



WELCOME

The School of Allied Health Sciences



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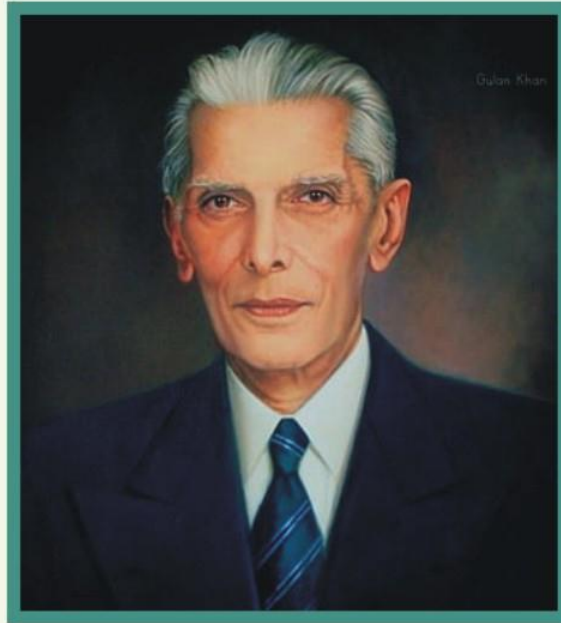
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Founder of Pakistan

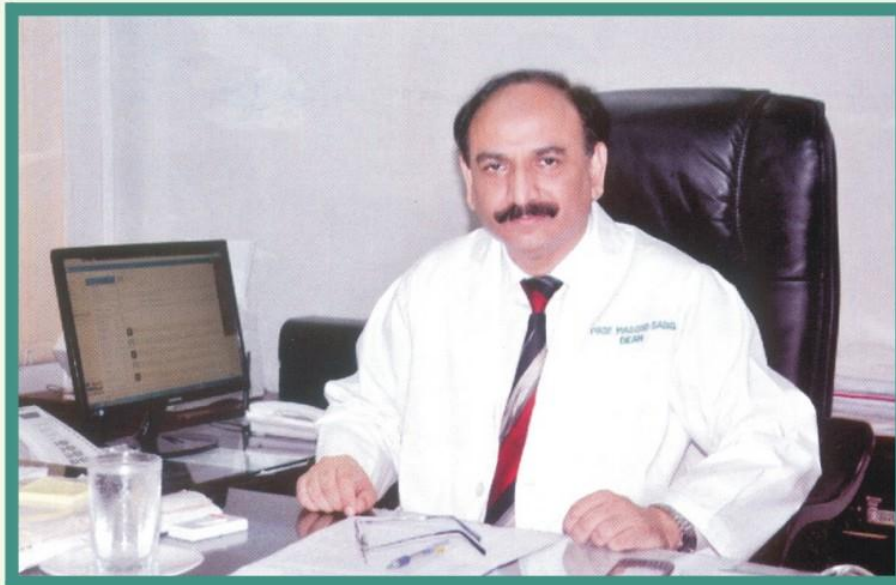


QUAID-E-AZAM MUHAMMAD ALI JINNAH (December 25, 1876 - September 11, 1948)

With faith, discipline and
selfless devotion to duty,
there is nothing worthwhile that
you cannot achieve.

Vice Chancellor

University of Child Health Sciences
The Children's Hospital, Lahore



Prof. Dr. Masood Sadiq

The Children's Hospital is the largest Hospital on the globe providing specialized facilities to children from all over the country. The mission of the University of Child Health Sciences, the Children's Hospital Lahore is to act as a model institution to alleviate the suffering of children with any illness through the application of modern methods of curative and palliative treatment. Treatment is provided irrespective of their ability to pay and to educate health care professionals along with the public and conduct research into the causes and treatment of diseases in childhood.

The delivery of healthcare is no more oriented around doctors and nurses only. The allied health professionals constitute a key component of modern healthcare delivery all over the country. The School of Allied Health Sciences at The Children's Hospital, Lahore has the honour of being the first institution in public sector to start professional degree courses in various disciplines of allied health sciences; i) Medical Imaging Technology, ii) Medical Laboratory Technology, iii) Dental Technology, iv) Speech & Language Pathology, v) Occupation Therapy, vi) Operation Theater Technology. The school is offering BSc. Honors in these disciplines and DPT (Doctor of Physical Therapy) under the auspices of University of Health Sciences, Lahore.

I assure you an ongoing support on behalf of University of Child Health Sciences, the Children's Hospital Lahore and wish the students the very best in their future plans and prospects.

Director/Principal

School of Allied Health Sciences, UCHS, CH, Lahore



Prof. Dr. Shazia Maqbool

Allied Health Sciences(AHS) are distinct from nursing, medicine, dentistry and pharmacy but an integral part of health delivery services. Allied Health Professional (AHP) play a vital role in health care teams along with doctors and nurses to make the health care system function by providing a range of diagnostic, technical, therapeutic, and rehabilitative services. They also provide support services as part of team members that are critical to the patients they serve. Allied health professionals are different from paramedics as they are more specialized & must adhere to national training and education standards and their professional scope of practice. In Pakistan, their services range from Medical technologists working in diagnostics to direct patient care like in Physiotherapy and Speech & Language pathology etc.

It is impossible to meet the needs of patient care in a population of 120 million in Punjab by doctors and nurses only. School of Allied Health Sciences The Children's Hospital & Institute of Child Health, Lahore in collaboration with University of Health Sciences took the lead for this very important section of health delivery service and started numerous courses in 2000. This institution was the pioneer institute where initially 3 years B.Sc. degree courses were offered in three disciplines. All B.Sc. degree courses were upgraded to 4 years B.Sc. (Hons.) along with four new courses introduced in 2008 among which Physical therapy became Doctor of Physiotherapy (DPT) in 2012. It is one of the biggest institution in the public sector catering for seven allied health disciplines and adding more every few years.

We together with excellent faculty having strong teaching ethos and well equipped state of art classrooms continue our mission of producing not only great professionals in their respective disciplines but also good human beings with high moral values. We wish you luck and pray that you are able to select the right discipline for yourself in which you can serve and excel in life.

The Children's Hospital University of Child Health Sciences, Lahore

The foundation stone of Children's Hospital Institute of Child Health was laid down in 1990. Its OPD Block was operationalized in 1995, emergency services were started in 1996 and then in-patient services started in 1998. The hospital is providing a wide range of services both for in-patients and out-patients with full backup of diagnostic services.

The Hospital is beautifully constructed red brick, elegant building located on Ferozpur Road on an area of 317 kanals. There are 42 different specialties related to medical, surgical and diagnostic fields. Due to increasing number of patients and work load, the initial bed strength of 250 has been increased to 684 and now a whole new indoor block is constructed to increase it to 1100 bed strength.

A dedicated team of highly trained paediatric specialists and paramedical staff are engaged in child care. The staff members are fully trained and skilled. This is where the concept of integrated facilities plays most crucial role in taking care of child health and decreasing the infant mortality rate.

The Institute of Child Health is providing post-graduate training to a very large number of doctors in multiple specialities as well as conducting research projects. The institute also encompasses the School of Allied Health Sciences and the School of Nursing.

The Children's Hospital & Institute of Child Health is an integrated health complex offering comprehensive services to child health. Both the schools are helping to develop human resource needs for medical, nursing and paramedical support for the growing population of Pakistan.



