



# THE UNIVERSITY OF CHILD HEALTH SCIENCES (SCHOOL OF ALLIED HEALTH SCIENCES)

# PROSPECTUS 2024-2025







### DISCLAIMER

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#### Facilities to students

- o SAHS Computer Lab
- SAHS Library/ UCHS Library
- o Anatomy Museum

#### Societies/ Committees of SAHS

- Qirat &Naat
- Debating
- o Dramatics
- Sports
- o Magazine
- o Event management

#### Other Curricular Activities

- Convocation
- o Scientific Exhibition
- o 1stUCHSAllied Health Conference:
- o BLS workshop

**Important Contacts** 

# Message of The Vice Chancellor, UCHS

PROF MASOOD SADIQ Tamgha-e-Imtiaz

Founding Vice Chancellor



It gives me an immense pleasure to be associated with the University of Child Health Sciences, the first of its kind in the world. The concept of this university focused on child health is unique and whilst we are a budding University, our mission is to establish a center of excellence in the field of child health. We are building upon our vision of a professionally focused institution providing integrity, compassion, intellectual freedom to our students who we believe are the future leaders in this field.

The Children's Hospital, a constituent hospital of the university is one of the largest hospital on the globe providing specialized facilities to children referred from all over the country. Our aim 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. The Children's Hospital was the 1<sup>st</sup> public sector institution to start professional degree courses in various Allied Health Disciplines, like Doctor of Physical Therapy and B.Sc. (Hons) in Medical Imaging Technology, Medical Laboratory Technology, Dental Technology, Speech & Language Pathology, Occupational Therapy, and Operation Theater Technology

This year, under the umbrella of the University of Child Health Sciences, we are increasing our prospects byintroducing five new B.Sc. (Hons) Allied Health Programs in Human Nutrition & Dietetics, Anesthesia Technology, Neurophysiology, Clinical Psychology and Cardiac Perfusion Sciences. We have the best infrastructure, faculty, clinical material, research opportunities and prospects of a brilliant future prospect with a well-developed curriculum and conducive teaching and training environment.

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

## **Message of the Principal**

Prof. Dr. Samina Zaman



Allied health professionals play a vital role in health care management along with doctors and nurses. Founded in the year 2000 as first ever school in Punjab, The School of Allied Health Sciences (SAHS) quickly established itself as a leading Allied Health Center. Initially 03-years BSc degree courses were offered in three disciplines. All BSc degree courses were upgraded to 4-yers BSc (Hons) along with four new courses introduced in 2008 among which Physiotherapy became Doctor of Physiotherapy (DPT) in 2012. This time School of Allied Health Sciences is offering 12 BSc (Hons) courses under the University of Child Health Sciences (UCHS), Lahore.

We are committed to the development of students through dissemination of knowledge. It seeks to prepare individuals for constructive and exemplary leadership roles in their fields.

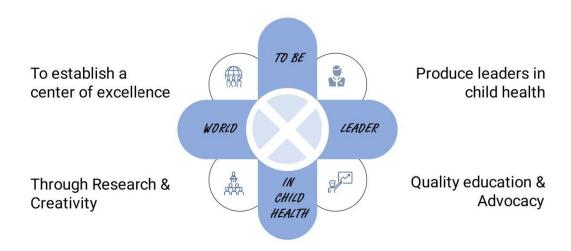
We have experienced faculty, fully equipped classrooms and state of the art Teaching Hospital. We pride ourselves in producing dynamic professionals. During the past 23-years, our students have obtained distinctions and bagged top honors in their examinations. Our aim is to maintain this strong legacy by imparting practical learning experiences. All the students are provided with support and extracurricular activities to enhance their wellness.

I pray to Almighty to bestow His blessings to the young aspirants on journey of success in future.

#### **VISION & MISSION**

**Vision:** To be world leader in child health

**Mission statement:** To establish a center of excellence and produce leaders in child health through research, creativity, quality education and advocacy.



#### Values:

- 1. *Integrity:* Commitment to the highest ethical standards in personal and professional conduct, along with a dedication to transparency and accountability in governance.
- 2. Compassion: Emphasis on enhancing working conditions and personal development.
- 3. Intellectual Freedom: Promoting creative thinking and innovative solutions.
- 4. *Inclusion:* Offer equal opportunities for all in an environment where everyone feels safe and supported. Cultivate a culture that embraces diverse backgrounds.
- 5. *Collaboration:* Effective communication and collaboration across disciplines and within the community.

#### **ABOUT THE UNIVERSITY**

The University of Child Health Sciences (UCHS) is a pioneering institution with the vision of becoming a global leader in child health. Established against the backdrop of Pakistan's high population growth rate (2%) and the fact that children make up 47.8% of the total population (Census 2017), the university aims to address critical health challenges. Pakistan faces alarming neonatal mortality rates (40/1000 live births), with one-third of children underweight, 44% stunted, 15% wasted, and half anemic. The scarcity of trained professionals in child health, including pediatricians, super-specialists, surgeons, nurses, and allied health professionals, further compounds the issue.

The College of Physicians & Surgeons Pakistan (CPSP) and existing medical universities in Punjab are insufficient to meet the growing demand for pediatric super-specialties. The absence of a dedicated institution at the national or provincial level for child health training further exacerbates the situation. Chartered by the Punjab Provincial Assembly in July 2021 and already accredited by the Higher Education Commission Pakistan, UCHS operates in collaboration with the Children's Hospital Lahore, one of the world's largest pediatric hospitals.

