. | Code | Subject | Credit |
| 1 | PHT 404 | Pharmacy Practice | 3 |
| 2 | PHT 405- | Pharmaceutical Jurisprudence | 3 |
| 3 | RES 492 | Research Project Work | 6 |
| | | **Total** | **12** |
| | | **Grand Total** | **159** |


# Medical Laboratory Technology, Microbiology and Biochemistry

Prof. Dr. Bishnu Raj Tiwari
*Program Chief*
*Msc. Medical Biochemistry/Microbiology*
E-mail: bishnurajtiwari@gmail.com

We offer following undergraduate and graduate programs since 2009 and 2019 respectively.

1. Undergraduate Level (4 years)
    - Bachelor of Science in Medical Laboratory Technology (B.Sc. MLT) 40 seats

3. **Graduate Level (3 years)**
    - Master of Science in Medical Biochemistry (M. Sc. MB) - 5 seats
    - Master of Science in Medical Microbiology (M. Sc. MM) - 5 seats

MLTs, Microbiology and Biochemistry conduct laboratory tests which are vitally important in the detection, diagnosis and treatment of many illnesses and diseases as well as necessary for the physicians to be able to diagnose, monitor, treat and prevent disease. The goal of this program is to produce clinical laboratory experts, middle and high level laboratory scientists who can fuel up existing level of medical professionals.

The B.Sc. MLT program in Pokhara University run under the banner of School of Health & Allied Sciences. The vision of this program is to produce a skilled and qualified professional human resources in the field of medical laboratory science carrying out preventive, curative, promotive and rehabilitative assignments and research.

**Suresh Jaisawal**
*Program Coordinator*
*B. Sc. MLT*
E-mail:- suuress@gmail.com

## Career Opportunities

1 Universities (Academic and Research)
2 General Hospital and Clinics
3 Medical College and Teaching Hospital
4 National and International Governmental and Non-governmental Health Organization (NGO and INGO)
5 Health and Health Research Organization- Health Centers, Research Institutions
6 Hospital and Clinic
7 Pharmaceutical Industry
8 Governmental Drug Administration
9 Adverse Drug Reaction Monitoring Service
10 Food industries

## Admission Requirements for B. Sc. MLT

The applicants must have minimum of 50% aggregate marks/grades in 10+2 (Science Stream) or PCL (Science) or I. Sc. or equivalent in addition with the minimum of 50% aggregates marks in Physics-Chemistry-Biology (PCB) to apply for the entrance examination. Besides the basic academic requirement, an entrance examination will be held for all applicants.

## Admission Requirements for graduate program (M. Sc. MB and M. Sc. MM)

The entry requirement for a new student in ***M. Sc. in Medical Biochemistry*** will be B. Sc. MLT, BMLT, B. Sc. Medical Biochemistry, BDS, and MBBS with at least GPA 2.5 (out of 4.0) or 55% marks. Besides the basic academic requirement an entrance examination will be held for all applicants.

The entry requirement for a new student in M. Sc. in Medical Microbiology will be B. Sc. MLT, BMLT, B. Sc. Medical Microbiology, BDS, and MBBS with at least GPA 2.5 (out of 4.0) or 55% marks. Besides the basic academic requirements an entrance examination will be held for all applicants.

## Master of Science in Medical Biochemistry (M.Sc. MB)

| Code | Subject | Credit hrs |
|---|---|---|
| First Year | First Semester | TH |
| BLS 501 | Human Anatomy and Physiology | 3 |
| MMB 501 | Principles of Biochemistry | 3 |
| BLS 502 | Immunology | 3 |
| MMB 502 | Analytical Biochemistry and Instrumentation | 3 |
| MMB 503 | Metabolism- I | 3 |
| MMB 504 | Enzymology | 3 |
| BLS 531 | Laboratory 1 (Human Anatomy and Physiology) | 1 |
| MMB 531 | Laboratory 2 (Principles of Biochemistry) | 1 |
| BLS 532 | Laboratory 3 (Immunology) | 1 |
| MMB 532 | Laboratory 4 (Analytical Biochemistry and Instrumentation) | 1 |
| MMB 533 | Laboratory 5 (Metabolism- I ) | 1 |
| MMB 534 | Laboratory 6 (Enzymology) | 1 |
| | | 24 |
| First Year | Second Semester | |
| MMB 551 | Metabolism II | 3 |
| MMB 552 | Bio markers and Recent Advances in Clinical Biochemistry | 3 |
| MMB 553 | Endocrinology | 3 |
| MMB 554 | Molecular Cell Biology and Genetic engineering | 3 |
| MMB 555 | Pediatric and Geriatric biochemistry | 3 |
| MMB 556 | Automation & quality control in Clinical Biochemistry | 3 |
| MMB 581 | Laboratory 7 (Metabolism II | 1 |
| MMB 582 | Laboratory 8 (Bio markers and Recent Advances in Clinical Biochemistry) | 1 |
| MMB 583 | Laboratory 9 (Endocrinology | 1 |
| MMB 584 | Laboratory 10 (Molecular Cell Biology and Genetic engineering | 1 |
| MMB 585 | Laboratory 11 (Pediatric and Geriatric biochemistry | 1 |
| MMB 586 | Laboratory 12 (Automation & quality control in Clinical Biochemistry | 1 |
| | | 24 |
| Second Year | Third Semester | |
| MMB 601 | Systemic medical biochemistry I | 3 |
| MMB 602 | Nutritional Biochemistry | 3 |
| BLS 601 | Bioinformatics | 3 |
| BLS 602 | Research Methodology | 2 |
| BLS 603 | Biostatistics | 3 |
| MMB 631 | Positing: Laboratory 13 (Hospital based Practice-I) | 1 |
| MMB 632 | Positing: Laboratory 14 (Hospital based Practice-II) | 1 |
| | | 16 |
| Second Year | Fourth Semester | |
| MMB 651 | Clinical genetic and inborn error of metabolism | 3 |
| BLS 651 | Clinical Pharmacology, Toxicology and Therapeutic drug monitoring | 3 |
| MMB 652 | Systemic medical biochemistry II | 3 |
| MMB 653 | Case studies and data interpretation | 2 |
| BLS 652 | Laboratory Management | 3 |
| MMB 671 | Positing: Laboratory 15 (Systemic medical biochemistry-I) | 1 |
| MMB 672 | Positing: Laboratory 16 (Systemic medical biochemistry-II) | 1 |
| | | 16 |

| Third Year | Fifth Semester | |
|---|---|---|
| MMB 681 | Hospital Based laboratory Practices-I | 4 |
| MMB 682 | Thesis | 9 |
| | | 13 |

| Third Year | Sixth Semester | |
|---|---|---|
| MMB 691 | Hospital Based laboratory Practices-II | 5 |
| **Total credit hours** | | **98** |

## Master of Science in Medical Microbiology (M.Sc. MM)

| Code | Subject | Credit hrs |
|---|---|---|
| First Year | First Semester | |
| BLS 501 | Human Anatomy and Physiology | 3 |
| MMM 501 | Microbial Biochemistry | 3 |
| BLS 502 | Immunology | 3 |
| MMM 502 | General Medical Microbiology | 3 |
| MMM 503 | Medical Biotechnology and Instrumentation | 3 |
| MMM 504 | Systemic Bacteriology-I | 3 |
| BLS 531 | Laboratory 1 (Human Anatomy and Physiology) | 1 |
| MMM 531 | Laboratory 2 (Microbial Biochemistry) | 1 |
| BLS 532 | Laboratory 3 (Immunology) | 1 |
| MMM 532 | Laboratory 4 (General Medical Microbiology) | 1 |
| MMM 533 | Laboratory 5 (Medical Biotechnology and Instrumentation) | 1 |
| MMM 534 | Laboratory 6 (Systemic Bacteriology-I) | 1 |
| | | 24 |

| First Year | Second Semester | |
|---|---|---|
| MMM 551 | Systemic Bacteriology-II | 3 |
| MMM 552 | Systemic Parasitology | 3 |
| MMM 553 | Pharmaceutical Microbiology | 3 |
| MMM 554 | Systemic Mycology | 3 |
| MMM 555 | Systemic Virology | 3 |
| MMM 556 | Recent advances and Molecular Microbiology | 3 |
| MMM 581 | Laboratory 7 (Systemic Bacteriology-II) | 1 |
| MMM 582 | Laboratory 8 (Systemic Parasitology) | 1 |
| MMM 583 | Laboratory 9 (Pharmaceutical Microbiology) | 1 |
| MMM 584 | Laboratory 10 (Systemic Mycology) | 1 |
| MMM 585 | Laboratory 11 (Systemic Virology) | 1 |
| MMM 586 | Laboratory 12 (Recent advances and Molecular Microbiology) | 1 |
| | | 24 |

| Second Year | Third Semester | |
|---|---|---|
| MMM 601 | Applied Medical Entomology | 2 |
| BLS 601 | Bioinformatics | 3 |
| MMM 602 | Public Health Microbiology | 3 |
| MMM 603 | Infectious Disease Epidemiology | 2 |
| BLS 602 | Research Methodology | 2 |
| BLS 603 | Biostatistics | 3 |
| MMM 631 | Posting: Laboratory 13 (Hospital Based Practice-I) | 1 |
| MMM 532 | Posting: Laboratory 14 (Hospital Based Practice-II) | 1 |
| | | 17 |

| Second Year | Fourth Semester | |
|---|---|---|
| MMM 651 | Systemic and Diagnostic Microbiology-I | 3 |
| MMM 652 | Systemic and Diagnostic Microbiology-II | 3 |
| BLS 651 | Clinical Pharmacology | 2 |
| BLS 652 | Laboratory Management | 3 |
| MMM 653 | Emerging and Re-emerging diseases | 2 |
| MMM 671 | Posting: Laboratory 15 (Systemic and Diagnostic Microbiology-I) | 1 |
| MMM 672 | Posting: Laboratory 16 (Systemic and Diagnostic Microbiology-II) | 1 |
| | | 15 |

| Third Year | Fifth Semester | |
|---|---|---|
| MMM 681 | Hospital Based laboratory Practices-I | 4 |
| MMM 682 | Thesis | 9 |

| Third Year | Sixth Semester | |
|---|---|---|
| MMM 691 | Hospital Based laboratory Practices-II | 5 |
| **Total credit hours** | | 98 |