List of Faculty Members

The Children's Hospital University of Child Health Sciences, Lahore

Prof. Dr. Masood Sadiq Dean/Prof. of Paediatric Cardiology	Dr. Alia Ahmad Associate Prof. Paediatric Haematology Oncology	Dr. Samia Naz Assistant Prof. Paediatric Medicine
Prof. Dr. Muhammad Saleem Medical Director/Prof. of Paediatric Surgery	Dr. Sarfraz Ahmad Associate Prof. Paediatric PM&R	Dr. Farhana Shehzad Assistant Prof. Immunology
Prof. Dr. Shazia Maqbool Prof. of Developmental Paediatrics	Dr. Nazish Saqlain Associate Prof. Pathology	Dr. Wajiha Rizwan Assistant Prof. Paediatric Medicine
Prof. Dr. Farhana Muzaffar Prof. of Paediatric Dermatology	Dr. Zonaira Rathore Associate Prof. Pathology	Dr. Muhammad Zeeshan Khan Assistant Prof. Paediatric Medicine
Prof. Dr. Junaid Rashid Prof. of Paediatric Medicine	Dr. Syed Salman Ahmad Shah Assistant Prof. Paed Cardiovascular Surgery	Dr. Aisha Iftikhar Assistant Prof. Paediatric Medicine
Prof. Dr. Nabila Talat Prof. of Paediatric Surgery	Dr. Muhammad Nasir Rana Assistant Prof. Emergency Paediatrics	Dr. Muhammad Aslam Khan Assistant Prof. Plastic & Reconstructive Surgery
Prof. Dr. Tipu Sultan Prof. of Paediatric Neurology	Dr. Ahmad Usaid Qureshi Assistant Prof. Paediatric Cardiology	Dr. Muhammad Asif Ibrahim Assistant Prof. Plastic Neurology
Prof. Dr. Aizza Zafar Prof. of Paediatric Microbiology	Dr. Tooba Fateen Assistant Prof. Pathology	Dr. Saira Riaz Assistant Prof. Paediatric Cardiac Anesthesia
Prof. Dr. Khawaja Ahmed Irfan Waheed Prof. of Neonatology	Dr. Mehvish Hussain Assistant Prof. Paed Histopathology	Dr. Abdul Latif Shahid Assistant Prof. Paediatric Orthopaedic Surgery
Prof. Dr. Samina Zaman Prof. of Paediatric Histopathology	Dr. Afsheen Batool Raza Assistant Prof. Paediatric Medicine	Dr. Nighat Sultana Assistant Prof. Paediatric Intensive Care
Prof. Dr. Abid Ali Qureshi Prof. of Paediatric Radiology	Dr. M. Zia-ur-Rehman Assistant Prof. Paediatric Neurology	Dr. Iqra Mushtaq Assistant Prof. Paediatric Gastroenterology
Prof. Dr. Imran Saeed Prof. of Paediatric ENT	Dr. Sikandar Hayat Assistant Prof. of Neonatology	Dr. Muhammad Nadeem Anjum Assistant Prof. Paediatric Gastroenterology
Prof. Dr. Attia Bari Prof. of Paediatric Medicine	Dr. Bushra Fatima Assistant Prof. of Neonatology	Dr. Mehboob Ahmad Assistant Prof. Paediatric Surgery
Prof. Dr. Syed Muhammad Javed Iqbal Prof. of Paediatrics	Dr. M. Bilal Abid Assistant Prof. Developmental Paediatrics	Dr. Arshad Alvi Assistant Prof. Paediatric Gastroenterology
Prof. Dr. Ehsan Ullah Prof. of Developmental Paediatrics	Dr. Shaila Ali Assistant Prof. Paediatric Neurology	Dr. Amna Zafar Qureshi Assistant Prof. Paediatric Cardiology
Dr. Jamal Abdul Nasir Associate Prof. Paediatric Cardiac Surgery	Dr. Mumtaz Hussain Assistant Prof. Paediatric Orthopedic Surgery	Dr. Asma Mushtaq Assistant Prof. Paediatric Ophthalmology
Dr. Saeedah Asaf Associate Prof. Paediatric Anesthesiology	Dr. Aeysha Anjum Assistant Prof. Paediatric Radiology	Dr. Fauzia Tabasum Assistant Prof. Haematology
Dr. Jaida Manzoor Associate Prof. Paediatric Endocrinology	Dr. Amber Goraya Assistant Prof. Paediatric Radiology	Dr. Rabbia Aman Assistant Prof. Paediatric Cardiology
Dr. Iqbal Hussain Dogar Associate Prof. of Paediatric Radiology	Dr. Zafar Fayyaz Assistant Prof. Paediatric Gastroenterology	Dr. Syed Asif Akbar Shah Assistant Prof. Paediatric Cardiology
Dr. Syed Najam Haider Associate Prof. Paediatric Cardiology	Dr. Muhammad Sarwar Assistant Prof. Paediatric Intensive Care	Dr. Laeeq-ur-Rehman Assistant Prof. Paediatric Cardiology
Dr. Farrah Naz Associate Prof. Paediatric Medicine	Dr. Muhammad Bilal Mirza Assistant Prof. Paediatric Surgery	Dr. Ahmed Imran Assistant Prof. Paediatric Neurosurgery
Dr. Asma Mushtaq Associate Prof. Paediatric Medicine	Dr. Imran Hashim Assistant Prof. Paediatric Surgery	Dr. Ahmed Imran Assistant Prof. Paediatric Radiology
Dr. Uzma Kazmi Associate Prof. of Paediatric Cardiology	Dr. Saadia Anwar Assistant Prof. Paediatric Haematology Oncology	Dr. Syed Nasir Abbas Bukhari Assistant Prof. Haematology Oncology
Dr. Muhammad Asim Khan Associate Prof. Paed Cardiovascular Surgery	Dr. Sobia Qamar Assistant Prof. Paediatric Medicine	Dr. Summayya Aftab Assistant Prof. Paediatric Endocrinology
Dr. Iqbal Bano Associate Prof. Paediatric Pulmonology	Dr. Shazia Yaseen Assistant Prof. Paediatric Haematology	Dr. Uzma Jabeen Assistant Prof. Paediatric Medicine (Adhoc)
Dr. Naureen Akhtar Associate Prof. Paediatric Nephrology	Dr. Faiz Rasool Assistant Prof. Paed Cardiovascular Surgery	Dr. Shazia Riaz Assistant Prof. Haematology Oncology (Adhoc)
Dr. Farah Haroon Associate Prof. Neonatology	Dr. Tehmina Kazmi Assistant Prof. Paediatric Cardiology	Dr. Ayesha Ashraf Assistant Prof. Orthodontics (Adhoc)
Dr. Saima Farhan Assistant Prof. Paediatric Haematology	Dr. Shahida Perveen Assistant Prof. Paediatric Nephrology	Dr. Naima Mehdi Assistant Prof. Paediatric Microbiology
Dr. Anjum Saeed Associate Prof. Paediatric Gastroenterology	Dr. Ghulam Mujtaba Zafar Assistant Prof. Paediatric Urology	Dr. Rahat-ul-Ain Assistant Prof. Paediatric Haematology Oncology
Dr. Mahwish Faizan Associate Prof. Paediatric Haematology Oncology	Dr. Lubna Ijaz Assistant Prof. Neuro Surgeon	Dr. Huma Zafar Assistant Prof. Paediatric Haematology Oncology
		Dr. Hina Azhar Assistant Prof. Developmental Paediatrics
		Dr. Aisha Farid Assistant Prof. Developmental Paediatrics

INTRODUCTION

The School of Allied Health Sciences

Better patient care is the ultimate goal of all health care activities and is provided by doctors, nurses and allied health care staff.

Provision of health care is a team effort and the allied health worker is an integral part of the health care team, who, if not available, affects the quality of health care provision.

Our community is acutely short of Allied Health Professionals in all disciplines of Allied Health Services. Leading health care facilities are lacking in trained and qualified professionals, on account of a dearth of training institutions.

The training of these professionals requires hi-tech equipment and qualified teaching faculty. Fortunately the Children's Hospital has these facilities and is capable of conducting training courses.

The School of Allied Health Sciences has the honor of being the first institution in Pakistan and Punjab to start professional degree courses in different disciplines of Allied Health Sciences. The School is conducting total 7 degree programs including 5 year degree program in Doctor of Physical Therapy and B.Sc (Hons.) in Medical Imaging Technology, Medical Laboratory Technology, Dental Technology, Occupational Therapy, Speech & Language Pathology, and Operation Theater Technology.