UCHS, comprising three colleges and four constituent institutes, aims to be a focal point for policy-making, preventive strategies, teaching, and comprehensive training across all areas of child health care delivery. It envisions becoming a center of excellence for indigenous research, quality education, and leadership development in child health. The university's emphasis on research, state-of-the-art facilities, and an international faculty is expected to set a benchmark for other institutions and significantly impact child health in Pakistan.

The institution aligns with the National Health Program's objectives by providing trained human resources across various child health care roles. Additionally, UCHS will be responsible for continuing medical education, professional development, advocacy, public awareness programs, and collaboration with national and international organizations, universities, and institutions. As the Government of Punjab builds mother and child hospitals across the province, UCHS plans to affiliate with these institutions, offering guidance, human resources, and facilitating efficient project implementation. This collaborative approach is poised to enhance training, facilitate exchanges, and conduct examinations throughout the province, contributing significantly to child health care in Pakistan.

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

#### **ADMINISTRATIVE SETUP**

#### UNIVERSITY OF CHILD HEALTH SCIENCES LAHORE

Prof. Dr. Masood Sadiq Vice Chancellor Prof. Dr. Junaid Rashid Pro-Vice Chancellor

Prof. Dr. Nabila Tallat Registrar

Prof. Dr. Tippu Sultan Medical director

Prof. Dr. Abid Ali Qureshi Controller of Examinations

Ms. Tehreem Rafagat Treasurer



#### THE SCHOOL OF ALLIED HEALTH SCIENCES UCHS LAHORE

Prof. Dr. Samina Zaman	Principal
Mr. Attiq ur Rehman	Vice Principal (SAHS)

**Conveners:** 

■ Prof. Dr. Junaid Rashid BSc. (Hons) Human Nutrition & Dietetics

Prof. Dr. Tipu Sultan
 BSc. (Hons) Neurophysiology

Prof. Dr. Samina Zaman
 Prof. Dr. Abid Ali Qureshi
 Prof. Dr. Saeedah Asaf
 Dr. Ayesha Ashraf
 Miss Fareeha latif
 BSc. (Hons) Medical Imaging Technology
 BSc. (Hons) Anesthesia Technology
 BSc. (Hons) Dental Technology
 BSc. (Hons) Clinical Psychology

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■ Dr. Salman Shah BSc. (Hons) Cardiac Perfusion Sciences

Dr. Hafiz Mahmood Ahmad
 Dr. Hina Azhar
 BSc. (Hons) Operation Theatre Technology
 BSc. (Hons) Speech & Language Pathology

■ Dr. Aisha Farid **BSc. (Hons) Occupational Therapy** 

## **Faculty List**

Rubab Zahra	Coordinator (Operation Theatre Technology
Mehreen Fatima	Coordinator (Medical Imaging Technology)
Dr. Marvi Sehar	Coordinator (Speech and Language Pathology)
Dr. Iqra Iqbal	Demonstrator (Physiology)
Dr Sarah Khan (PT)	Coordinator DPT
Dr Aroosha Abrar (PT)	Coordinator 2 <sup>nd</sup> semester
Dr. M. Nuaman Sharif	HEC (IPFP Fellowship)
Faiza Yousaf	Coordinator (Occupational Therapy)
Dr Muhammad Abdul Rehman Afzal	Coordinator( Anesthesia Technology)
Azhar Iqbal	Coordinator( Cardiac Perfusion)
Noor Ul Ain	Coordinator (Clinical Psychology)
Dr Asna Zahid	Coordinator (Human Nutrition and Dietician)
Dr Shumaila Rafique	Coordinator( Neurophysiology)
Fakhar un Nisa	Coordinator (Dental Technology)
Munawar Ghous	Biostatistician
Mazhar Iqbal Noor	Incharge I.T



## **Support Staff**

- Niaz Hussain
- Naheed Awan
- ➤ Ghazala Hanif
- ➤ AmnaArshad
- > ShahinaYousuf
- > Maroof
- ➤ Anila Ameer
- > Surriya
- Munazza Ambreen
- Naseerud din
- ➤ Muhammad Imran
- ➤ AbidaPerveen
- ➤ Kiran Irfan



## **ADMISSION INFORMATION AND GENERAL GUIDELINES**

## NO. OF SEATS

The discipline-wise number of seats are mentioned below:

S.No.	Courses	No. of Seats	Foreign	Total
5.110.	Courses	Open Merit	Seats	Seats
1	Doctor of Physical Therapy	20	2	22
2	B.Sc (Hons) Medical Imaging Technology	25	2	27
3	B.Sc (Hons) Medical Laboratory Technology	30	2	32
4	B.Sc (Hons) Dental Technology	12	1	13
5	B.Sc (Hons) Speech & Language Pathology	12	1	13
6	B.Sc (Hons) Occupational Therapy	12	1	13
7	B.Sc (Hons) Operation Theatre Technology	10	1	11
8	B.Sc (Hons) Anaesthesia Technology	10	1	11
9	B.Sc (Hons) Cardic Perfusion	5	1	6
10	B.Sc (Hons) Clinical Psychology	10	1	11
11	B.Sc (Hons) Neurophysiology	5	1	6
12	B.Sc (Hons) Human Nutrition & Dietetics	20	2	22
	SUB-TOTAL	171	16	187
Reserv	ed Seats for AJK,G.B and Other Provinces of	5	_	5
Pakista	in (one for each)*	3	-	3
Reserv	ed Seats for Disabled Quota 1% *	2	-	2
	GRAND TOTAL	178	16	194

The allocation of Disciplines for reserved seats of other provinces and disabled quota will be determined as per merit and availability of seats.