# Bachelor of Science in Medical laboratory Technology (B. Sc. MLT)

## First Year

| Semester I | | |
|---|---|---|
| **Code** | **Subject** | **Credit Hrs** |
| MLS 101 | Medical Laboratory Science (MLS) | 3 |
| MBL 101 | Microbiology I (Fundamentals) | 3 |
| BCM 122 | Biochemistry I (Fundamental) | 3 |
| APL 133 | Anatomy and Physiology I | 3 |
| CHM 171 | General Chemistry (Structure and Reaction) | 3 |
| CHM 172 | Analytical Chemistry | 2 |
| MBL 191 | Lab 1 (Microbiology) | 1 |
| BCM 192 | Lab 2 (Biochemistry) | 1 |
| CHM 191 | Lab 3 (Analytical Chemistry) | 1 |
| | **Total Credit** | **20** |

| | Semester II | |
|---|---|---|
| **Code** | **Subject** | **Credit Hrs** |
| MBL 102 | Microbiology II (Bacteriology I) | 3 |
| BCM 123 | Biochemistry II (Biomolecules and metabolism I) | 3 |
| APL 134 | Anatomy and Physiology II | 3 |
| PTL 111 | General Pathology | 3 |
| MBL 103 | Microbiology III (Parasitology) | 3 |
| MBL 192 | Lab 4 Microbiology (Bacteriology) | 1 |
| BCM 193 | Lab 5 (Biochemistry) | 1 |
| MBL 193 | Lab 6 (Parasitology) | 1 |
| APL 192 | Lab 7 (Anatomy and Physiology) | 1 |
| MLS 191 | Seminar 1 | 1 |
| | **Total Credit** | **20** |

## Second Year

| Semester III | | |
|---|---|---|
| **Code** | **Subject** | **Credit Hrs** |
| MBL 201 | Microbiology IV (Bacteriology- II) | 3 |
| BCM 221 | Biochemistry III (Biomolecules and metabolism II) | 3 |
| HML 211 | Hematology I | 3 |
| BCM 222 | Biochemistry IV (Systemic Biochemistry) | 3 |
| IML 262 | Immunology | 3 |
| MBL 291 | Lab 9 Microbiology (Bacteriology) | 1 |
| BCM 291 | Lab 10 (Biochemistry) | 1 |
| HML 291 | Lab 11 (Hematology) | 1 |
| IML 291 | Lab 12 (Immunology) | 1 |
| MLS 291 | Seminar 2 | 1 |
| | **Total Credit** | **20** |

| Semester IV | | |
|---|---|---|
| **Code** | **Subject** | **Credit Hrs** |
| MBL 202 | Microbiology V (Virology) | 3 |
| BCM 223 | Biochemistry V (Clinical Biochemistry) | 3 |
| HML 212 | Hematology II | 3 |
| PTL 212 | Cytopathology | 3 |
| PTL 213 | Histopathology | 3 |
| MBL 292 | Lab 13 Microbiology (Virology) | 1 |
| BCM 292 | Lab 14 (Biochemistry) | 1 |
| HML 292 | Lab 15 (Hematology) | 1 |
| PTL 292 | Lab 16 (Cytopathology) | 1 |
| PTL 293 | Lab 17 (Histopathology) | 1 |
| MLS 292 | Seminar 3 | 1 |
| | **Total Credit** | **20** |

## Third Year

| Semester V | | |
|---|---|---|
| **Code** | **Subject** | **Credit Hrs** |
| MBL 301 | Microbiology VI (Mycology) | 3 |
| BCM 321 | Biochemistry VI (Enzymology and Endocrinology) | 3 |
| HML 321 | Hematology III (Immunohematology and Blood Bank) | 3 |
| BCM 322 | Molecular cell biology and Applied Biotechnology | 3 |
| MTH 391 | Biostatistics | |
| MBL 391 | Lab 18 (Microbiology) | 1 |
| BCM 391 | Lab 19 (Biochemistry) | 1 |
| HML 391 | Lab 20 (Hematology) | 1 |
| MLS 391 | Seminar 4 | 1 |
| | **Total Credit** | **19** |

| Semester VI | | |
|---|---|---|
| **Code** | **Subject** | **Credit Hrs** |
| MBL 302 | Microbiology VII (Clinical) | 3 |
| BCM 323 | Biochemistry VII (Diagnostic Biochemistry) | 3 |
| PHL 391 | Clinical Pharmacology and Toxicology | 3 |
| PTL 311 | Forensic and Medical Jurisprudence | 3 |
| PSM 381 | Epidemiology | 3 |
| MBL 392 | Lab 21 (Microbiology) | 1 |
| BCM 392 | Lab 22 (Biochemistry) | 1 |
| PHL 392 | Lab 23 (Toxicology) | 1 |
| MLS 392 | Seminar 5 | 1 |
| | **Total Credit** | **18** |

## Fourth Year

| Semester VII | | |
|---|---|---|
| **Code** | **Subject** | **Credit Hrs** |
| RES 493 | Clinical Laboratory Research | 3 |
| MLS 491 | Laboratory Management | 3 |
| RES 494 | Project Work | 6 |
| MLS 492 | Seminar 6 | 1 |
| | **Total Credit** | **13** |

| Semester VIII | | |
|---|---|---|
| **Code** | **Subject** | **Credit Hrs** |
| MLS 494 | Internship (Six Months) | 6 |
| | **Total Credit** | **6** |

# Public Health Program

Public Health, both as an academia and practice, has come a long way globally and nationally, coupled with challenges, in the last few decades. This led the need to fulfill the human resource gap in Public Health specializations. Pokhara University, SHAS, as a kick start to address this challenge, exerted an impetus to launch MPH in Public Health Service Management and Health Promotion Education in 2016; and Health Policy Research and Public Health Nutrition as third and fourth in line to come up with. Seasoned and capacitated faculties, academic environment (distant from downtown Pokhara), and luring nature of lakes, hills, rainfalls and snow-topped mountains would make the study a happy experience, along with a reliable credential, in addition.

**Chiranjivi ADHIKARI**
*Program Coordinator*
*MPH Program*
E-mail:- chiranadhikari@gmail.com

Public health promotes and protects the health of people and the communities where they live, learn, work and play through interdisciplinary actions. Double burden of diseases remain among the most devastating problems facing the majority of the world's poor and all needy people, and continue to dominate the health of the world's poorest nations. We have dire need to build health people, society, nation and world. Obviously, public health professionals can lead to solve the existing public health problems. We have the best teaching learning modalities and environment with up to date BPH curriculum which has distinct features compare to other academic institution. SHAS, Pokhara can develop and produce the qualified public health professionals for the nation and world.

**Nand Ram Gahatraj**
*Program Coordinator*
*BPH Program*
E-mail:- nr.gahatraj@gmail.com

Public health programs in SHAS of Pokhara University include Undergraduate & Graduate in Public health. Under Master of Public Health program two courses i.e. Health Promotion & Education (10 Seats) and Health Service Management (10 Seats) are currently running by the University which is 2 years (4 semesters) course by duration. Bachelor's Degree in Public Health is a 4 years (8 semesters) academic course.

## Career Opportunity

After obtaining the BPH and MPH courses, the public health graduates mainly tenured in following fields

- Civil servant – employed in Government offices
- NGOs/INGOs/HMOs
- UN Agencies
- Multilateral and Bilateral organizations
- Health Research organizations
- Academic Institutions
- Free-lancer consultants

## Admission Requirements

### For Bachelor of Public Health

- The entry requirement for a new student in BPH will be intermediate in Science (I. Sc.) or Higher Secondary Level (10+2 Science streams) or Proficiency Certificate Level (PCL, Science) or Certificate in Health Science or equivalent (PCL General Medicine, PCL Lab Technology, PCL in Dental Hygiene, PCL Nursing etc) as recognized by the Pokhara University with at least 50% marks.
- Besides the basic academic requirement, an entrance examination will be held for all applicants and only 32 candidates can get enrolled on merit basis per academic year

### For Master of Public Health

- For MPH in Health Promotion and Education, those candidates are eligible to apply who holds

Bachelor's Degree in Public Health (BPH) or Post Basic Bachelor's Degree in Nursing (PBN) or Bachelor of Science in Nursing (BSC N) with Community Nursing Specialization or Post Graduate Diploma in Health Education from a recognized university/institution.