The School of Allied Health Sciences is located on the second floor of "The OPD Block" of Children's Hospital & Institute of Child Health, Lahore. It has spacious air conditioned lecture rooms equipped with modern teaching aids like multimedia and over head projectors. The school has a fully equipped anatomy museum, computer lab and library. The students have full access to the main library and laboratories etc. of the Children's Hospital. The faculty of the School comprises of lectures, hospital faculty & visiting faculty from different institutes. The school offers training in some of the world's most

modern equipment in Imaging Technology, Physiotherapy and diagnostics.

A total of 1233 students have graduated since 2000. The achievement of our alumni were recognized and celebrated in the 1st Convocation held on 7th December, 2017, 2nd Convocation held on 11th December, 2018 and 3rd Convocation held on 20th December, 2019. The graduates will be an asset to the country and will help in improving the quality of health care in Pakistan.



FACILITIES FOR STUDENTS

Anatomy Museum

The anatomy museum covers the whole field of the human body. It provides aids in the form of models showing different regions of the body. In the bone section cadaveric skeletons and a number of individuals bones are available which cater all the needs of students during their studies.



School Library

The library is well equipped. It contains numerous bound volumes of books and periodicals which are continually issued to the students. The library is for students & teachers but who loses, defaces or otherwise, seriously damages the book shall be liable to pay the cost or replace the books. Reference books shall not be issued from the library.

Computer Lab

The school has its own computer lab. The lab is equipped with the latest computer systems available in market. The internet facility is available and the students can avail the facility for their research work.



Cafeteria

A spacious cafeteria is situated within the hospital. All food is hygienically prepared in a well equipped kitchen. It offers various choices of breakfast, lunch and dinner at very subsidized rate. Besides food, snacks, cold drinks, tea, coffee, fresh juices, shakes and ice cream are also available.

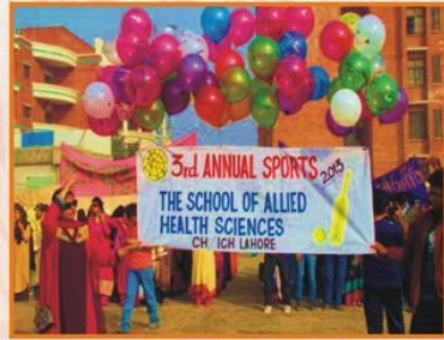
Co-curricular Activity

In today's highly competitive world co-curricular activities are very important in bringing out the hidden talents of students and building up their confidence. It will enhance the ability to think quickly on the spot, to face a crowd and to thoroughly enjoy themselves. It creates the spirit of team work and improves the interaction between the students. Co-curricular activities are held throughout the year for the students. These activities are organized by various student societies.



Sports Society

Games and sports are integral part of any academic institution. Various sports activities are organized the Sports Society of SAHS to bring out the sportsmanship & hidden talent of games among the students. Various sports activities including indoor & outdoor games are held on annual sports day. At the end of ceremony, the prizes are distributed among the winners.



The Editorial Society

The editorial society school publishes its annual magazine on regular basis. The editors of magazine from different disciplines are selected. The magazine is a source of inspiration for the whole school. This magazine also predicts the literary abilities for the students of School of Allied Health Sciences.

Naat & Milad Society

Annually the milad & naat competition is held by SAHS Miald society. Every year the students participate with great religious spirit.



The Debating Society

The debating society of SAHS conducts the events of debate annually. The student members from all disciplines participate in debate competitions on regular basis. This is definitely an encouragement for the students to face the public.

The Dramatics Society

The dramatics society organizes Annual event. The student members regularly hold the Student Dinners, Welcome & Farewell parties. The students perform short scripts that depict the social aspects of our community.



Event Calender

Following events are expected to held in following months

- ◆ Milad - November
(Rabi-ul-Awal According to Islam)
- ◆ Debates - August
- ◆ Funfair - October
- ◆ Dramatics - November
- ◆ Annual Dinner - December
- ◆ Sports - December

Hostel Facility

No hostel facility shall be provided by the School of Allied Health Sciences.

Transportation

No transportation shall be provided by School of Allied Health Sciences.

ADMINISTRATIVE SET UP

School of Allied Health Sciences

Vice Chancellor

Prof. Dr. Masood Sadiq

Director/Principal

Prof. Dr. Shazia Maqbool

Assistant Director Academic

Sara Hussain
Physiotherapist

Assistant Director Admin

Attiq-ur-Rehman
Medical Laboratory Technologist

Conveners of School of Allied Health Sciences

Medical Laboratory Technology

Prof. Dr. Aizza Zafar

Speech & Language Pathology

Prof. Dr. Shazia Maqbool

Operation Theater Technology

Prof. Dr. Nabila Talat

Occupational Therapy

Prof. Dr. Ehsan Ullah

Medical Imaging Technology

Prof. Dr. Abid Ali Qureshi

Doctor of Physical Therapy

Associate Prof. Dr. Sarfraz Ahmad

Dental Technology

Assistant Prof. Dr. Saeed Ahmad

Faculty of School of Allied Health Sciences

Demonstrator (Anatomy)

Dr. Marvi Sehar

Demonstrator (Physiology)

Dr. Iqra Iqbal

Operation Theater Technologist

Ms. Rubab Zohra

Medical Imaging Technologist

Ms. Mehreen Fatima

Dental Technologist

Ms. Fakhar ul Nisa

Occupational Therapist

Ms. Iqra Majeed

Biostatistics and Research

Mr. Munawar Ghous

Other Staff

Mr. Niaz Hussain, Accountant

Ms. Naheed Awan, Computer Operator

Ms. Ghazala Manzoor, Library Assistant

Mr. Rafaqat Ali, Junior Clerk

Ms. Nazrana Batool, Junior Clerk

Ms. Shahina Younas, Record Keeper

Ms. Anila Ameer, Telephone Operator

Ms. Mehtab Naz, Audio Visual Operator

Mr. Naseer ud Din, Naib Qasid

Mr. Muhammad Imran, Naib Qasid

Ms. Abida Parveen, Aya

Ms. Kiran Irfan, Aya



ADMISSION INFORMATION

- Admissions are notified in major Urdu and English daily newspapers.
- Applications are received on prescribed application form, available with the prospectus.
- When applying preference should be clearly mentioned on the form. Preference once made shall be final.
- Merit based selected candidates have to complete the admission requirements.
- Academic session will commence according to the University of Health Sciences calendar.

Total number of seats available for admission in each discipline is mentioned in the following table:

Sr. No.	Discipline	Total
1	Doctor of Physical Therapy	20
2	B.Sc. (Hons.) Medical Imaging Technology	25
3	B.Sc. (Hons.) Medical Laboratory Technology	30
4	B.Sc. (Hons.) Dental Technology	12
5	B.Sc. (Hons.) Occupational Therapy	12
6	B.Sc. (Hons.) Speech & Language Pathology	12
7	B.Sc. (Hons.) Operation Theatre Technology	10

Eligibility Criteria

- A: Doctor of Physical Therapy (DPT)
F.Sc Pre-Medical / Equivalent as certified by the Inter Board committee of Chairman, Islamabad), with at least 60% in aggregate marks.
- B: B.Sc (Hons) Degree Courses
F.Sc. Premedical or F.Sc in relevant technology from a board of intermediate & secondary education/ equivalent (as determined by the Inter Board committee of Chairman, Islamabad), with at least 50% unadjusted marks.

There is no age restriction for admission in B.Sc (Hons.) Allied Health Sciences courses.

The following attested copies should be attached with the application form:

- Matric certificate showing date of birth
- F.Sc. Certificates/Equivalence certificate
- One passport size photograph
- Character Certificate from the Institution last attended
- Domicile Certificate (Punjab)
- C.N.I.C. / Form B
- An affidavit declaring the candidate is / shall not be registered as a student in any other institution during their stay in SAHS.