#### **ELIGIBILITY CRITERIA FOR OPEN MERIT SEATS**

- a. Matriculation or equivalent securing a minimum of 60% marks.
- b. FSc (Pre-Medical) or equivalent securing a minimum of 60% marks.
- c. Only Punjab domicile can apply for AHS Programs on open merit seats.

#### ELIGIBILITY CRITERIA FOR FOREIGN STUDENTS

Pakistani nationals, who have completed and passed the HSSC 12th-grade (Pre-Medical) examination or its equivalent outside Pakistan must submit an equivalence certificate for FSC (Pre-Medical) issued by the Inter Board Committee of Chairmen (IBCC) Pakistan to be eligible for admission to these programs.

# ELIGIBILITY CRITERIA OF RESERVED SEATS FOR AJK,G.B AND OTHER PROVINCES OF PAKISTAN

- a) Matriculation or equivalent securing a minimum of 60% marks
- b) FSc (Pre-Medical) or equivalent securing a minimum of 60% marks.

#### ELIGIBILITY CRITERIA FOR DISABLED QUOTA

The candidates must have fulfilled the basic criteria for admissions against Disabled Quota. The candidate shall have to attach certificate from a government certified specialist about the nature of his/her disability. Such certificate will only make him/her eligible to apply against the Disabled Quota.

A medical board constituted by the Vice Chancellor shall make final decision about the eligibility of the candidate for admission against the reserved seat and his/her discipline, as per government policy.

#### **MERIT FORMULA**

The merit formula for all seats is as under

1.	F.Sc. (Pre-Medical)/ HSSC/ Equivalent	90% weightage
2.	Matriculation/ SSCI Equivalent	10% weightage

#### **HAFIZ-E-QURAN MARKS**

The marks for Hifz-e-Quran shall not be granted for admission at University of Child Health Sciences Lahore in the light of PM&DC Medical and Dental Undergraduate Education (Admissions, Curriculum and Conduct) Policy and Regulations 2023 and the decision of six membered Bench vide Order dated 04.04.2023 in Suo-Moto case.

#### **MODE OF APPLICATIONS**

The University of Child Health Sciences will receive applications for admissions through its online portal. Applicants can apply for all courses by indicating their admission preferences. The admission processing fee will be Rs. 1000/- for one course. However, those wishing to apply for more than one course will need to pay an additional Rs. 500/- for each additional course. The admission processing fee challan will be automatically generated on the admission portal.

Applicants will have the option to amend their application or change their admission preferences until the final submission. Once the admission form is submitted by the students through the admission portal, it will not be editable. However, the admission officer can make necessary changes after receiving a written application from applicants with the approval of the competent authority until the last date of submission.

#### **ADMISSIONS**

The selected Candidates shall deposit college fee in any branch of Bank of Punjab Pakistan. In case of failure to deposit the prescribed admission fee within stipulated time period, such candidates shall have no vested right of admission in that year.

Only those candidates shall be considered as admitted candidates who will join the program by depositing the prescribed fee and other dues by due date.

### **ANNUAL FEE / DUES**

FOR ALL B.SC (HONS) PROGRAMS

		AN	MOUNT
S.NO.	PARTICULAR	1st Year	2 <sup>nd</sup> -3 <sup>rd</sup> & 4 <sup>th</sup> Year (Per Year)
1	Admission Fee (once)	10,000	-
2	Tuition Fee	55,000	55,000
3	Registration Fee (once)	5,000	-
4	Continued Medical Education Fund	3,000	3,000
5	Extra-Curricular / Sports Fund	2,000	2,000
6	Magazine Fund	1,000	1,000
7	Computer Lab / Laboratory Fund	2,000	2,000
8	Examination Fee	8,750	8,750
9	Welfare Fund	1,000	1,000
10	Library Fund	1,000	1,000
	TOTAL	88,750	73,750

#### FOR DOCTOR OF PHYSICAL THERAPY

		AMO	OUNT
S.NO.	PARTICULAR	1 <sup>st</sup> Year	2 <sup>nd</sup> -3 <sup>rd</sup> -4 <sup>th</sup> & 5 <sup>th</sup> Year (Per Year)
1	Admission Fee (once)	10,000	-
2	Tuition Fee	91,080	91,080
3	Registration Fee (once)	5,000	-
4	Continued Medical Education Fund	3,000	3,000
5	Extra-Curricular / Sports Fund	2,000	2,000
6	Magazine Fund	1,000	1,000
7	Computer Lab / Laboratory Fund	2,000	2,000
8	Examination Fee	8,750	8,750
9	Welfare Fund	1,000	1,000
10	Library Fund	1,000	1,000
	TOTAL	124,830	109,830

#### ANNUAL DUES FOR FOREIGN / SELF FINANCE SEATS

S.No.	Description	Amount (PKR)
1	Admission Fee	Rs. 10,000/-
2	Tuition Fee and Funds US \$ 1000/- @ 278.20 ( current exchange rate)	Rs. 278,200/-

- The registration fee and examination fee will be charged as per rates notified by university
- The current exchange rate of market at the time of fee collection will be charged
- The Self Finance students are not eligible for any type of scholarship or fee concession

#### **UPGRADATION OF ADMISSIONS**

The selected students / those who have paid their fee will be upgraded as per their admission preferences according to merit. However, if any students want to fix his/her admission at any stage, he/she will have to submit affidavit before the last date of fee submission of the same merit list. The students will never be downgraded of their preferences.