- And for MPH in Public Health Service Management, those who have Bachelor's Degree in any health science field (Public Health, Nursing, Medicine, Laboratory Technology or Pharmacy) will be eligible to apply.
- Furthermore, the applicant must have obtained a minimum CGPA of 2.0 or 45% in bachelor level and at least one year working experience after completion of bachelor's degree, in health related Government Organizations, NGOs/INGOs or has teaching experience in CTEVT or university constituent or affiliated colleges/institutions in public health field.
- Success in the entrance examination designed for the course

## Course Structure:

**1. Master of Public Health** (Public Health Service Management/ Health Promotion and Education)

### CURRICULAR STRUCTURE AND COURSE CYCLE

**Semester I**

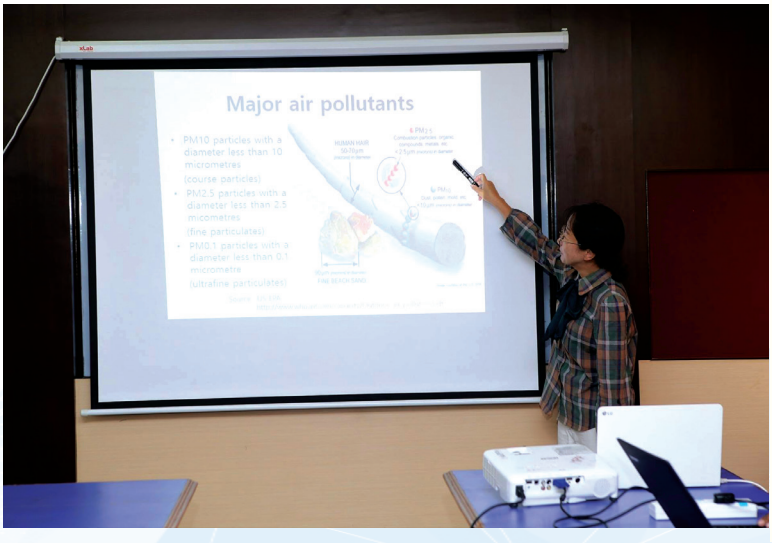
| Code | Subject | Credit Hrs |
|---|---|---|
| PHP 511 | Advanced Concept of Public Health | 3 |
| EPI 512 | Advanced Concept of Epidemiology | 3 |
| PHS 513 | Advanced Public Health Statistics | 3 |
| EOH 514 | Environmental and Occupational Health | 3 |
| DRH 515 | Demography, Reproductive Health and Nutrition | 3 |
| PSD 511 | Advanced Concept of Public Health (Practical) | 1 |
| PSD 512 | Advanced Concept of Epidemiology (Practical) | 1 |
| PSD 513 | Advanced Public Health Statistics (Practical) | 1 |
| PSD 514 | Environmental and Occupational Health (Practical) | 1 |
| PSD 515 | Demography, Reproductive Health and Nutrition (Practical) | 1 |
| | Total | **20** |

**Semester II**

| Code | Subject | Credit Hrs |
|---|---|---|
| EPI 521 | Epidemiology of Diseases and Health Problems | 3 |
| HPE 522 | Public Health and Behavioral Sciences | 3 |
| HPE 523 | Health Promotion and Education | 3 |
| PHR 524 | Advanced Public Health Research | 3 |
| HSM 525 | Public Health Service Management | 3 |
| PSD 521 | Epidemiology of Diseases and Health Problems (Practical) | 1 |
| PSD 522 | Public Health and Behavioral Sciences (Practical) | 1 |
| PSD 523 | Health Promotion and Education (Practical) | 1 |
| PSD 524 | Advanced Public Health Research (Practical) | 1 |
| PSD 525 | Public Health Service Management (Practical) | 1 |
| | **Total** | **20** |

**Semester III (Public Health Service Management)**

| Code | Subject | Credit Hrs |
|---|---|---|
| HSM 611 | Theories of Public Health Service Management | 3 |
| HSM 612 | Health Project Management | 3 |
| HSM 613 | Health Financing and Economics | 3 |
| HSM 614 | Development and Management of Human Resource in Health | 3 |
| HSM 615 | Analysis of Health Service Management in Nepal | 3 |
| PSD 611 | Theories of Public Health Service Management (Practical) | 1 |
| PSD 612 | Health Project Management (Practical) | 1 |
| PSD 613 | Health Financing and Economics (Practical) | 1 |
| PSD 614 | Development and Management of Human Resource in Health (Practical) | 1 |
| PSD 615 | Analysis of Health Service Management in Nepal (Practical) | 1 |
| | **Total** | **20** |

### Semester III (Health Promotion and Education)

| Code | Subject | Credit Hrs |
|---|---|---|
| HPE 611 | Theories and Principle of Health Behavior, Promotion, Education and Communication | 3 |
| HPE 612 | Applied Health Promotion | 3 |
| HPE 613 | Applied Health Education | 3 |
| HPE 614 | Applied Health Communication | 3 |
| HPE 615 | Analysis of Health Promotion, Education and Communication Management in Nepal | 3 |
| PSD 621 | Theories and Principle of Health Behavior, Promotion, Education and Communication (Practical) | 1 |
| PSD 622 | Applied Health Promotion (Practical) | 1 |
| PSD 623 | Applied Health Education (Practical) | 1 |
| PSD 624 | Applied Health Communication (Practical) | 1 |
| PSD 625 | Analysis of Health Promotion, Education and Communication in Nepal (Practical) | 1 |
| | Total | **20** |

### Semester IV (Public Health Service Management)

| Code | Subject | Credit Hrs |
|---|---|---|
| HSM 621 | Seminar and Practicum | 3 (1+2) |
| HSM 622 | Health Management Research Methods | 3 |
| HSM 691 | Thesis on Health Service Management | 9 |
| | Total | **15** |

### Semester IV (Health Promotion and Education)

| Code | Subject | Credit Hrs |
|---|---|---|
| HPE 621 | Seminar and Practicum | 3 (1+2) |
| HPE 622 | Health Promotion and Education Research Methods | 3 |
| HPE 691 | Thesis on Health Promotion and Education | 9 |
| | Total | **15** |

## 2. Bachelor of Public Heath (4 years)

### Semester I

| Code | Subject | Credit Hrs |
|---|---|---|
| PHS 111 | Introduction to Public Health I | 3 |
| BHS 111 | Anatomy and Physiology | 3 |
| PHA 111 | Anatomy and Physiology Lab (Lab/Practical) | 1 |
| BHS 112 | Biochemistry | 3 |
| PHA 112 | Biochemistry Lab (Lab/Practical) | 1 |
| BHS 113 | Microbiology and Immunology | 3 |
| PHA 113 | Microbiology and Immunology Lab (Lab/Practical) | 1 |
| PHA 121 | Professional English | 3 |
| PHA 114 | Professional English Practical (Practical) | 1 |
| | **Total** | **19** |

### Semester II

| Code | Subject | Credit Hrs |
|---|---|---|
| BHS 151 | Environmental Science | 3 |
| PHA 151 | Environmental Science Lab (Lab/Practical) | 1 |
| BHS 152 | First Aid | 3 |
| PHA 152 | First Aid Lab (Lab/Practical) | 1 |
| BHS 153 | Nutritional Science | 3 |
| PHA 153 | Nutritional Science Lab (Lab/Practical) | 1 |
| BHS 154 | Parasitology and Entomology | 3 |
| PHA 154 | Parasitology and Entomology Lab (Lab/Practical) | 1 |
| BHS 155 | Pharmacy, Pharmacology and Toxicology | 3 |
| PHA 155 | Pharmacy, Pharmacology and Toxicology Lab (Lab/Practical) | 1 |
| | **Total** | **20** |

## Semester III

| Code | Subject | Credit Hrs |
|---|---|---|
| PHS 211 | Communicable Diseases | 3 |
| PHS 212 | Environmental Health | 3 |
| PHS 213 | Non-communicable Diseases | 3 |
| PHS 214 | Public Health Nutrition | 3 |
| PHS 215 | Reproductive Health and Demography | 3 |
| PHA 211 | Integrated Concurrent Field Practice I (Practical) | 5 |
| | **Total** | **20** |

## Semester IV

| Code | Subject | Credit Hrs |
|---|---|---|
| PHT 251 | Basic Epidemiology | 3 |
| PHS 251 | Introduction to Public Health II | 3 |
| PHS 252 | Maternal, Child and Elderly Health | 3 |
| PHS 253 | Occupational Health and Safety | 3 |
| PHT 252 | Public Health Behavior and Anthropology | 3 |
| PHA 251 | Integrated Concurrent Field Practice II (Practical) | 5 |
| | **Total** | **20** |

## Semester V

| Code | Subject | Credit Hrs |
|---|---|---|
| PHM 311 | Basic Public Health Management | 3 |
| PHT 311 | Epidemiological Methods and Management | 3 |
| PHI 311 | Health Promotion and Education | 3 |
| PHT 312 | Public Health Sociology and Social Psychology | 3 |
| PHT 313 | Public Health Statistics-I | 3 |
| PHA 311 | Integrated Concurrent Field Practice III (Practical) | 5 |
| | **Total** | **20** |