FEE & DEPOSITS

1. Candidates selected for admission in SAHS 1st year must pay fee by the specified date, notified by the principal, failing to pay dues within the specified date and time, the candidate shall lose his/her seat to the next candidate on the waiting list.
2. If a newly admitted student wishes to leave the institution and does not join classes on commencement of the sessions there will be 100% refund of all deposited fee except admission fee. The candidate must inform the principal in writing within 07 days of the commencement of classes regarding cancellation of admission and refund of fee. After 07 days of commencement of classes there will be no refund.
3. The annual fee of the school must be paid by all the students by the date notified by the principal on notice board.
4. A student of 2nd, 3rd, 4th and final year who fails to deposit his/her fee within the date notified by the principal, will be charged fine of Rs. 100 per week.
5. The names of the defaulter students will be struck off the school roll. However, readmission will be allowed on payment of readmission fee of Rs 100/- in addition to school fee and other dues / deposits.
6. Late coming fine (Rs. 50) and uninformed leave fine (Rs. 50) will be added in the fee (if applicable).
7. Fee and subscription of school are determined by the Government from time to time. The present rate of fee is given below,

Admission Fee (Once at the time of admission) Rs. 100/-
University Registration Fee Determined by UHS
Examination Fee Determined by UHS

Head of Account Amount

Sr. No.	Head of Account	Amount
1	Tuition Fee	7,500/-
2	Continued Medical Education Fund	2,000/-
3	Extra-Curricular / Sports Fund	500/-
4	Magazine Fund	400/-
5	Computer Lab / Laboratory Fund	500/-
	Total	10,900/-

ADMISSION SOPs

1. Admission Preferences

Applicants must apply and give his/her admission preference for all seven disciplines otherwise admission form will not be accepted.

2. Fee Submission

It is required to deposit the fee for admission in the School of Allied Health Sciences within given period. If the applicant does not deposit the fee, he/she will not be called for admission in further merit lists.

3. Up-gradation of Admission

Admitted students shall be upgraded as per their given preferences. Therefore, it is mandatory to give preferences properly.

GENERAL DISCIPLINARY RULES

Attendance

- ◆ Every student shall be required to attend at least 75 percent of lectures and also 75 percent attendance in practical classes (seminars, tutorials, practical classes and clinical rotations). Failing to pass either mid term, send up examination or in case of short attendance, his/her name shall not be forwarded to the Controller of Examination of the University for the purpose of appearing in the concerned examination.
- ◆ Failing to appear in Mid term and Send Up Examination will result in zero score of internal assessment being sent to Controller of Examination of the University for the purpose of appearing in the concerned examination.
- ◆ The attendance will be notified at the end of each month on the notice board, any student failing to improve the attendance the case will be referred to disciplinary committee.
- ◆ Every student is required to attend punctually at the hours notified for lectures, demonstrations, seminars, tutorial classes, practical and hospital wards. Students absenting themselves from college or hospital work shall be liable to a fine imposed by the head of the institution.
- ◆ Students have to be present in time at any specified activity of the institution otherwise the student shall be liable to a fine imposed by the head of the institution.
- ◆ In case of marking proxy, the student will be marked absent for 7 working days, CR will also be marked absent for 7 days if he/she fails to report the proxy to concerned coordinator.
- ◆ The students coming late to school will be charged with the fine of Rs. 50/day.

Class Room

- ◆ Maintaining the decorum of class is mandatory and the students are expected to extend highest level of courtesy and respect towards their teachers.
- ◆ No student is allowed to leave the lecture room without the permission of his teacher or until the class is dismissed.

Examination

- ◆ Students are not allowed to take into the examination hall textbooks, notes or manuscript of any kind.
- ◆ Any student found infringing the examination rules or having recourse to unfair means will be expelled from the examination.
- ◆ Students must reach at least 15 minutes before the examination start or as mentioned on the date sheet. No one will be allowed to sit in the examination after the examination starts.

Migration Policy

- ◆ The credits earned in the parent institution by a student seeking migration into an affiliated/ constituent institution or department of the University shall be equated by the Migration / Equivalence committee of UHS and the equated credits shall be considered for determining his/her eligibility to take the year end university examination.

Leave

- ◆ Planned leaves must be approved by the principal before availing them.
- ◆ Uninformed leave will be charged with fine of Rs. 50/day
- ◆ Sick leave will only be granted on the production of a medical certificate.
- ◆ In all cases leave taken will be at the student's own risk so far as the percentage of attendance is concerned and even the medical certificate will not condone a deficiency in attendance.
- ◆ In case of emergency, student must inform their respective coordinators and should submit application the next day.
- ◆ If student, will be absent without leave continuously for a period of four weeks, his name will be forwarded to School Management Committee/Director Principal

Students Medical Certificate and Treatment

- ◆ The student must obtain a medical certificate from a registered medical practitioner. (Government Hospital)
- ◆ Medical certificate in support of absence must be produced at the earliest possible date and not weeks or months after the absence.
- ◆ A medical certificate must specify the nature of the illness and the period with dates of leave recommended on account of that illness.

General Rules

- ◆ Students are not allowed to bring valuables like cash, jewellery and mobile phones etc. in the school and hospital premises. Any loss or theft will be their own responsibility.
- ◆ Students will be fined per day (as decided by the administration) in case of not submitting the reports (Research Reports & Synopsis) by due date as displayed by the Head of Institution.
- ◆ Students are required to observe order and discipline at all times in the institution, hospital and hostel.
- ◆ Smoking is legally banned in school and hospital premises. Legal action will be taken if anyone is found smoking in hospital premises.
- ◆ No game of any sort is to be played during the classes and hospital duty hours.
- ◆ Displaying and distribution of partisan/ethnic/sectarian/political pamphlets

or circulars etc, in the institution, attached hospitals and hostels premises is not allowed.

- ◆ Any student breaking or damaging any property of the institution shall be required to pay the cost of repair or replacement.
- ◆ In case of willful damage, he/she shall be punished under the disciplinary rules of the Institution.
- ◆ No person shall be invited to address a meeting or society in the institution premises without prior permission of the head of the institution.
- ◆ No student shall address a Press Conference, nor write to the press on the political or related subject or matters concerned directly with the administration of the institution, University or any Government or Educational Institution in Pakistan or abroad. No poster or banner shall be put up without the approval of the head of the institution.
- ◆ No society may be set up by the students nor any meeting held in the institution premises without the written permission of the head of the institution.
- ◆ The principal can from time to time issue disciplinary orders of permanent or temporary nature, regulating conduct of the students within the School.
- ◆ **No riots, strikes, boycotts and demonstrations are allowed.**

Dress Code

- ◆ Students are expected to dress up decently and they should observe simplicity.

School Identity Card

- ◆ It is compulsory for all students to obtain his/her identity card from the school office immediately after his/her admission.
- ◆ A student should always display his/her identity card at all times. If any student was found without the display of their ID cards, they will be fined Rs. 100
- ◆ In case of loss/damage of the identity card, a new one will be issued for Rs. 100.

OFFENCES AND PUNISHMENTS

- ◆ For all such offences that occur in the institution, hospital and hostel premises, head of the institution may at his discretion refer the case to the Disciplinary Committee of the institution.
- ◆ After considering the recommendations of the Disciplinary Committee, disciplinary action by the head of the institution against the students committing an offence might take one or more of the following forms depending upon severity of the offence :
 - i) The student may be asked to render an apology, verbal or written. This shall be placed on the student's record.
 - ii) A student may be placed on probation for a period upto one year. If during the period of probation he /she fails to improve his/ her conduct, he/she may be expelled from the institution.
 - iii) The student may be expelled from the institution for a period determined by the head of the institution on recommendations of the Disciplinary Committee **and School management Committee**.
- ◆ In case of forging/ over writing the instructor's signature/remarks, strict disciplinary action will be taken against the student, and it can lead to the suspension/termination from the institution.