#### **SAME MARKS IN FSC**

During the preparation of merit list if two or more candidates have same marks of merit formula then senior in age will be preferred and if age is same then marks of Sciences subjects of FSC will be considered.

#### **MERIT LISTS**

The sequential merit lists will be posted on the institution's website. Selected candidates from any merit list will be given a minimum of three working days to submit their annual dues. If, after three merit lists, there are still vacant seats, interviews will be conducted to form final merit lists for admissions based on merit.

#### **INTERVIEWS**

If there are still vacant seats after the three merit lists, then applicants will be called for interview against the vacant seats. There are no marks of interview and the applicants will be given admission as per merit. The interviews will be conducted by the committee, constituted/headed by the Principal SAHS. The selected candidates in interview will be asked to submit the dues on the same date to confirm his/her admission. However the Principal can extend the last date of dues submission of dues or can allow installments (maximum two) for the submission of dues. Any candidate who is absent in any interview for admission, will not be considered or called for any vacant seat in future. The decision of the admission committee will be final.

#### **LATE ADMISSION / UPGRADATION**

If any student left or any seat is vacant, it will be filled from the waiting candidates as per merit within 30 days after the commencement of classes. Applicant will be informed through his/her admission portal account, telephonically and email for late admission. He/She will be given two days to confirm admission by depositing the dues and join classes. If any applicant does not reply to the admission offer, next waiting candidate will be offered admission.

#### **FEE REFUND POLICY**

Fee Refund Policy of HEC will be followed

#### SCHOLARSHIPS / FEE CONCESSIONS

Total 10% students will be granted scholarships and fee concessions on merit based and need base as per policy of HEC.

#### **TERMINATION / CANCELLATION OF ADMISSION**

A student of any class once terminated or admission cancelled at any stage due to any reason, will not be readmitted.

#### **SCHOLARSHIPS**

#### NEED BASED SCHOLARSHIPS

#### **ELIGIBILITY**

Following is the eligibility criteria for Need Based Scholarships: -

- 1. Students who are enrolled in any Allied Health Sciences Discipline at University of Child Health Sciences Lahore
- 2. Declared monthly income of parents (from all sources) is equal to or less than Pak Rupees 60,000/- however relaxation may be given in special circumstances on indivual basis. The income criteria will not be shared with the students at any stage of Scrutiny/Selection Process.
- 3. Students who have secured admission on self-support/self-finance programs are not eligible. A certificate in this respect shall be submitted by the students with their applications
- 4. Students already availing any other need based scholarships / financial assistance/grant are not eligible.

#### **NUMBER OF SCHOLARSHIPS**

Number of scholarships for Committee UCHS Lahore	or new	admissions	and	promoted	students	will	be	determined	by	the	Scholarship

#### **TENURE**

Need Based Scholarship once awarded shall be paid till the final year examination subject to satisfactory academic performance. The students will have to provide result cards of each professional / annual exam on yearly basis.

#### **TERMINATION OF SCHOLARSHIP**

The Need Based Scholarship will be terminated / discontinued in following circumstances:-

- 1. If the student detained due to failure in examination his/her scholarship will be discontinued.
- 2. The payment of scholarship shall be discontinued in case of any disciplinary proceeding against the recipient.

#### **AMOUNT OF SCHOLARSHIP**

At the initial stage, Rs. 6,000/ per month, shall be paid as Need Based Scholarship to a student. The amount of scholarship may be reviewed by the authority, as it deems fit.

#### MERIT BASED SCHOLARSHIPS

#### **ELIGIBILITY**

Following is the eligibility criteria for Merit Based Scholarships:-

S.No	Disciplines	Marks % age	Scholarship
1	Applicants applied for admission in any discipline at the School of Allied Health		100% of tuition fee
	Sciences in session 2023-2024	Top 1 <sup>st</sup> applicant of each discipline	50% of tuition fee

#### **NUMBER OF SCHOLARSHIPS**

Total 12 scholarships, i.e Topper of each discipline in ever year.

#### **TENURE**

Merit Based Scholarship once awarded shall be paid till the final semester examination with the condition that they retain more than 90% marks or 3.5 GPA points in their semester examinations.

#### **TERMINATION OF SCHOLARSHIP**

The Merit Based Scholarship will be terminated / discontinued in following circumstances:-

- 1. If the student is detained due to failure in examination his/her scholarship will be discontinued.
- 2. The payment of scholarship shall be discontinued in case of any disciplinary proceeding against the recipient.
- 3. If secured less than 3.5 GPA points in any semester examination.

#### ADMISSION CRITERIA

- a. **Eligibility**: The applicant on the last date of submission of applications for admission mustpossess the:
  - I. Matriculation or equivalent securing a minimum of 60% marks.
  - II. FSc (Pre-Medical) or equivalent securing a minimum of 60% marks.
  - III. Only Punjab domicile can apply for AHS Programs on open merit seats.