## Semester VI

| Code | Subject | Credit Hrs |
|---|---|---|
| PHI 351 | Community Health Diagnosis and Program Implementation Strategies | 3 |
| PHI 352 | Health Education Communication | 3 |
| PHM 351 | Health System Management in Nepal-I | 3 |
| PHM 352 | Health Finance and Health Economics Including Entrepreneurship | |
| PHT 352 | Public Health Statistics-II | 3 |
| PHA 351 | Residential Field Practice (Community Health Diagnosis) (Practical) | 3 |
| | **Total** | **18** |

## Semester VII

| Code | Subject | Credit Hrs |
|---|---|---|
| PHM 411 | Human Resource for Health Development | 3 |
| PHT 413 | Health Research Methodology and Software Applications | 3 |
| PHM 413 | Health Monitoring and Evaluation | 3 |
| PHM 414 | Health System Management in Nepal-II | 3 |
| PHA 411 | Residential Field Practice (Comprehensive District Health Management) (Practical) | 3 |
| | **Total** | **15** |

## Semester VIII

| Code | Subject | Credit Hrs |
|---|---|---|
| PHM 451 | Disaster Management | 3 |
| PHI 451 | Public Health Law and Acts | 3 |
| PHA 451 | Journal Club/Health Seminar (Lab/Practical) | 1 |
| PHT 451 | Public Health Dissertation (Lab/Practical) | 6 |
| | **Total** | **13** |
| | **Grand Total** | **145** |

# Bachelor of Science in Nursing: ( B.Sc. Nursing)

On behalf of all Nursing faculty, staff and students, welcome to the B.Sc. Nursing programme at school of Health and Allied Sciences, Pokhara University. As a program coordinator, I am extremely happy for providing knowledge and skill to nursing students to transform their attitude. Our programs prepare our students to become qualified nursing practitioner, educator, leader and researcher with the moral depth and intellectual intensity to meet the demand of nursing professionals within the country and globally. The programme includes the theoretical and practical course work for developing essential knowledge and clinical competency in practical nursing of various areas. Nursing is a nobel, highly challenging and one of the most respected professions in Nepal and in abroad. A professionally qualified nurse is in great demand all over the world. So I strongly recommend you to join this professional program for your better future.

**Nirmala Neupane**
*Program Coordinator*
*B.Sc. Nursing*
nirmalaneupane09@gmail.com

Nursing is the profession which is working for the best possible care of community. It is the profession within the health sector focused on the individuals, families, and communities so they may attain, maintain, or recover optimal health and quality of life. Nurses care in holistic manner based on the individuals physical, emotional, psychological, intellectual, social and spiritual needs.

Nursing is the most in demand profession. The Bachelor of Science in nursing is designed to prepare competent graduate nurses who will be working in multidisciplinary teams. The generic basic BSC in nursing aims to produce graduate nurses who are equipped with academic and practical skills and competent to provide quality care from primary, Secondary and tertiary level of health care system for the people of Nepal and globally. It also prepare nurses for independent judgment and decision making in leadership positions

## Admission Requirements

The entry requirement for generic basic B.Sc Nursing will be

1. The entry requirement for a new student in B.Sc. Nursing will be intermediate in Science (I. Sc.) or Higher Secondary Level (10+2 Science streams) as recognized by the Pokhara University with at least 50% marks or in Grading Minimum 2.4 GPA in aggregate; Minimum "C+" Grade in Physics, Chemistry and Biology & Minimum "C" grade in other subjects.
2. The candidate must appear in the entrance examination and secure at least 50% marks from the entrance examination.
3. The date and time for entrance examination will be announced by Pokhara University

## Career Opportunity after completion of B.Sc. Nursing

There is a growing scope of nursing profession for improvement of health status from all sectors throughout the world. Provision of equitable access to health care for attainment of an acceptable level of health and better quality in life of the people by creating more balanced distribution of resources is the dominant concern of Nepal, today. Nepal is facing four fold burdens of diseases (communicable, lifestyle related, conflict and poverty). In order to cope with this complex situation, development of competent nursing graduates has become an urge.

In general, nursing graduates can choose following area to build the career:

1. General nursing practice
2. Medical surgical nursing
3. Pediatric nursing
4. Community health nursing
5. Psychiatric nursing
6. Gerontology nursing
7. School health nursing
8. Industrial nursing
9. Obstetrical and Gynecological nursing
10. Advanced Nurse Practitioner

## Course Offered

**First Year**

| Code | Subject | Total hrs | Equivalent Credit Hours | Marks |
|---|---|---|---|---|
| BSN 111 | Anatomy and Physiology (T) | 100 | 6 | 100 |
| BSN 112 | Microbiology & Immunology (T) | 50 | 3 | 50 |
| BSN 113 | Biochemistry (T) | 50 | 3 | 50 |
| BSN 114 | Pharmacology (T) | 50 | 3 | 50 |
| BSN 115 | Pathophysiology (T) | 50 | 3 | 50 |
| BSN 151 | Integrated Basic Science (P) | 135 | 3 | 120 |
| BSN 116 | Foundation of Nursing (T) | 150 | 9 | 100 |
| BSN 156 | Foundation of Nursing (P) | 600 | 20 | 200 |
| BSN 117 | Nutrition & Dietetics (T) | 50 | 3 | 50 |
| BSN 118 | Community Health Nursing I (T) | 75 | 5 | 100 |
| BSN 158 | Community Health Nursing I (P) | 180 | 4 | 100 |
| | **Total** | **1490** | **62** | **970** |

Integrated basic science practicum includes the pharmacology, biochemistry, microbiology anatomy & physiology, pathophysiology 135 hours (P)

### Second Year

| Code | Subject | Total Hrs | Equivalent Credit Hrs | Marks |
|---|---|---|---|---|
| BSN 211 | Community Health Nursing II (T) | 100 | 6 | 100 |
| BSN 251 | Community Health Nursing II (P) | 210 | 5 | 100 |
| BSN 212 | Basic Epidemiology | 50 | 3 | 50 |
| BSN 213 | Medical Surgical Nursing I (T) | 100 | 6 | 100 |
| BSN 214 | Medical Surgical Nursing II (T) | 100 | 6 | 100 |
| BSN 215 | Geriatric Nursing (T) | 50 | 3 | 50 |
| BSN 252 | Medical Surgical & Geriatric Nursing (P) | 660 | 22 | 200 |
| BSN 216 | Nursing Concepts and Theories (T) | 100 | 6 | 100 |
| BSN 217 | Social & Behavioral Science (T) | 50 | 3 | 50 |
| | **Total** | **1420** | **60** | **850** |

### Third Year

| Code | Subject | Total Hrs | Equivalent Credit Hrs | Marks |
|---|---|---|---|---|
| BSN 311 | Midwifery I (T) | 100 | 6 | 100 |
| BSN 312 | Midwifery II (T) | 100 | 6 | 100 |
| BSN 313 | Midwifery III (T) | 100 | 6 | 100 |
| BSN 351 | Midwifery I, II & III (P) | 600 | 20 | 200 |
| BSN 314 | Pediatric Nursing (T) | 100 | 6 | 100 |
| BSN 352 | Pediatric Nursing (P) | 210 | 7 | 100 |
| BSN 315 | Mental Health Nursing (T) | 75 | 5 | 100 |
| BSN 353 | Mental Health Nursing (P) | 120 | 4 | 50 |
| BSN 316 | Gynecological Nursing (T) | 50 | 3 | 50 |
| BSN 354 | Gynecological Nursing (P) | 120 | 4 | 50 |
| | **Total** | **1575** | **67** | **950** |

### Fourth Year

| Code | Subject | Total Hrs | Equivalent Credit Hrs | Marks |
|---|---|---|---|---|
| BSN 411 | Leadership & Management (T) | 100 | 6 | 100 |
| BSN 412 | Health Economics in Nursing (T) | 50 | 3 | 50 |
| BSN 451 | Leadership & Management (P) | 360 | 12 | 100 |
| BSN 413 | Educational Science (T) | 100 | 6 | 100 |
| BSN 453 | Educational Science (P) | 240 | 5 | 100 |
| BSN 414 | Nursing Research (T) | 100 | 6 | 100 |
| BSN 415 | Nursing Research (P/ Thesis) | 400 | 9 | 100 |
| BSN 416 | Biostatistics (T) | 50 | 3 | 50 |
| | **Total** | **1400** | **50** | **700** |



# Bachelor of Physiotherapy (BPT) Program

**Bijaya Subedi**
*Program Coordinator*
*BPT Program*
E-mail: bijsub12@gmail.com

It is the matter of big-headedness to put the foreword as a coordinator of Bachelor of Physiotherapy (BPT) program being run under School of Health & Allied Sciences, Pokhara University. We are the second institute in the country to run BPT. With the untiring efforts & consistent dedication of the team, BPT has sprouted in 2018 AD (Fall- 2018) for the purpose of producing academically sound with technically skilled physiotherapist in Nepal. Someone has rightly said that "Physicians add years to life; Physiotherapists add life to year", so I believe that our graduate will put efforts to beautify the quality of life of people. Our graduates can enroll as post-graduate scholar in myriad of specialization and then can serve in academia (University, College) & super-specialized Health Centre round the globe. So I strongly recommend to join this professional program for self-satisfaction & prosperous life ahead.