Regulations Relating to Expulsion

- ◆ Expulsion whenever imposed on a student shall mean the loss of a specific duration of studies as determined by the head of the institution and will mean his/her being debarred from the University Examination during the period of his/her expulsion.
- ◆ A student expelled from an institution shall not be readmitted before the expiry of the period of his/her expulsion.
- ◆ Cases of expulsion shall be reported to the University by the head of the institution concerned for registration and notification.
- ◆ The students shall not keep in their possession firearms, other weapons of offence and narcotics in the premises of the institution, attached hospitals and hostels. Disciplinary action shall be taken against the students found guilty of contravention of this rule.
- ◆ The decision of the head of the institution in all cases shall be considered as final.

Cancellation of Registration by UHS

- ◆ A student enrolled/ admitted, concomitantly, in two courses without prior permission from the UHS shall not be registered. A student is required to submit an affidavit at the time of submission of application for seeking admission into a course being offered by the UHS, deciding whether or not he/she is enrolled in another course. The university shall allow or decline the concomitant enrollment into two courses in the light of HEC guilelines issued from time to time. A failure in disclosure about aforementioned fact is liable for cancellation

DOCTOR OF PHYSICAL THERAPY

(5 Year Degree Program)

The School of Allied
Health Sciences



DOCTOR OF PHYSICAL THERAPY

Aims And Objectives of the Course

- To prepare the students with the relevant professional knowledge, skills, techniques and ethical values to apply their acquired expertise for the efficient health care delivery system.
- Analyze and discuss the biomedical, behavioral and social science basis of physiotherapy and integrate the basis into physiotherapy practice.
- Assess, analyze and plan physiotherapy management, apply and evaluate physiotherapy skills.
- Understand methods of communication, listen to and interpret appropriately communications of the patient/client.
- Describe a comprehensive and systematic approach to patient management that applies critical thinking and sound decision making throughout the continuum of physiotherapy care and services.

What is Physiotherapy?

Physiotherapist provides services to individuals and populations to develop, maintain and restore maximum movement and functional ability throughout the lifespan. This includes providing services in circumstances where movement and function are threatened by ageing, injury, disease or environmental factors. Functional movement is central to what it means to be healthy.



Physiotherapy is concerned with identifying and maximizing quality of life and movement potential within the spheres of promotion, prevention, treatment / intervention, habilitation and rehabilitation. This encompasses physical, psychological, emotional, and social wellbeing. Physiotherapy involves the interaction between physiotherapist, patients / clients, other health professionals, families, care givers, and communities in a process where movement potential is assessed and goals are agreed upon, using knowledge and skills unique to physiotherapists.

Physiotherapist as a Practitioner

The term practitioner encompasses all roles that a physiotherapist may assume such as patient/client care, management, research, policy maker, educator, and consultant. Physiotherapists are qualified and professionally required to undertake a comprehensive examination /assessment/ evaluation & formulate a diagnosis, prognosis, and plan of the patient/client.



Provide consultation within their expertise and determine when patients/clients need to be referred to another healthcare professional & implement a physiotherapist intervention / treatment program. Determine the outcomes of any interventions / treatments & make recommendations for self management.

Physiotherapists operate as independent practitioners, as well as members of health service provider teams, and are subject to the ethical principles. They are able to act as first contact practitioners, and patients / clients may seek direct services without referral from another health care professional.

The Nature of the Physiotherapy Process

Physiotherapy is the service provided only by, or under the direction and supervision of a physical therapist. It includes **examination/assessment, evaluation, diagnosis, prognosis, plan of care/intervention and re-examination.**

Where is Physiotherapy Practiced?

Physiotherapy is an essential part of the health and community/welfare services delivery system. Physiotherapists are guided by their own code of ethical principles. Thus, they may be concerned with any of the following purposes:

- **Promoting** the health and wellbeing of individuals and the general public/society, emphasizing the importance of physical activity and exercise.
- **Preventing** impairments, activity limitations, participatory restrictions and disabilities at risk of altered movement behaviours due to health factors, socio-economic stressors, environmental & lifestyle factors.
- **Providing interventions/treatment** to restore integrity of body systems essential to movement, maximise function and recuperation, minimise incapacity, and enhance the quality of life & independent living.
- **Modifying** environmental, home and work access and barriers to ensure full participation in one's normal and expected societal roles.

Settings in which Physiotherapy is Practiced

Physical therapy is delivered in a variety of settings which allow it to achieve its purpose. Prevention, health promotion, treatment, habilitation & rehabilitation take place in multiple settings like community based rehabilitation programs, community settings including primary health care centers & field settings, education & research, fitness clubs, gymnasias & spas, hospitals, nursing homes, occupational health centers, out-patient clinics, physical therapist private practices, clinics, special schools, sports centers/clubs.

Professional Autonomy

Professional education prepares physiotherapists to be autonomous practitioners. Physiotherapists exercise their professional judgment to reach a diagnosis which will direct their physiotherapy interventions/treatment, habilitation and rehabilitation of patients/clients/populations.

The Department of Physical Medicine and Rehabilitation

The department is headed by a qualified Rehabilitation Specialist and a dedicated team of psychiatrists and physiotherapists. A wide range of patients with different neuromusculoskeletal disorders are treated here. The department is fully equipped with a modern and sophisticated Gymnasium, Electrotherapeutic and Hydrotherapy setup.

The department not only caters the OPD patients but also facilitates the indoor and admitted patients of all the medical and surgical departments of the hospital. The department is a learning paradise for the novice professionals of Physiotherapy. The department is the most established setup of Pediatric Physiotherapy and soon the fellowship in this specialty will be started.

Future Plans

The SAHS will soon start Masters Program in physiotherapy in its sub specialties.



Course Scheme

Year	Theoretical	Practical
1st Year	Anatomy I Physiology I Kinesiology I & Biomechanics Introduction to Computer Islamic (Ethics) & Pakistan Studies	Hands on training in basic techniques of the discipline
2nd Year	Anatomy II Physiology II Kinesiology II & Ergonomics Biochemistry & Genet Medical Physics	Hands on training in basic techniques of the discipline
3rd Year	Pathology & Microbiology Pharmacology Physical Agents & Electrotherapy Therapeutic Exercises & Techniques Behavioral Sciences	Supervised Clinical Practice I & II
4th Year	Medicine Surgery PT I - Musculoskeletal & Neurological Physical Therapy Radiology & Diagnostic Imaging Emergency procedures & Primary Care Biostatistics & Evidence based practice	Supervised Clinical Practice III & IV
Final Year	PT - II Clinical Decision Making & Differential Diagnosis Research Methodology & Reasearch Process PT - III Community Based Rehabilitation Professional Practice in Physiotherapy.	Supervised Clinical Practice V & VI

One Year of house job will be incorporated at the end of five year degree program.

Clinical Attachments

Lahore General Hospital, PSRD & Jinnah Hospital, Lahore



B.SC (HONS.) MEDICAL IMAGING TECHNOLOGY

The School of Allied
Health Sciences



B.SC. (HONS.) MEDICAL IMAGING TECHNOLOGY

Aims and Objectives of the Course

- The SAHS offers a four-year full time B.Sc, (Hons,) degree programme in Medical Imaging Technology. The primary aims of this programme are to produce practitioners who are competent to deliver highest quality of health care by incorporating scientific advance into their own practice, and who are eager to continue their learning throughout their professional lives.
- With the increasing use of diagnostic medical imaging on a day-to-day basis it is important that young doctors have more than just a clinical knowledge of these techniques. This programme combines the clinical applications with training in the underlying science and technology of image formation in several diagnostic techniques; it combines the key themes of understanding how medical images are formed and appreciating what images reveal in the clinical context.

What Is Medical Imaging Technology?

The B.Sc. (Hons.) in Medical Imaging Technology will offer students an introduction to diagnostic medical imaging alongside the teaching of standard academic skills, which are important to all medical careers.