#### b. ApplicationProcess:

- c. ApplicationsforadmissioninBSc.HonsAlliedHealthSciences Program of University of Child Health Sciences will be invited once a year,throughadvertisementinprintandelectronic mediamentioning closing date of applications with admission criteria.
- d. Themeritshallbecalculatedasfollows:

F.Sc. (Pre-Medical)/ HSSC/ Equivalent	90% weightage
Matriculation/ SSCI Equivalent	10% weightage

#### 2. Admission Process:

- a. Seats will befilledbyopenmerit.
- b. 16 Seats are reserved for Foreign Students. These will be fully paid seats. Fee will be determined by the University. Punjab domiciled candidates can also apply against these fully paid seats (Self Finance) but they will be considered if no application or short applications by foreign students against this category.
- c. 5 Seats are reserved for AJK, GB other Provinces and Islamabad. Thesewillbefullypaid seafee will be determined by the university.
- d. 1% Quota is Reserved Seats for Disabled
- e. ThecandidatewillbeallocatedaspecificprograminAlliedHealthSciencesaccordingtothemeritanda vailable slots.
- f. The candidates selected as peradmission criteria, will be notified and offered admission into BSc. Hons

Allied HealthSciences Program.

- g. If any student leaves or any seat is vacant, it will be filled from the waiting candidates as per merit
- h. Admission Fee of a student once granted admission shall not be refunded.
  - I. Full Fee (except admission fee) shall be refundable up to 15<sup>th</sup> day of commencement of classes
  - II. 75% of fee shall be refunded up to 20<sup>th</sup> day of commencement of classes
  - III. 50% of fee shall be refunded up to 30<sup>th</sup> day of commencement of classes
  - IV. No fee shall be refunded on 31st day and onwards
- i. Incase of any grievances, appeal can be filed within 15 days before the Vice Chancellor whose decision shall be final.

#### 3. Program Seats:

- a. The number of seats for each BSc Hons Allied Health Sciences training program will be allocated according to the number of available training slots, trainers / program directors and the availability of relevant equipment as well as infrastructure and others within the training units of this institution. These parameters will be subject to annual audit and review by the University.
- b. The seats available for each program will be decided by the university.
- c. TheRegistrarAlliedHealthSciencesshallmaintainarecordofregistrationofallcandidates and availability of Programme seats.

#### 4. Merit basedscholarships:

- a. University will award merit-based scholarship (100 percent tuition fee waiver) to the top scoring candidate of each discipline.
- b. Position Holders on board level of HSSC exams will be given a 100 percent tuition fee waiver.



#### 1. The Program Scheme:

- a. BSc (Hons) Allied Health Sciences will be Semester type Programme. This will comprise of eight semesters for disciplines except Doctor of Physical Therapy which will have 10 semesters.
- b. Firstand second semester Courses willbecommontoallspecialties.

#### 2. Credithoursscheme:

- a. CredithourssystemwillbefollowedasdevisedbytheHigherEducationCommission of Pakistanfor BSc HonsProgramme.
- b. A credit hour means teaching a theory course for one hour each week throughoutthe semester.
- c. One credit hour in laboratory or practical work/project would require lab contact ofthreehoursper week throughout the semester.
- d. Theoredithoursaredenotedbytwodigitswithinbracketswithahypheninbetween. The first digit represents the theory part while the second (right side) digitrepresents the practical.
- e. Thus 3(3-0) means three credit hours of theory, while 4(3-1) means a total of fourcredit hours, of which three are of theory while one credit hour is for laboratory or practical work.

#### 3. ResearchProject:

- a. All the students BSc Hons Allied Health Sciences, during Year III shall select oneResearchProject.
- b. The members of the Program Faculty Committee will declare the supervisors for each student.
- c. The topic of research project will be approved by the supervisor. The Research Proposal/Synopsis recommended by the supervisor will be presented to Programme Faculty Committee for approval.

#### 4. InternalAssessmentCriteria:



a. Aggregateachievedscoresofallcoursesinoneyearwillconstitute'InternalAssessment '.These will be awarded from a total of 20 marks.

#### GENERAL DISCIPLINARY RULES

#### Attendance

- Every student shall be required to attend at least 85 % of the lectures, seminars, tutorials, practical
  and clinical classes of each subject in each class failing which his/her name shall not be forwarded
  to the 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.

#### Class Room

- Maintaining the decorum of the class is mandatory, and students are expected to show the highest level of courtesy and respect towards their teachers.
- No student is allowed to leave the lecture room without the permission of the 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.
- Late comers arriving at the examination hall more than 15 minutes after the start of the paper will not be allowed to enter the examination hall.

#### Leaves

- Planned leaves must be approved by the principal before availing them.
- 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.
- A student, who is absent without leave continuously for a period of four weeks, will be struck off the university roll.

#### **Students Medical Certificate and Treatment**

- Non boarders must obtain a medical certificate from a registered medical practitioner.
- For boarders including those on duty in the hospital the medical certificate must be signed by a professor/associate professor of the institution.
- 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 prohibited from bringing valuables such as cash, jewellry, and mobile phones into the school and hospital premises. Any loss or theft will be the responsibility of the student.
- Students are required to maintain order and discipline at all times within the institution, hospital, and hostel.
- Smoking is legally prohibited in school and hospital premises. Legal action will be taken against anyone found smoking in the hospital premises.
- No games of any kind are to be played during classes and hospital duty hours.
- Displaying and distributing partisan/ethnic/sectarian/political pamphlets or circulars, etc., in the institution, attached hospitals, and hostel 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 the 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 on the institution premises without prior permission from the head of the institution.
- No student shall address a press conference, nor write to the press on political or related subjects or matters directly concerned 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 on the institution premises without the written permission of the head of the institution.
- The Principal can issue disciplinary orders of a permanent or temporary nature from time to time, regulating the conduct of students within the school.
- Riots, strikes, boycotts, and demonstrations are not allowed.