Understanding the real time scenario of high demand of physiotherapist in Nepal, we have put effort to establish the program of Bachelor of Physiotherapy (BPT) in the University, which is the second institute in the nation running BPT program. BPT is a four and half year's program structured in nine semesters. A student needs to complete 167 credit hours inclusive of course work, lab work, practical, seminar, research project and clinical education work along with six months rotatory compulsory internship for graduation. Besides lectures, the classes are facilitated by seminar, group discussions, project assignments, field visits, case presentation, class presentations and other teaching methods.

The aim of BPT program is to produce competent graduates with the ability to critically analyze, make decision, solve problem, provide sound clinical reasoning and deliver evidence-based physiotherapy services.

This program is designed to achieve the following objectives:

- To assess, interpret, analyse, plan and practice physiotherapy in a patient cantered approach for effective patient treatment.
- To provide in depth knowledge of physiotherapy, biomedical and psychosocial sciences that underpin physiotherapy practice.
- To produce competent and autonomous physiotherapy practitioner
- To increase the effectiveness of health and social care delivery.
- To apply evidence-based treatment as the basis for effective physiotherapy practice
- To contribute to scientific literature relevant to Nepal through research and publications.

## Admission Requirements

To be eligible for selection to the Bachelor of Physiotherapy program,

a candidate must have successfully completed 10+2 years of education or Intermediate in Science (I. Sc.) or equivalent (with Biology, Chemistry, and Physics as main subjects) as recognized by Pokhara University with:

- At least 50% marks in each of the subject mentioned above and 50% marks in aggregate.

Or

- GPA 2.4 (out of 4.0) in aggregate with minimum C+ grade in Biology, Chemistry, and Physics; and minimum C grade in other subjects.

OR

A candidate must have Certificate level of Physiotherapy recognized by the Pokhara University/CTEVT and registered in Nepal Health Professional Council. The candidate must have secured at least 50% marks in each of the subject and 50% marks in aggregate.

Besides the basic academic requirement, an entrance examination will be held for all applicants.

## CAREER OPPORTUNITIES

Physiotherapists can choose following areas to build their career.

- Academia (Education and Research)
- Community settings (Community based Rehabilitation Center)
- Hospitals (different specialties musculoskeletal, neurology, cardiopulmonary, women's health, geriatrics and pediatrics)
- Clinics
- Sports and fitness centers
- Geriatric centers
- Mental health institution
- Commercialized football clubs
- Industrial settings

# Bachelor of Physiotherapy Curriculum Structure

| Semester I | | | |
|---|---|---|---|
| S.N. | Code | Subject | Credit Hrs |
| 1 | BPT 101 | Anatomy I (Basic Concepts and Upper Extremity) | 3 |
| 2 | BPT 102 | Anatomy II (Lower Extremity and Pelvis) | 2 |
| 3 | BPT 103 | Physiology I (Basic Concepts, Haemopoietic and Musculoskeletal) | 2 |
| 4 | BPT 104 | Biochemistry | 3 |
| 5 | BPT 105 | Microbiology and Clinical Immunology | 2 |
| 6 | BPT 106 | Introduction to Physiotherapy (Including Ethics) | 3 |
| 7 | BPT 141 | Laboratory 1(Anatomy I, II and Physiology I) | 1 |
| 8 | BPT 142 | Practical 1 (Introduction to Physiotherapy) | 1 |
| | | **Total** | **17** |

| Semester II | | | |
|---|---|---|---|
| 1 | BPT 151 | Anatomy III (Thorax, Abdomen, Endocrine, Reproductive) | 3 |
| 2 | BPT 152 | Physiology II (Thorax, Abdomen, Endocrine, Reproductive) | 3 |
| 3 | BPT 153 | Biomechanics I (Basic Concepts, Upper Extremity, Thorax) | 2 |
| 4 | BPT 154 | Pathology | 3 |
| 5 | BPT 155 | Pharmacology | 3 |
| 6 | BPT 156 | Behavioral Sciences (Sociology & Psychology) | 3 |
| 7 | BPT 191 | Laboratory 2 (Anatomy (III) and Physiology II) | 1 |
| 8 | BPT 192 | Practical 2 (Biomechanics I) | 1 |
| 9 | BPT 193 | Practical 3 (Emergency Handling and First Aid) | 1 |
| | | **Total** | **20** |

| Semester III | | | |
|---|---|---|---|
| 1 | BPT 201 | Anatomy IV (Neuroanatomy, Head and Neck, With Spine) | 3 |
| 2 | BPT 202 | Physiology III (Neurophysiology and Special Senses) | 2 |
| 3 | BPT 203 | Biomechanics II (Lower Extremity, Spine, and TMJ) | 2 |
| 5 | BPT 204 | Exercise Physiology and Exercise Prescription | 2 |
| 6 | BPT 241 | Laboratory 3 (Anatomy IV & Physiology III) | 1 |
| 7 | BPT 242 | Practical 4 (Biomechanics II) | 1 |
| 8 | BPT 243 | Practical 5 (Assessment Skills and Exercise Therapy I: Extremities) | 3 |
| 9 | BPT 244 | Practical 6 (Exercise Physiology and Exercise Prescription) | 1 |
| | | **Total** | **15** |

| Semester IV | | | |
|---|---|---|---|
| 1 | BPT 251 | Biostatistics and Introduction to Scientific Evidence | 3 |
| 2 | BPT 252 | Health Promotion and Community Medicine | 2 |
| 3 | BPT 253 | Electrotherapy (Including Pain Management) | 3 |
| 5 | BPT 291 | Practical 7 (Introduction to Scientific Evidence and Health Promotion) | 1 |
| 4 | BPT 292 | Practical 8 (Assessment Skills and Exercise Therapy II: Spine, Pelvis and TMJ) | 3 |
| 6 | BPT 293 | Practical 9 (Electrotherapy Including Pain Management) | 1 |
| 8 | BPT 294 | Clinical Education 1 | 2 |
| | | **Total** | **15** |

| Semester V | | | |
|---|---|---|---|
| 1 | BPT 301 | Clinical Orthopedics and Traumatology | 2 |
| 2 | BPT 302 | Clinical Neurology and Neurosurgery | 2 |
| 3 | BPT 303 | Basic Musculoskeletal Physiotherapy | 2 |
| 4 | BPT 304 | Basic Neurological Physiotherapy | 2 |
| 5 | BPT 305 | Application of Assistive and Adaptive Devices | 2 |
| 6 | BPT 306 | Evidence based practice and clinical decision making | 3 |
| 7 | BPT 341 | Practical 10 (Basic Musculoskeletal Physiotherapy) | 1 |
| 8 | BPT 342 | Practical 11 (Basic Neurological Physiotherapy) | 1 |
| 9 | BPT 343 | Clinical Education 2 (Application of Assistive and Adaptive Devices) | 1 |
| 10 | BPT 344 | Clinical Education 3 (Musculoskeletal and Neurological Physiotherapy) | 6 |
| | | **Total** | **22** |

| Semester VI | | | |
|---|---|---|---|
| 1 | BPT 351 | Clinical Medicine and Surgery | 3 |
| 2 | BPT 352 | Basic Physiotherapy in Cardiopulmonary and Internal Disorders | 2 |
| 3 | BPT 353 | Physiotherapy in Pediatrics | 3 |
| 4 | BPT 354 | Physiotherapy in Mental Health and Alternative Medicine | 2 |
| 5 | BPT 391 | Practical 12 (Basic Physiotherapy in Cardiopulmonary and Internal Disorders) | 1 |
| 6 | BPT 392 | Practical 13 (Physiotherapy in Pediatrics) | 1 |
| 7 | BPT 393 | Clinical Education 4 (Physiotherapy in Cardiopulmonary and Internal Disorders, Physiotherapy in Pediatrics) | 6 |
| | | **Total** | **18** |
| **Semester VII** | | | |
| 1 | BPT 401 | Advanced Musculoskeletal Physiotherapy | 2 |
| 2 | BPT 402 | Sports Medicine and Physiotherapy | 2 |
| 3 | BPT 403 | Advanced Neurological Physiotherapy | 3 |
| 4 | BPT 404 | Hospital Management and Entrepreneurship | 2 |
| 5 | BPT 405 | Research Methodology | 2 |
| 6 | BPT 441 | Practical 14 (Advanced musculoskeletal Physiotherapy and Sports Medicine and Physiotherapy) | 2 |
| 7 | BPT 442 | Practical 15 (Advanced Neurological Physiotherapy) | 1 |
| 8 | BPT 443 | Research project (Protocol Presentation) | 1 |
| 9 | BPT 444 | Clinical education 5 (Musculoskeletal, Neurological, sports medicine and physiotherapy) | 8 |
| | | **Total** | **23** |

| Semester VIII | | | |
|---|---|---|---|
| 1 | BPT 451 | Advanced Cardiopulmonary Physiotherapy and Internal Disorders | 2 |
| 2 | BPT 452 | Community Physiotherapy, Disability and Disaster Management | 2 |
| 3 | BPT 453 | Physiotherapy in Women's Health and Palliative Care | 2 |
| 4 | BPT 454 | Geriatric and Industrial Physiotherapy | 2 |
| 5 | BPT 491 | Practical 16 (Advanced Cardiopulmonary Physiotherapy and Internal Disorders) | 1 |
| 6 | BPT 492 | Practical 17 (Community Physiotherapy, Disability and Disaster Management) | 1 |
| 7 | BPT 493 | Practical 18 (Physiotherapy in Women's Health and Palliative Care, Geriatric and Industrial Physiotherapy) | 1 |
| 8 | BPT 494 | Clinical Education 6 (Cardiopulmonary Physiotherapy Women's Health, Community Physiotherapy) | 9 |
| | | **Total** | **20** |

| Semester IX | | | |
|---|---|---|---|
| 1 | BPT 496 | Internship (Six-month Rotatory Internship) | 12 |
| 2 | BPT 497 | Research Project (Thesis and Defense) | 5 |
| | | **Total Credits** | **167** |

# Internal Examination

**Anil Giri**
*Internal Examination Coordinator*
E-mail: ansuanil@pu.edu.np

School of Health and Allied Sciences follows the semester system for its all programs except B.Sc. Nursing. The school adopts the practice of continuous evaluation of student's performance. The assigned subject instructor of theory, practical or any other course is responsible for the internal evaluation of the students and the Examination Cell conducts the two internal examinations.