The medical imaging technologist is an important member of the healthcare team. In healthy patients, certain imaging tests are performed during routine health checkups to confirm good health or to diagnose early signs of disease. In sick patients, the medical imaging technologist performs procedures that help in making the diagnosis and in deciding the treatment. Modern diagnostic radiography forms an integral part of medical practice, both in making diagnosis and in treatment. The purpose of this degree programme is to enable you to comprehend the various principles and techniques that underpin diagnostic medical imaging and to use them in a safe way to the greater benefit of the patient.

Course Outcome

Although the day-to-day work of a Medical Imaging Technologists involves plain film X-ray images, they may also specialize in techniques such as ultrasound (US), computerized tomography (CT), radionuclide imaging (also known as Nuclear Medicine) or magnetic resonance imaging (MRIS). MIT's also use a range of radiopaque 'dyes' or contrast agents to demonstrate soft tissue organs such as the arteries (angiogram), bowel (barium studies) and kidneys (Intra-Venous Urogram) which would not normally show up on a standard X-ray examination.





Radiology and Cardiology Department of CH & ICH

The department of Diagnostic Radiology and Interventional Cardiology is staffed by highly qualified Consultants, Technologists and Paramedical staff. Every member in the department is highly motivated to the patient care.

The Radiology department comprises of the facilities of Computed Radiography, Fluoroscopy with conventional and specialized contrast studies, gray scale & color Doppler Ultrasonography, Siemens' Multislice volume zoom Computed Tomography, Philips 1.5 T superconducting MRI system and the Cardiology is equipped with latest state of art flat pane angiography system, Color Doppler echocardiography including routine 3D option ETT machine Hotler monitor and routine ECG machine. It is the busiest pediatric cardiac program in the country with over 300 cardiac catheterization, over 700 echocardiography and thousands of echo's being done per year.

Career

Diagnostic Radiology offers a range of career opportunities in hospitals and other clinical settings, with the opportunity to progress towards clinical specialization, management, teaching and research.

Course Content

The programme integrates academic studies with clinical experience within professional studies. These are incorporated through all four years of study. A strong science theme runs throughout the programme.



Course Scheme

The training is spread over four years with a specific component for each year of training.

First Year	Second Year	Third Year	Final Year
Theoretical Component: 1. Basic Anatomy & Basic Physiology 2. Basic Pathology & Biochemistry 3. Behavioral Science & Computer Science 4. Islamiyat / Ethics & Pakistan Studies	Theoretical Component: 1. Regional and Imaging Anatomy 2. Radiation Science for Technologist 3. General Radiology 4. Medicine 5. Pharmacology 6. Biostatistics	Theoretical Component: 1. Angiography & Cardiac Imaging 2. Mammography and special Radiological Technique 3. Ultrasound & Echo cardiography 4. Nuclear Medicine 5. Surgery	Theoretical Component: 1. Computed Tomography 2. Magnetic Resonance Imaging 3. Medical Sociology 4. Research Method & Project
Practical Component: Practical training in the subject of MIT	Practical Component: Hands-on Training in Radiology department	Practical Component: Hands-on rotational training in laboratory techniques in above mentioned disciplines.	Practical Component: Advanced training related to subjects Research assignments related to subjects

Clinical Placements

Placements take place within an imaging department in one of the region's teaching hospitals. There is the opportunity to spend time in other departments to broaden your experience and observe specialized techniques and procedures. There are approximately 10 hospitals spread across the Lahore, in which you may be placed.

Punjab Institute of Cardiology, LGH, Mayo Hospital, Gulab Devi Hospital, INMOL, Sheikh Zayed Hospital, Jinnah Hospital and Ganga Ram Hospital.



B.SC (HONS.) MEDICAL LABORATORY TECHNOLOGY

The School of Allied
Health Sciences



B.Sc (HONS.) MEDICAL LABORATORY TECHNOLOGY

Aims and Objectives of the Course

- The aim of the programme in Medical Laboratory Technology is to equip the students with relevant professional knowledge, skills, techniques and ethical values to enable them to apply their acquired expertise at level between the doctors and the patient for efficient health service delivery.
- To develop accuracy and meticulousness to attain high levels of ethics and technical proficiency.
- To assess the technical and non technical skills in a standardized and reproducible environment.
- To develop and analyze innovative strategies for effective communication with the patients.

Who is a Medical Laboratory Technologist?

Medical Laboratory Technologists perform chemical or visual analysis of specimens taken from body fluids to identify, quantify, verify, and report the presence or absence of chemicals micro-organisms, proteins, other substances, and the description of cellular elements, in both the clinical laboratory and the industrial sector.

Personal attributes for medical technologists should include manual dexterity, a strong sense of responsibility, the ability to work with others and attentiveness to details. If you enjoy medical science, then a career in medical laboratory technology is perfect for you. The purpose of this course is producing lab technologists to meet the requirements of professionals in this field.

The Department of Pathology

The Children's Hospital has a well established and organized pathology department with a dedicated, skilled and highly trained staff including specialist consultants, medical officers, lab technologist and technicians.

Histopathology Department

Histopathology Department is offering full range of services and is equipped with highly sophisticated state of the art equipment. Histopathology of biopsies like Gastric, Jejunal, Rectal, Liver, Renal and Lymph Nodes etc. is done.



Cytology of CSF, pleural, pericardial, synovial and ascetic fluid is performed. Ultrasound guided FNA of deep-seated masses in Thorax, Mediastinum & Abdomen is done. Intra Operative FNA, Touch Imprints, Frozen, Section, Special Stains like PAS etc are also done. Immunohistochemistry, a test used to further subtype the tumors, is also being performed. CH & ICH is the only public sector hospital where these tests are being done. Histopathology department is also recognized for postgraduate training programmes like M. Phil and FCPS in histopathology. The department also has a histopathology museum containing a large number of pediatric surgical specimens.

Microbiology Department

The Microbiology Department is well equipped with the latest instruments to perform various tests. Culture and sensitivity tests are routinely performed in all CSF, blood, urine, stool, pus swabs and other facilities for fungal, mycobacterial and anaerobic cultures are also available. Complete physical and microscopic examinations of urine, stools, CSF, and other body fluids are performed.

Hematology Department

In Hematology Department, Hematology Analyzer Lab, Microscopy Lab, Biochemical Hematology Lab, Blood Staining Lab, Co-agulation & Haemostasis Lab, Bank Lab, Thalasemia, Hemophilia Clinics are the facilities provided.

Chemical Pathology Department

The chemical pathology section is performing various biochemical tests on highly sophisticated and fully automated chemistry analyzer.

Immunology Department

The Department of the Immunology apart from routine serology is providing many specialized services such as anti-Gliadin antibodies, anti-tissue transglutaminase antibodies, complete work up for autoimmune disorders including immunofluorescent staining for ANA and work up for immunodeficiency.



Department of Pediatric Genetics

The Department of Pediatric Genetics offers comprehensive services for the diagnosis and counseling of patients with genetic disorders. Pediatric Genetics Department consists of Cytogenetics laboratory, Molecular Genetics laboratory and Genetic Counseling clinic.



Career

The medical laboratory is an industry now. We are highly short of specialized persons in this field. The graduate will serve in multiple settings like hospitals, laboratories, clinics and in the research organization.

Course Scheme

The training is spread over four years with a specific component for each year of training.