#### **Dress Code**

- Students are expected to dress up decently and they should observe simplicity.
- No jeans and T-Shirt is allowed in the hospital and institute.
- Students should have white overalls during their rotation in labs.

#### **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 the identity card is lost, a new one will be issued for Rs. 100.

#### **Hostel Facility**

• No hostel facility is being provided by the School of Allied Health Sciences at present.

#### **Transport Facility**

• No transport facility is being provided by the School of Allied Health Sciences at present.



#### **PENALTIES**

#### **Regulations relating to expulsion OFFENCES AND Penalties**

- For all such offences that occur in the Institution, hospitals and hostels 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:
- The student may be asked to tender an apology, verbal or written. This shall be placed on the student's record.
- A student may be placed on probation for a period up to one year. If during the period of probation, he /she fails to improve his/ her conduct, he/she may be expelled from the Institution.
- Scholarship may be suspended or stopped on account of any misconduct.
- The student may be expelled from the institution for a period determined by the head of the institution on the recommendation of the Disciplinary Committee.
- 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 final.



#### **DOCTOR OF PHYSICAL THERAPY**

Physical Therapy is an essential segment of modern health care system. It is a "science of healing and art of caring". Doctor of Physical therapy course is a 5-years undergraduate program which is focused on equipping the students with fundamental knowledge of clinical examination, evaluation, assessment, diagnosis and treatment of Musculoskeletal, Neurological, Cardio-Vascular and Respiratory system's functional disorders of adults as well as of Pediatrics. It deals with methods of treatment based on movement, manual therapy, physical agents, and therapeutics modalities to relieve the pain and othercomplications.

Hence, Physical Therapy covers basic parameters of healing sciences i.e., preventive, diagnostic, rehabilitative, and curative.

#### **Need Assessment of Doctor of Physical Therapy**

Considering the requirement of the Qualified Physical Therapists in Pakistan with a population of more than 240 million including both children and adults, there is shortage of Physical therapist. Comparing with the burden of physical health of population having varying physical disorders & deformities, the numbers of trained individuals in the field of Physical therapy remain inadequate to serve the needs of people. Physical therapy is treatment to restore, maintain, and make the most of a patient's mobility, function, and well- being. Physiotherapy helps through physical rehabilitation, injury prevention, and health & fitness. These services are required in the fields of musculoskeletal and neurological illness, cardio-pulmonary rehabilitation, sports and many more in adults as well as Pediatric population.

#### **Scope of Doctor of Physical Therapy:**

Physical Therapists are the significant components working in close relation with the orthopedicians, neurologist, cardiologist, women's health workers and athletes in provision of best patient care. In order to meet the demands and provide better health care, DPT program will help provide services in all aspects of health care facilities.

Doctor of Physical Therapists will have exciting opportunities to serve in different segments of the society including:

- Public sector hospitals
- Private sector hospitals
- Intensive care units
- Academic institutions (both public & private)
- Sports departments
- Special schools
- Rehabilitation centers nationally as well as globally.











### **Scheme of Studies**

The program is divided into 10 semesters (18 to 20 credit hours per semester) with ongoing formative assessment & summative assessment at the end of each semester. Scheme of studies for each semester is as follows:

Semest er	Course 1	Course 2	Course 3	Course 4	Course 5	Course 6	Course 7	Course 8
I	English I(Functional English)	Islamic Studies	Application of Information and communication Technologies	Natural science (Biochemistry-I)	Anatomy I	Physiology I	Quantitative Reasoning I	
II	English II(Expository Writing)	Ideology and Constitution of Pakistan	Quantitative Reasoning II	Biochemistry -II	Anatomy II	Physiology II	KinesiologyI	
III	Civics and Community Engagement	Social Science: Medical Sociology	Anatomy III	Physiology III(Exercise Physiology)	Biochemistry& Genetics I	Biomechanics & Ergonomics I	KinesiologyII	
ίV	Introduction to Entrepreneurship	Art, Craft and Calligraphy	Anatomy IV	Physiology IV(Nervous System)	Biomechanics & Ergonomics II	Medical Physics in Rehabilitation	Biochemistry & Genetics II	
V	Teaching Methodology & Community Medicine	Pathology & Microbiology I	Pharmacology in Rehabilitation I	Physical Agents &Electrotherap y I	Therapeutic Exercises & Techniques	Health & Wellness	Clinical rotati	on I
VI	Biostatistics	Pathology & Microbiology II	Pharmacology in RehabilitationII	Physical Agents &Electrotherap y II	Manual Therapy	Behavioral Sciences	Clinical re	otation II
VII	Research Methodology	Radiology & Diagnostic Imaging	Medicine I	Surgery I	Musculoskelet al Physical Therapy	Clinical rotation III		
VIII	Introduction to Prosthetics & Orthotics	Medicine II	Surgery II	Neurological PT	Community Based Rehabilitation	Research project (data collection)	Clinical rota	tion IV
X	Integumentary Physical Therapy	Cardiopulmo nary PT	Emergency procedures & Primary Care In PT	Differential Diagnosis	Obstetrics & Gynecological PT	Research project (dissertation & defense)	Clinical rota	tion V
X	CapeStone Project(Research publication)	Pediatric Physical Therapy	Geriatric Physical Therapy	Sports Physical Therapy	Professional Practice	Evidence Based Practice	Clinical rota	tion VI