The school follows the prescribed format of University as the instruction of medium except stated otherwise. A student's performance in a course is evaluated in two phases from the school; internally by the concerned faculty member through quizzes, tutorials, lab works, home assignments, class tests, class participation, term papers etc. For the annual program (BSc Nursing) examination cell conducts three consecutive internal exams before the final exam taken by the Office of the Controller of the Examinations, Pokhara University. The final marks awarded to the student in a course are based on his/her consolidated performance in both internal evaluations. The weight given to internal evaluation is 50% for undergraduate programs, and 60% for the graduate programs.

The Examination Cell publishes the first and second internal result for the effective evaluation of the individual student. The cell follows the academic calendar prescribed by the school and also keep the record of all the internal evaluation activities.

## Quality Assurance and Accreditation (QAA) SHAS

The School of Health and Allied Sciences has initiated and is in the process of achieving Quality Assurance and Accreditation (QAA) issued by UGC - Nepal. For this purpose, School has formed a 3-membered committee "Internal Quality Assurance Committee (IQAC)" under the co-ordinatorship of the School Director Dr. Damaru Prasad Paneru. The committee has been working on the QAA system of its institution.

The IQAC has formed a 5-membered "Self-Assessment Team (SAT)" to prepare, update and submit Self Study Report (SSR) to the QAA Division of UGC. The SAT team includes Mr. Nim DC as a coordinator, Mr. Bijay Subedi, Mrs. Sunita Sharma, Mr. Bhupendra Sharma and Mrs. Sharada Banstola as members. The team has been updating SSR and annexes as per the recommendation of pre visit of Peer Review Team (PRT) of UGC by forming different sub committees. Similarly, the team has been writing the response report to PRT and scheduling to call for final visit by UGC for the accreditation.

Nim Bahadur Dangi
SAT Coordinator


## Fee structure for different programs and scholarships (last revised 2016 A.D)

| Program | First installment (NRs) | Total (NRs) |
|---|---|---|
| Master of Pharmaceutical Sciences (M. Pharm.) | 115,750 | 316,000 |
| Master of Public Health (MPH) | 163,500 | 468,000 |
| M.Sc. in Medical Microbiology/ Medical Biochemistry | 238,500 | 746000 |
| Bachelor of Pharmaceutical Sciences (B. Pharm) | 83,925 | 458,425 |
| Bachelor of Science in Medical Laboratory Technology (BSc.MLT) | 96,125 | 545,500 |
| Bachelor of Public Health (BPH) | 78,250 | 412,500 |
| Bachelor of Science in Nursing (BSc.N) | 227,425 | 812,175 |
| Bachelor of Physiotherapy | 176,000 | 1,000,000 |

**Security deposit (refundable) NRs 10,000*

Sponsored and International students should contact the International Relationship Office or the Information Office.

***Note:***
***Sponsored students should pay 1.5 times, SAARC-country students should pay 2 times and students other than SAARC countries should pay 3 times of the fees stated.***

Pokhara University provides full scholarship for 20% students of total enrolment at the School of Health and Allied Sciences. The objective of this scheme is to promote accessibility to the higher education for underprivileged group in the society. The applicant for this scheme must have SLC/SEE from the Government schools within last 2 years and the entrance examination for the scholarship is held by the Pokhara University Central Office itself.

Besides this scheme Faculty of Health Sciences offers a meritorious scholarship in each semester for the semester topper students.

## *Summary of academic Requirement for Paying and Scholarship Quota*

| Program | Minimum Requirement | |
|---|---|---|
| | **For Grade System 11 and 12 Separately** | **10+2 or Diploma (% system)** |
| Bachelor of Pharmaceutical Sciences | Minimum 2.4 GPA in aggregate<br>Minimum "C+" Grade in Physics, Chemistry and Biology/Mathematics<br>Minimum "C" grade in other subject | 50% |
| Bachelor of Science in Nursing, B.Sc. MLT; BPH; BSc. Medical Biochemistry; BSc. Medical Microbiology | Minimum 2.4 GPA in aggregate;<br>Minimum "C+" Grade in Physics, Chemistry and Biology &<br>Minimum "C" grade in other subjects | 50% |
| Bachelor of Physiotherapy | GPA 2.4 (out of 4.0) in aggregate with minimum C+ grade in Biology, Chemistry, and Physics; and minimum C grade in other subjects. | At least 50% marks in each of the subject mentioned above and 50% marks in aggregate. |
| Bachelor of Nursing Science (Oncology) | | PCL nursing (50%) |
| Master in Pharmaceutical Sciences (Natural Products Chemistry, Clinical Pharmacy) | Minimum 2.5 cGPA out of 4.00 grade Scale in Bachelor degree (B.Pharm.) from the institution/university recognized by Pokhara University | 55% |
| Master of Public Health Program | Minimum CGPA of 2.0 in BPH or equivalent degree and at least one year working experience after completion of bachelor's degree, in health related sector. | 45% |
| M.Sc. in Medical Biochemistry | B. Sc. MLT, BMLT, B. Sc. Medical Biochemistry, BDS, and MBBS with at least GPA 2.5 (out of 4.0) | 55% |
| M.Sc. in Medical Microbiology | B. Sc. MLT, BMLT, B. Sc. Medical Microbiology, BDS, and MBBS with at least GPA 2.5 (out of 4.0) | 55% |

# Faculty Members/Administrative Staffs of SHAS

## Faculty Members

### Professors

1. Bishnu Raj Tiwari, Ph.D. (Microbiology)
2. Arun Kumar Koirala, Ph.D. (Public Health)

### Associate Professors

1. Nirmala Jamarkattel-Pandit, Ph.D. (Herbology)
2. Gulam Muhammad Khan, M.Pharm (Pharmaceutical Care)
3. Damaru Prasad Paneru, Ph.D. (Public Health)
4. Tulsiram Bhandari, Ph.D. (Public Health)
5. Dipendra Kumar Yadav, Ph.D. (Public Health)
6. Amar Nagila, Ph.D. ( Medical Biochemistry)

### Assistant Professors

1. Niranjan Shrestha, Ph.D. (Statistics)
2. Namraj Dhami, Ph.D. ( Cell and Molecular Biology)
3. Kalpana Parajuli (Baral), M.Pharm (Natural Products Chemistry)
4. Khem Raj Joshi, Ph.D. (Pharmaceutical Sciences)
5. Sushil Panta, Ph.D. (Medical Science)
6. Niraj Chaudhary, Ph.D.( Clinical Pharmacy)
7. Umesh Prasad Gupta, (Ph.D. Scholar-India)
8. Komal Prasad Malla, (Ph.D. Scholar-India)
9. Hari Prasad Kafle, (Ph.D. Scholar-India)
10. Tara Bahadur K.C, Ph.D. ( Pharmaceutical Science)
11. Jay Prakash Shah, Ph.D. (Biochemistry)
12. Raju Pandey, M.Phil. (Clinical Chemistry)
13. Sushil Adhikari, (Ph.D. Scholar-Nepal)
14. Parbati Thapa, M.Pharm (Pharmaceutical Care)
15. Suresh Jaiswal, M.Sc. (Microbiology)
16. Sudershan Subedi, (Ph.D. Scholar-Australia)
17. Dhaka Raj Panta, M.Sc.MLT. (Microbiology)
18. Chiranjivi Adhikari, MPH
19. Bishnu Prasad Neupane, (Ph.D. Scholar-USA)
20. Rojana Dhakal, M.Sc. ( Obstetric and Gynecological Nursing)
21. Nirmala Neupane, M.Sc.(Obstetric and Gynecological Nursing)
22. Shila Gurung, Ph.D (Pharmaceutical Technology and Biopharmacy)
23. Atisammodavardhana Kaundinnayana, M.Pharm (Natural Products Chemistry)
24. Jenny Ojha, M.Sc. ( Psychiatric Nursing)
25. Bijay Subedi, M.Sc. (Medical Physiology)
26. Ganesh Dhakal, M.Sc. (Medical Biochemistry)
27. Puspha Paudel, M.Sc. ( Community Health Nursing)
28. Juli Bajracharya, MN (Woman Health and Development)
29. Aditi Gurung, M.Sc. ( Child health Nursing)
30. Pooja Bhandari, M.Sc. (Obstetric and Gynecological Nursing)
31. Bipin Chapagain, M.Sc. (Medical Microbiology)
32. Nand Ram Gahatraj, MPH
33. Bimala Bhatta, MPH
34. Santosh Kumar Gupta, M.Sc.MLT (Microbiology and Immunology)
35. Sunita Sharma, MN (Adult Health Nursing)
36. Anil Giri, M.Pharm (Pharmaceutical Technology), MPH (Epidemiology)
37. Shreejana Wagle, MPH
38. Nim Bahadur Dangi, M.Pharm (Pharmacology)
39. Rashmi Thapa, M.Pharm (Natural Products Chemistry)
40. Sumun Lata Bhandari, M.Sc. ( Adult Health Nursing)
41. Prabha Karki, M.Sc. (Psychiatric Nursing)
42. Shalik Ram Adhikary, M.Sc. (Medical Anatomy)
43. Ramesh Gyawali, MPT (Neurology)
44. Deepak Joshi, MPT (Neurology)
45. Arati Timilsina, MN ( Adult Health Nursing)
46. Shova Parajuli, MN (Adult Health Nursing)
47. Jaya Koirala, M.Sc. ( Community Health Nursing)
48. Sabina Lamichhane, M.Sc. ( Child Health Nursing)
49. Sandip Pahari, MPH
50. Shradha Uppadhaya, M.Sc. (Maternal Health Nursing)
51. Urmila Baral, M.Sc. (Maternal Health Nursing)