First Year	Second Year	Third Year	Final Year
Theoretical Component: 1. Basic Anatomy & Basic Physiology 2. Basic Pathology & Biochemistry 3. Behavioral Science & Computer Science 4. Islamiyat / Ethics & Pakistan Studies	Theoretical Component: 1. Haematology and Blood Banking 2. Histotechnology & Cytotechnology	Theoretical Component: 1. Microbiology including parasitology 2. Chemical Pathology 3. Immunology and Serology	Theoretical Component: A. Elective Subject i. Immuno-hematology ii. Advanced Clinical Chemistry iii. Clinical Microbiology iv. Advanced Clinical Immunology v. Medical Genetics vi. Molecular Biology B. Biostatistics & Research Methodology
Practical Component: Hands-on Training in basic techniques of the Discipline	Practical Component: Hands-on Training in Pathology department	Practical Component: Hands-on rotational training in laboratory techniques in above mentioned disciplines.	Practical Component: Advanced lab training related to elective subjects Research assignments related to elective subjects



B.SC (HONS.) DENTAL TECHNOLOGY

**The School of Allied
Health Sciences**



B.Sc. (HONS.) DENTAL TECHNOLOGY

Aims and Objectives of the Course

- The aim of the programme in Dental Technology is to equip the students with relevant professional knowledge, skills, techniques and ethical values to enable them to apply their acquired expertise at level between the doctors and the patient for efficient health service delivery.
- To understand the major oral health problems of a community and to describe the role of a dental technologist in health care settings.
- Recommend and design the dental structures and the dental accessories for a patient and demonstrating the acquisition or update of dental health knowledge and skills relevant to their dental practice.
- Work as assistants to dental surgeons for dental surgeries, understanding their own limitations when carrying out advanced procedures.

What is Dental Technology?

Dental Technology is the therapeutic science which involves accuracy and meticulousness to attain high levels of ethics and technical proficiency and to assess the technical and non technical skills in a standardized and reproducible environment. It strengthens the decision power and exercise appropriate judgment skills, to be applied especially during crises develops good leadership, problem solving and administrative skills and analyze innovative strategies for effective communications with the patients and health care personals. It demonstrates interdisciplinary team building strategies for effective co-ordination between various Allied Health Disciplines, understanding of the basic concepts of professional behavior and legal implications of the work environment, the knowledge of his/her role in health care delivery system and to





establish and maintain continuing education as a function of growth and maintenance of professional competence.

The Dental Department

Dental department is rendering all types of services to the general public. It includes general dentistry, orthodontics, cleft centre and surgery. In orthodontics patients are being treated for malaligned teeth as well as interceptive orthodontics. This is also a centre for cleft patients which are being treated in collaboration with other departments. General surgery list is going on handicapped, mentally retarded or very young patients. In addition to those fractures, tumors, ankylosis etc. patients are also being operated and post operatively managed

Community based health program. Lectures on prevention and oral hygiene are also delivered everyday to the patients and their parents in their best interest. Brochures for oral hygiene instructions are also given for same purpose.

Career

The graduates of dental technology are highly in demand all over the country and outside Pakistan. They can be employed in variety of setting like hospitals, dental laboratories, dental manufacturers and dental clinics etc.



Course Scheme

The training is spread over four years with a specific component for each year of training.

First Year	Second Year	Third Year	Final Year
Theoretical Component: <ol style="list-style-type: none"> 1. Basic Anatomy & Basic Physiology 2. Basic Pathology & Biochemistry 3. Behavioral Science & Computer Science 4. Islamiyat / Ethics & Pakistan Studies 	Theoretical Component: <ol style="list-style-type: none"> 1. Specialized Anatomy and Tooth Morphology 2. Oral Pathology and Microbiology 3. Science of Dental Materials 4. Periodontology and Preventive Dentistry 	Theoretical Component: <ol style="list-style-type: none"> 1. Prosthodontics I 2. Operative Dentistry I 3. Maxillofacial Prosthodontics 4. Orthodontics I 	Theoretical Component: <ol style="list-style-type: none"> 1. Prosthodontics II 2. Operative Dentistry II 3. Orthodontics II 4. Medical Statistics and Research Methods
Practical Component: <p>Hands-on Training in basic techniques of the discipline</p>	Practical Component: <p>Hands-on Training in the department</p>	Practical Component: <p>Hands-on rotational training in techniques in above mentioned disciplines.</p>	Practical Component: <ol style="list-style-type: none"> 1. Advanced training related to subjects Research 2. Assignments related to subjects



B.SC (HONS.) OCCUPATIONAL THERAPY

The School of Allied
Health Sciences



B.Sc. (HONS.) OCCUPATIONAL THERAPY

Aims and Objectives of the Course

- The aim of the programme in Occupational Therapy is to equip the students with relevant professional knowledge, skills, techniques and ethical values to enable them to apply their acquired expertise at level between the doctors and the patient for efficient health service delivery.
- To provide at an undergraduate level, education and clinical / professional training which. Involves research and clinical practice
 - (ii) Uses a variety of teaching and learning methods including self - directed learning.
 - (iii) Integrates the development of theoretical knowledge with clinical skills across a wide range of patients.
- To provide opportunities for self monitoring and personal development for the formation of reflective practitioners. To produce professionals who are capable of applying theoretical knowledge to the diagnostic, therapeutic, educative and technical roles of the Occupational Therapists within the healthcare, educational and social welfare sectors.

What is Occupational Therapy?

Occupational Therapy is a therapeutic science that aims to maximize an individual's independence in every day activities, such as feeding, dressing, toileting, play and writing. An occupational therapist deals with patients having fine motor and neuro-developmental problems i.e. cerebral palsy, stroke, balance & posture problems, learning disorders and attention deficit hyperactive disorder, Global developmental delay and Sensory motor dysfunctions They pay particular attention to hand and eye coordination perception and manipulative skills and how to develop these in order that the child reaches its full potential. The occupational therapist work with specialized equipment for rehabilitation of individuals by administering therapeutic techniques.



Department of Developmental Paediatrics

Occupational Therapy is an integral part of Developmental Paediatrics Services. Developmental Paediatrics is a branch of Paediatrics, which deals with assessment and monitoring of growth and developmental functioning of normal children and children with special needs. This department has a specially designed outpatients and a 40 bedded ward. It looks after patients with Cerebral Palsy, various syndromes including Fragile X, Down's syndrome, Behaviour disorders like attention Deficit Hyperactive Disorder: (AD/HD) & Autism Spectrum Disorder (ASD), Speech disorders, Learning disorders and other non-specific delays. Multidisciplinary approach is the hallmark of our department and all Allied Health Professionals work in close liaison with each other and doctors inside as well as outside the department. The developmental team consists of Professor Developmental Pediatrics, Developmental Paeds Doctors, Speech and Language Pathologists, Clinical Psychologists, Occupational Therapists & Assistants, Special Needs Educationists & Assistants, Developmental Therapists & Assistants, Sensory Therapists & Assistants, Staff Nurses and Computer Operator & Coordinator.

A 40 bedded Developmental Paediatrics Special Children Ward is dedicated for Special Children with acute infections like diarrhoea, chest infections, seizures, fever, malnutrition and feeding problems. Motor problems and difficulties in independent functioning of the admitted ward patients and from outside the ward are looked after by the Occupational Therapists. We are a tertiary referred centre and receive children from all over Punjab. On average 190-200 children are seen daily. First time in the history of Punjab BPS-17 posts have been approved for Occupational Therapists for our department in the The Children's Hospital This along with the B.S.C (Hons) course is going to be a revolutionary move in the field of rehabilitation sciences in Punjab.

Career

The country is much short of occupational therapists. A qualified graduate can be employed in a variety of clinical settings like: hospitals, special schools, rehabilitation centers, special care units, nursing homes & NGOs.



Course Scheme

The training is spread over four years with a specific component for each year of training.

First Year	Second Year	Third Year	Final Year
Theoretical Component: 1. Basic Anatomy & Basic Physiology 2. Basic Pathology & Biochemistry 3. Behavioral Science & Computer Science 4. Islamiyat / Ethics & Pakistan Studies	Theoretical Component: 1. Kinesiology 2. Psychiatry, Developmental Paediatrics & Psychology 3. Medical and Allied	Theoretical Component: 1. Surgical and Allied 2. Occupational, Physical & Developmental Theory & Therapy I	Theoretical Component: 1. Occupational, Physical & Developmental Theory & Therapy II 2. Medical Statistics and Research
Practical Component: Practical training in occupational therapy.	Practical Component: Practical training in occupational therapy.	Practical Component: Practical training by rotation in different sections of occupational therapy and related fields.	Practical Component: Practical advanced training in the specialty of interest.