## Faculty List

Sr. #	Name	Designation
1	Prof. Dr. Tipu Sultan	Professor
2	Dr. Sarfraz Ahmad	Associate Professor
3	Dr. Iqbal Bano	Associate Professor
4	Dr. M. Bilal Mirza	Associate Professor
5	Dr. Mumtaz Hussain	Assistant Professor
6	Dr. Samia Naz	Associate Professor
7	Dr. Laeeq Ur Rehman	Associate Professor
8	Dr. FaizRasool	Associate Professor
9	Dr. Naima Mehdi	Assistant Professor
10	Dr. Adeela Ch.	Assistant Professor
9	Dr. Svada Dahat Amin (DT)	Physiotherapist
9	Dr. Syeda Rahat Amir (PT)	Lecturer
		Physiotherapist
10	Dr. Sara Khan (PT)	Lecturer
		/ Coordinator DPT
11	Dr. Noshaba Anjum (PT)	Physiotherapist
11	Di. 103haoa / Mjulii (1 1)	Lecturer
12	Dr. Iqra Rashid (PT)	Physiotherapist
12	Br. Iqra Rusina (1 1)	Lecturer
13	Dr. Abdul Ghafoor (PT)	Physiotherapist
13	Dr. Hoddi Gharoof (1 1)	Lecturer
14	Dr. Waqar Baidi (PT)	Physiotherapist
* '	Dr. Waqar Barar (1 1)	Lecturer
15	Dr. Arousha Abrar(PT)	Physiotherapist
10	21111000101110101(11)	Lecturer
16	Dr. Gazal (PT)	Physiotherapist
	( /	Lecturer
17	Dr. Shiza Ghani (Pt)	Physiotherapist
	( )	Lecturer
18	Dr. Nargis Fatima (PT)	Physiotherapist
-	,	Lecturer
19	Dr. Somia Faisal (PT)	Physiotherapist
		Lecturer





#### **MEDICAL IMAGING TECHNOLOGY**

Medical Imaging Technology course is a 4-years undergraduate program which is focused on equipping the students with fundamental knowledge of radiological investigations. This includes acquiring the necessary technical skills to operate and maintain various imaging equipment, such as X-ray machines, ultrasound /Echocardiography devices, magnetic resonance imaging (MRI) scanners, computed tomography (CT) scanners, nuclear medicine and dedicated Interventional Radiology /cardiac equipment. After BSc Medical Imaging Technology course, students will gain required equipment skills, relevant professional knowledge, techniques and ethical values to enable them to work closely with patients of all ages and apply their acquired expertise at a level between the doctors and the patient under direct supervision of qualified radiologists for efficient health service delivery.

In Pakistan, the healthcare sector has been expanding, and there is a need for well-trained medical imaging technologists who can operate and maintain imaging equipment, assist radiologists and physicians in interpreting images, and ensure patient safety during imaging procedures. Medical imaging plays a crucial role in the diagnosis, treatment, and monitoring of various medical conditions.

#### **Need Assessment**

Considering the burden of radiological investigations in Pakistan with a population of more than 249 million including both children and adults, there is extreme shortage of trained radiographers and imaging technologists. Apart from the inadequate number of pediatric and adult radiologists to cater this huge burden, number of trained medical imaging technologists is also very limited. Comparing with the overall disease burden in the country the numbers of trained technologists in the field of radiology remain inadequate to serve the needs of people. These investigations include large number of X-rays, computed tomography (CT) scans, magnetic resonance imaging (MRI) scans, ultrasonography, interventional, cardiac and nuclear medicine procedures. Currently few educational institutes are providing these courses nationally which are still not meeting the demands.

### **Scope of Medical Imaging Technology**

Medical Imaging Technology (MIT) is a specialized field within the healthcare industry that involves the use of various imaging modalities for diagnostic and therapeutic purposes. The scope of this degree program in Medical Imaging Technology in Pakistan is quite promising, given the importance of medical imaging in healthcare and the growing demand for skilled professionals in this field.

As a graduate with a degree in Medical Imaging Technology, you can explore career opportunities in hospitals, diagnostic imaging centers, clinics, and research institutions.

Some potential job roles include:

- MRI Technologist:
- CT Technologist:
- Ultrasound Technologist
- Mammography Technologist
- Nuclear Medicine Technologist



- Cath Lab Technologist
- Interventional Technologist
- Echo Technologist
- Ultrasound Technologist



Application specialist.