### Instructor

1. Bhupendra Sharma, B.Sc. MLT

### Non Teaching Staffs of SHAS

1. Hom Bahadur Thapa Magar, Deputy Administrator (Lab)
2. Pramesh Paudel, Deputy Administrator (Account)
3. Sharada Banstola, Assistant Administrator
4. Durga Bahadur B.K., Assistant Administrator (Lab)
5. Baburam Aryal, Assistant Administrator (Store)
6. Anjana Bhattarai, Head Assistant
7. Chandrakanta Yadav, Head Assistant (Lab)
8. Sirjhana Tiwari, Head Assistant
9. Bhumika Tripathi, Head Assistant (Account)
10. Milan Bhujel, Assistant (Account)
11. Santosh Gurung, Assistant
12. Bhimika Basti, Assistant (Health)
13. Sabina Gaire, Assistant (Lab)
14. Sharmila Balkuti, Assistant (Lab)
15. Prakash Paudel, Assistant (Lab)
16. Paribesh Ojha, Driver
17. Ganesh Bahadur Gurung, Security guard
18. Jeev Nath Fhuyal, Office Assistant
19. Basanta Prasad Sapkota, Office Assitant
20. Ramila Sapkota, Gardener
21. Sita Devi Bastakoti, Cleaner
22. Mohan Bdr. Bimali, Security guard
23. Kalyan Raj Subedi, Ancillary Staff
24. Rekha Paudel (Adhiakri), Ancillary Staff
25. Ohm Maya Gautam, Ancillary Staff
26. Sita Banstola, Ancillary Staff
27. Laxmi Nepali, Ancillary Staff
28. Chandreshwor Subedi, Security guard
29. Amar Khadka, Security guard
30. Ramji Nepali, Ancillary Staff

# Conferral of Degree

Upon recommendation to the Senate of the Academic Council by the faculty of the Health Sciences, School of Health and Allied Sciences graduate and Undergraduate degrees are awarded every year. All diplomas, however, are prepared and distributed after degree conferral in accordance to the distribution dates listed on the Registrar's Office.

Students must apply for conferral of an undergraduate or graduate degree by filing an Application to Graduate through Axis's by the deadline for each term. The deadlines are published in the Academic Calendar www.pu.edu.np and www.pushas.edu.np Requests for conferral are reviewed by the Office of the University Registrar and the Office of the Controller of Examination, to verify completion of degree requirements. Registration is required in the conferral term.

Students with unmet financial or other University obligations resulting in the placement of a hold on their registration cannot receive a transcript, statement of completion, degree certificate, or diploma until the hold is released. An academic record where no other degree objective is being pursued is permanently frozen after the final degree conferral, and all subsequent grade change requests or changes to the student record are not permitted.

**Grading System**
The following grade point system shall be
**Followed:**

| Grade | Honor | Points |
|---|---|---|
| A | 4.0 | Excellent |
| A- | 3.7 | |
| B+ | 3.3 | |
| B | 3.0 | |
| B- | 2.7 | |
| C+ | 2.3 | |
| C | 2.0 | Fair |
| C- | 1.7 | |
| D+ | 1.3 | |
| D | 1.0 | Satisfactory Minimum Requirement for Credits |
| F | 0.0 | Failing |

Students are typically expected to apply to graduate during the term in which they expect to be awarded a degree. The University, however, reserves the right to confer a degree on a student who has completed all of the requirements for a degree even though the student has not applied to graduate; such an individual would then be subject to the University's usual rules and restrictions regarding future enrollment or registration.

Students who wish to withdraw a request for conferral or make changes to the Application to Graduate should notify the Office of the Controller of Examination in writing through the Withdrawal of Application to Graduate Form by the late application to graduate deadline on the academic calendar. Students who withdraw their graduation applications or fail to meet degree requirements must reapply to graduate in a subsequent term. Pokhara University awards no honorary degrees.


**A student's academic degree program may be discontinued if the student:**

- fails to be enrolled by the study list deadline; or
- fails to be approved for a leave of absence by the start of the term; or
- voluntarily terminates undergraduate studies; or
- is dismissed for academic reasons; or
- is expelled from the University.

# Alumni **view**

Bijay Subedi
Secretory, Ad-hoc committee for "Alumni Association-SHAS, PU"
Current Status: Assistant Professor, Pokhara University

It's the matter of pride to drop few words regarding the formal institutionalization of Ad-hoc committee for "Alumni Association-SHAS, PU" initiated by School Director, constituting a school's largest and most permanent constituency to establish relationships with people graduated from different programs of School. SHAS organized the alumni gathering program on 4th May 2019 in Pokhara which authorized the foundation of nine membered Ad-hoc committee. We are in the process of finalizing alumni association constituent and planning for organizing Annual General Meeting for the materialization of historic and pioneer Alumni Association-SHAS, PU.

We do not create our alumni – they are a product of our school. At the same time alumni association is the guardians of the heritage of the institution and will remain long after the current faculty, administration and even buildings are gone. We anticipate a credible voice plus contribution of time, capacity and treasure by outstanding professionals in alumni association work.

In 2006, I graduated from Pokhara University with a bachelor's degree in pharmaceutical sciences. Apart from high-quality education, I got an opportunity to learn research skills, although the laboratories had basic facilities. Here, I would like to thank Prof. Purusotam Basnet for motivating us toward research. I equally enjoyed the time spent at Pokhara University, both being a student and a faculty. The time I spend at the university was the backbone of my career. The experience gained during my time in Pokhara University made be a suitable candidate to get the Erasmus Mundus scholarship to study a master's degree in advanced spectroscopy at the universities located in Germany, Norway and France and my doctoral studies at the Institute of analytical chemistry at Justus Liebig University. Pokhara University gave me a platform to learn more about my passion and dive in deeper into my subject of interest. In future, I aim to start a state-of-the-art analytical facility in Pokhara, Nepal. I am indebted to all the staffs (academics/non-academics) of Pokhara University for their never-ending support.

**Dhaka Ram Bhandari**
*B.Pharm (2nd Batch)*
Current Status: Researcher, Institute of Inorganic and Analytical Chemistry, Heinrich-Buff-Ring 17D-35392 Giessen

**Manoj Sigdel**
*B.Sc. MLT (1st Batch)*
Current Status: Assistant Professor (Clinical Biochemistry), Manipal College of Medical Sciences, Pokhara

I feel thankful and privileged to be an alumnus of School of Health and Allied Sciences, Pokhara University. It gave me the best platform to enter the field of laboratory medicine. This field has an immense potential in the scientific world of research and a huge role in patient care. Only with the proper laboratory findings will the physicians and surgeons be able to correctly diagnose the disorders and treat the patients.

**Samata Yadav**
*B.Sc. Nursing (1st Batch)*
Current Status: Scholar, Master of Public Health - Central Queensland University

Being a graduate Nurse I always feel proud to be a part of Pokhara University. It was valuable for me because the gained knowledge and skills throughout the course made me competent to grasp future opportunities. The high commitment and expertise of the lecturers and their proper guidance offered an ideal environment to be what I want. I also want to express my heartfelt thanks to the Pokhara University that provided a supportive environment to be an Australia Award Scholar for 2019.

"Studying at School of Health and Allied Sciences, Pokhara University provided me with the ideal environment to explore my interest in public health. It gave me a solid foundation in the latest Public Health knowledge along with the skills and confidence to take on new professional challenges. The high-level of commitment and expertise of my lecturers and supervisors ensured that I felt inspired and well-supported throughout my study. This programme not only allowed me to develop my core knowledge in public health, but also afforded me the opportunities to engage with some of National and international leading public health experts. Being taught by these experts was incredible and demonstrated the real world impacts and scope of public health practice. In addition, the smaller class sizes and interactive teaching methods allowed for me to learn from fellow students who came from variety backgrounds."