Clinical Attachments

Pakistan Society for Rehabilitation of Disabled & Rising Sun Institute Lahore.



B.SC (HONS.) SPEECH AND LANGUAGE PATHOLOGY

The School of Allied
Health Sciences



B.Sc. (Hons.) SPEECH AND LANGUAGE PATHOLOGY

Aims and Objectives of the Course

- The aim of the 4 years degree programme in Speech and Language Pathology is to equip the students with relevant professional knowledge, skills, techniques and ethical values to enable them to apply their acquired expertise at level between the doctors and the patient for efficient health service delivery.
- To develop student learning and academic skills over four years thereby promoting continuing professional development and lifelong learning.
- To enable students to meet the requirements of the relevant professional and statutory bodies.
- To foster the development of professional knowledge and clinical skills across a wide range of patients presenting communication difficulties and to meet the clinical placement requirements of different hospitals.

What is Speech and Language Pathology?

Speech and language development is a major area in the personality development of an individual. Speech and language Pathology is a science which deals with the assessment and management of different speech, language and communication disorders like speech delays, articulation problems, stammering speech, voice disorders aphasia, dysphasia, and hearing impairment. Speech and Language pathologist is an important team member in dealing with patients having developmental delays, feeding and swallowing difficulties, cleft palates, stroke patients and laryngectomised patients.

It is a great honor and pride for the School of Allied Health Sciences at The Children Hospital and Institute of Child Health Lahore to start this course in Punjab under the auspicious affiliation of The University of Health Sciences, Lahore.



The Department of Developmental Pediatrics

Speech and language Pathology is an integral part of Developmental Pediatrics Services. Developmental Pediatrics is a branch of pediatrics, which deals with assessment and monitoring of growth and developmental functioning of normal children and children with special needs. This department has a specially designed outpatients and a 40 bedded ward. It looks after patients with Cerebral Palsy, various syndromes including Fragile X, Down's syndrome, behavior disorders like Attention Deficit Hyperactive Disorder (AD/HD) & Autism Spectrum Disorder (ASD), speech disorders, learning disorders and other non-specific delays. Multidisciplinary approach is the hallmark of our department and all Allied Health Professionals work in close liaison with each and doctors within as well as outside the department. The developmental team consists of Professor Developmental Pediatrics, Developmental Peads Doctors, Speech and Language Pathologists, Clinical Psychologists, Special Needs Educationists & Assistants, Developmental Therapists & Assistants, Sensory Therapists & Assistants, Occupational Therapists & Assistants, Staff Nurses, Computer Operator & Coordinator. A 40 bedded Developmental Pediatrics Special Children Ward is dedicated for Special Children with acute infections like diarrhoea, chest infections, seizures, fever, malnutrition and feeding problems. Feeding problems of the ward patients and from outside the ward are looked after by the Speech and Language Pathologists in close liaison with dietician and doctors.

We are a tertiary referral centre and receive children from all over Punjab. On average 180-200 children are seen daily out of which about 40-50 are seen by the speech therapists and the need continues. Students, internees and teachers of different schools and colleges come to the department for observation in this much demanding and futuristic field.

Career

Career as a speech & language pathologist is very challenging. The country is acutely short of this specialty and the graduates are in high demand. They can serve in hospitals, clinics, rehab centers, special schools, nursing homes & NGOs.



Course Scheme

The training is spread over four years with a specific component for each year of training.

First Year	Second Year	Third Year	Final Year
Theoretical Component: <ol style="list-style-type: none"> 1. Basic Anatomy & Basic Physiology 2. Phonology & Phonetics 3. Developmental Paeds, Human Psychology and Behavioral Science 4. Linguistics 5. Islamiyat / Ethics and Pakistan studies 	Theoretical Component: <ol style="list-style-type: none"> 1. Medical and Surgical 2. Clinical Linguistics & Clinical Phonology 3. Psychiatry & Developmental Paediatrics 4. Speech & Language Disorders and Management I 	Theoretical Component: <ol style="list-style-type: none"> 1. Fluency, Voice & Resonance Disorders 2. Audiology Speech Rehabilitation 3. Speech & language Rehabilitation and Developmental Rehabilitation 4. Speech & Language Disorders and Management II 	Theoretical Component: <ol style="list-style-type: none"> 1. Biostatistics & Computer Education 2. Professional & Ethical Aspects of Speech Therapy 3. Research (Evaluation of Research report and viva)
Practical Component: Practical training in speech therapy.	Practical Component: Practical training in speech therapy.	Practical Component: Practical training by rotation in different sections of speech therapy and related fields.	Practical Component: Practical advanced training in the specialty of interest.

Clinical Attachments

Shaikh Zayed Hospital, Mayo Hospital Lahore.



B.SC (HONS.) OPERATION THEATRE TECHNOLOGY

The School of Allied
Health Sciences



B.Sc. (Hons.) OPERATION THEATRE TECHNOLOGY

Aims and Objectives of the Course

The four years B.Sc. (Hons) in Operation Theater Technology program has been designed for meeting the demand and growing needs of experts in the field of Operation Theater. It includes operation theatre management, medical ethics, anesthesia technology, post operation care, central sterile supply department.

Who is an Operation Theatre Technologist?

Operation theatre technologist is a vital part of multidisciplinary operation theatre team. Main concern of an operation theatre technologist is the maintenance, restoration of physiological and physical status of patients. They are presents at all levels of dependency through assessment, planning and delivery of individualised care of patients.

Role of Operation Theatre Technologist

The Operation Theater Technologist are responsible for direct and indirect patient care, equipment set up and operation procedures. They are trained to assist the surgeons during the procedures and assume responsibility for completion of other functions assigned to them.

Operating Theater Technologist ensure that every single procedure in the operation theatre is as safe and successful as possible. Their primary duty is to take care of all the work and management of the operation theatre, which includes looking after all the surgical instruments, their sterilization, and arrangement of operation theatre table, dressing table, instrument table as well as anesthesia table. They also look after the drugs required for surgery, anesthetic gases, drapes all the linen and their sterilization. They assemble both sterile & non-sterile equipment, at the same time adjust them to make sure that all are working properly.





Skills Needed

Apart from the basic educational qualification, excellent clinical, communication and behavioral skills are required for Operation Theater technologists. An eye for detail, accuracy and critical thinking is a must. Team work is necessary as this job requires the individual to work in collaboration with other healthcare providers. Other prerequisites required are optimistic attitude, compassion, high levels of patience and commitment. They must have the ability to work under minimal supervision, erratic shifts, long hours and must remain alert during operations. Operation Theater Technologist must also have excellent dexterity to handle numerous instruments in intricate ways.

Career

Hospitals are the primary employers of operation theatre technologists. They work in the operation theatres, ICUs and emergency departments of hospitals. Openings are available in the areas of instrument industry, newer technologies, centre sterile supply department, transplant teams, orthopedic clinics, gynecology sections, cancer units and special care baby units. They also contribute in the field of research, education and training. Moreover, they impart their services to physicians who perform outpatient surgery.



Course Scheme

First Year	Second Year	Third Year	Final Year
Theoretical Component: 1. Basic Anatomy & Basic Physiology 2. Basic Pathology & Biochemistry 3. Behavioral Science & Computer Science 4. Islamiyat / Ethics & Pakistan Studies	Theoretical Component: 1. Physics 2. Microbiology and Pharmacology	Theoretical Component: 1. Sterilization and Disinfection 2. Operation Theatre Instruments and Equipments 3. Operation Theatre Technology I	Theoretical Component: 1. Operation Theatre Technology II 2. Medical Statistics & Research Methods
Practical Component: Hands-on Training in basic techniques of the discipline.	Practical Component: Hands-on Training in surgery department.	Practical Component: Hand-on rotational training in specialized techniques in above mentioned disciplines.	Practical Component: Practical advanced training in surgical and allied specialties in operating theater techniques.

Clinical Attachments

Lahore General Hospital.