**Krishna Prasad Sapkota**
*BPH, MPH (1st Batch)*
Current Status: Assistant Professor, Karnali College of Health Science, Kathmandu

## Salient Features

## Central Library

Pokhara University has well managed spacious central library, within the premises of academic complex. It has sufficient number of textbooks and reference materials for different program of the school from both national and international authors. The library is in constant communication with the School and is able to fulfill the books in demand in no time. Moreover, the central library is digitally equipped with computers, CC Cameras and continuous high speed internet service. For the security matters we have Digital Recording System. It has facilities for E-resource to promote teaching, learning and research activities. For the convenience of students, the library is open from 6:00 to 18:00.

### Bus Service

The SHAS provides transportation service to its students to attend practical classes in different hospital and field visits arranged by the programs. However for daily ride, students should use the local buses to and from Pokhara University specially run by public bus services for the students.

### Journal Publication

School of Health and Allied Sciences publishes the 'Journal of Health and Allied Science (JHAS)' every year to foster the research and information.


### Girls Hostel

University offers a Girls' hostel with modern facilities in a nominal charge. It is located adjacent to the academic complex for a comfortable stay and security of the students.

## Sports and Extracurricular Activities

Faculty of Health Sciences encourages the student's participation in different extracurricular activities like intra and intercollege competition. The university has its own football ground, basketball court and many support packages. Students are encouraged to organize and participate in different sports tournaments and cultural programs. Students are involved in various clubs and associations related to their future professional career to enhance the leadership and teamwork skills.

## Information Access Centre (IAC)

Pokhara University has established IAC with the help of Korean Government which has the facility of quick internet, seminar hall, IT training center.

## Pokhara University Research Center (PURC)

PURC was established in the year 2012, under Pokhara University Act 2053. The purpose of its establishment is to promote the scientific and quality research in all four faculties of the University. PURC has mandatory authority to approve research proposals, conduct multidisciplinary research and monitor their progress from both faculty and students.

## Research Management Cell (RMC)

Research Management Cell (RMC) is the Research coordination Cell of the School of Health and Allied Sciences which facilitates the faculty members of the SHAS to conduct research works in various fields. The committee of RMC;

Prof. Dr. Bishnu Raj Tiwari - Chairperson

Prof. Dr. Arun Kumar Koirala- Member

Dr. Niranjan Shrestha - Member

## Students' Association

There are following student associations in the school working respectively on their fields.

Pokhara University Student Pharma Association (PUSPA), Pokhara University Biomedical Association of Students (PUBMAS), Association of Pokhara University Public Health Students (APPS) and Student Nursing Association (SNA), Pokhara University.

## Life around PU

Pokhara is a place which does not need any introduction. Pokhara is nicely decorated with beautiful mountains, rivers, lakes and vegetation

**Lakes**: Pokhara valley is known for the beautiful lakes. Amongst them, Phewa Lake is the most celebrated one and the Lakeside around it is the popular national and international tourist destination for the cosmopolitan food, music and recreation lovers. The well-known "Lake Side" is a popular place for throwing party. The other big lakes are Begnas and Rupa which are located within a walking distance from the University.

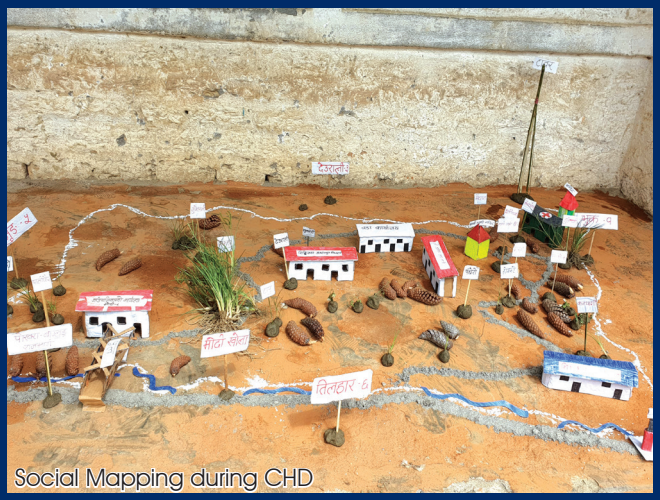
**View Points:** The majestic view of Annapurna range of the Himalayas is another attraction of Pokhara. Having view of world famous Machhapuchhre along with Annapurna range and the sunrise from viewpoints like Sarangkot, Kanhu View Tower and World Peace Pagoda is an unparalleled experience.

**Trekking Routes:** students can utilize their vacations trekking around the Himalayan region. Pokhara Nayapul is the gateway for world famous Annapurna Trekking route. Other short treks such as Dhampus, Ghorepani Pun Hill, Panchase, Sundari Danda also start from Pokhara.

**Other Destinations:** Himalayan Mountaineering Museum, Mahendra Cave, Bat Cave, Devi's Falls, Seti river gorge are the other famous spots to visit in Pokhara.

**Adventures:** For adventure lovers Paragliding, Ultra-Light flight, Bungee Jumping, Zip Flying etc. are the adventurous activities can be enjoyed around Pokhara.

# Photo Gallery



Social Mapping during CHD



Cultural Camp
Most Viewed VDO


POKHARA UNIVERSITY
arewell Program


स्वागत तथा बिदाई कार्यक्रम

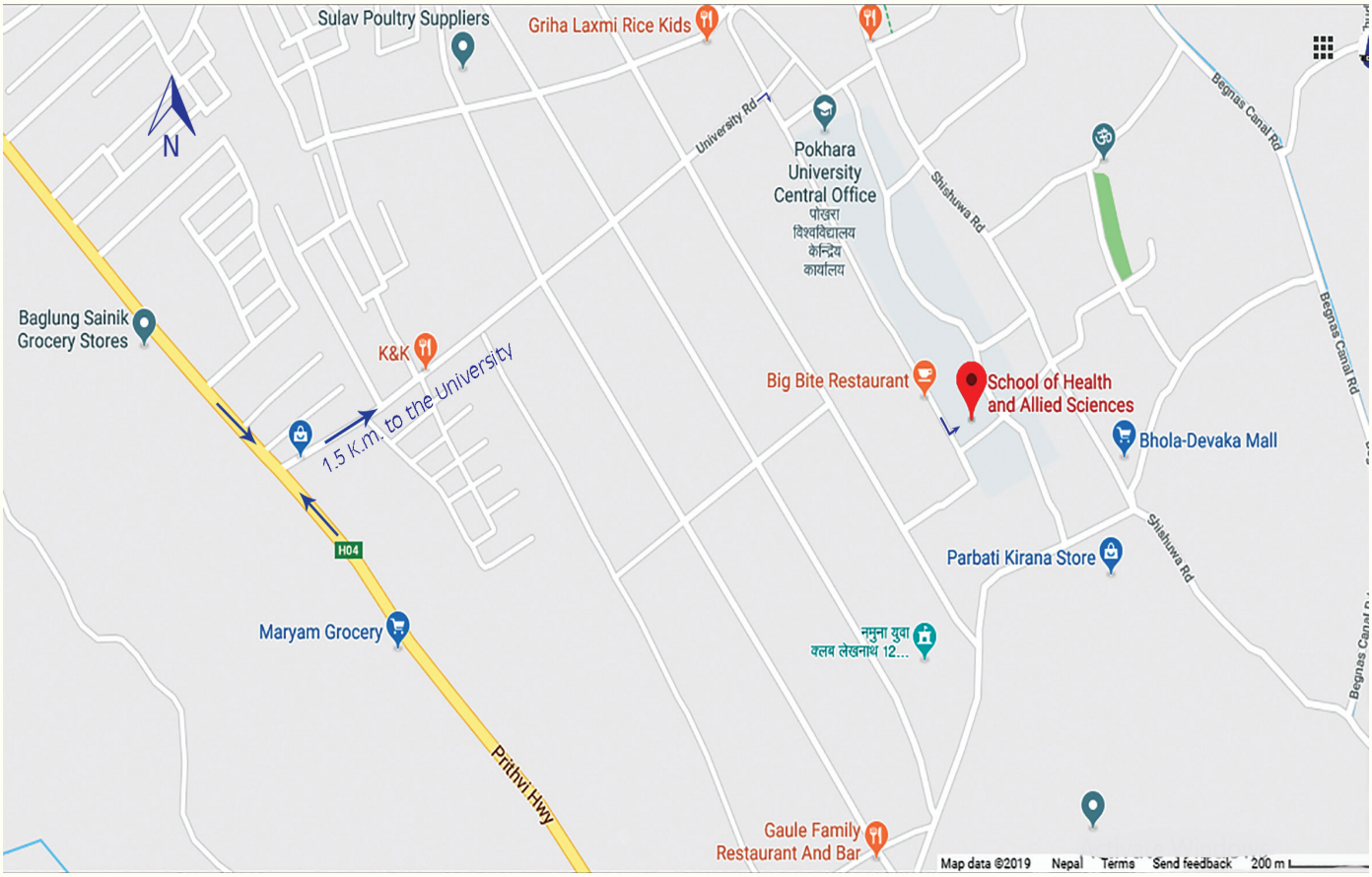

B.P.KOIRALA INSTITUTE OF HEALTH SCIENCES
ESTD · 1993


पोखरा विश्वविद्या
केन्द्रीय कार्यालय
CENTRAL OFFICE


फिजियोथेरापी संघ


NATIONAL CONFERENCE
on
Revitalizing National Health System of Nepal in
Federal Era: Path to Achieve SDGs

# School Guide



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