## **Scheme of Studies**

Semester	Course 1	Course 2	Course 3	Course 4	Course 5	Course 6
I	English I (Functional English)	Islamiyat	Biochemistry I	Computer Science	Basic Anatomy I	Basic Physiology I
II	Expository writing	Ideolo gy and constit ution of Pakista n	Biochemistry II	Basic Anatomy II	Basic Physiology II	Flouroscopy
III	Civics and communit y engageme nt	Social science: a science of society	General Pathology	Regional & Imaging Anatomy-I	Medicine-I	
IV	Introduction of Enterprenur ship	Arts, crafts and calligr aphy	Medical Physics	Regional & Imaging Anatomy-II	CR & DR	
V	Teaching Methodology and community medicine	Contrast Media	General Radiology	Radiobiology & Radiation protection	Medicine-II	
VI	Ultrasonogra phy	Echocardiogr aphy	Mammograp hy			Research Project
VII	Magnetic resonance Imaging	Surgery	Nuclear Medicine			Research Project
VIII	Interventiona 1 Radiology	Computed Tomography	Angiography	Medical Ethics		



## Faculty List

Sr. #	Name	Designation		
1	Prof. Dr. Abid Ali Qureshi	Professor		
2	Prof. Dr. Syed Najam Hydri	Professor		
3	Prof. Dr. Uzma Kazmi	Professor		
3	Dr. Aysha Akram	Associate Professor		
4	Dr. Amber Goraya	Assistant Professor		
5	Dr. BushraMohsin	Assistant Professor		
6	Dr. Amina Tariq	Assistant Professor		
7	Dr. Maham	Senior Registrar		
8	Dr. Rabia	Senior Registrar		
9	Dr. Nauman Amjad	Assistant Professor		
10	Dr. Khaleeq	Lecturer		
11	Mr. Mustajav	Lecturer		
12	Mehreen Fatima	Imaging Technologist Lecturer		
13	Amina Iqbal	Imaging Technologist Lecturer		
14	Mr. Munawar Ghaus	Biostatition		





#### MEDICAL LABORATORY TECHNOLOGY

Medical Laboratory Technology (MLT) course is a 4-years undergraduate degree program which is designed to enable the students to learn fundamental knowledge of basic physiological and pathological functions of human body. Medical laboratory technology undergraduate students will acquire required professional knowledge and technical skills to perform a broad range of tests in different pathology units of healthcare system nationally and internationally. The MLT Program is designed to provide extensive training to undergraduates in both conventional and modern technologies in medical laboratory sciences in state of the art pathology laboratories including Hematology, Microbiology, Chemical Pathology, Immunology, Histopathology and Genetics under supervision of qualified faculty.

At UCHS, B.Sc. Medical Laboratory Technology curriculum has been designed to meet both the national and international standards. It has incorporated subjects to meet current and future needs of medical laboratory technology that will provide students with a firm foundation in clinical laboratory sciences as well as in clinical containment and basic biological sciences.

This degree program will also enable the students to learn the modern techniques of research and will enable them to execute their skills in research based fields. They will also be prepared for teaching by different teaching strategies and that will provide them with opportunities in the teaching institutions. Thus this program will help in shaping the careers of the students as qualified laboratory professionals, researchers and educationists who will become the symbol of quality in their respective fields.

This degree program will open new horizons for higher education in different areas of biological and medical sciences both nationally and internationally. After completing the degree MLT graduate will not only prove to be an asset for the organizations he will work for, but will also be a good candidate for better career development.

#### **Need Assessment**

Quality diagnostics are the backbone of healthcare delivery system. Without a strong diagnostic support, it becomes difficult for the clinicians to treat their patients. Medical Laboratory Technologists (MLTs) are important Allied health professionals who play a fundamental role in providing basis for healthcare diagnosis. In a country like Pakistan, diagnostic healthcare facilities are not sufficient to meet the requirements of ever-growing population. There is also an extreme shortage of qualified personals in laboratories where previously, only technicians with diploma were working who do not have proper knowledge and training according to the requirements of modern Pathology laboratory. Comparing with the burden of diseases (both



metabolic and infectious), and a large size of pediatric population, consistent deficiency of Medical laboratory technologists can only be fulfilled through such degree program in esteemed universities. They are required in both clinical and research laboratories, quality control and quality assurance.

Research in medical and biological fields was never so advance like today which require competent professionals with good theoretical and practical knowledge. The B.Sc. Medical Laboratory Technology program will also help to fulfill the deficiency of good researchers by introducing them to a wide variety of courses enabling the students to gain expertise in different theoretical and practical aspects of diagnostic analysis and research. The program ensures to fulfill the deficiency of highly skilled graduates in the field of diagnostics, research and teaching. These graduates are equipped with the required background knowledge to progress towards a shining career in the field of Medical Lab Technology and continue to serve

the community.



#### Scope

In Pakistan, healthcare system is growing rapidly where new technologies are continuously being introduced making diagnosis easier than ever before. Recognition of the need of qualified Allied healthcare professionals in medical laboratory sciences is increasing day by day which has resulted in a brighter scope for Medical Laboratory Technology graduates.

They have wide range of career opportunities in both pediatric and adult healthcare setups at national & international level. MLT graduates can have promising career opportunities in:

- Diagnostic Laboratories (Public and Private)
- Hospital Laboratories
- Forensic Laboratories
- Pharmaceutical laboratories
- Research Laboratories
- Reference Laboratories
- Research and Development Laboratories



- Sales and marketing of diagnostic instruments and reagents
- Teaching in academic institutes









## **SCHEME OF STUDIES**

Semester	Course 1	Course 2	Course 3	Course 4	Course 5	Course 6
I	Functional Islamic Studies English		Biochemistry I	Computer Science	Basic Anatomy I	Basic Physiology I
П	Expository writing	Ideology and constitution of Pakistan	Biochemistry II	Basic Anatomy II	Basic Physiology II	Medical Laboratory Instrumentation
III	Civics and community engagement	Social Science: a science of society	General Pathology	Basic Medical Microbiology	Medical Chemical Pathology	
IV	Introduction to Enterpreneurship	Histopathology I	Advanced Clinical Immunology	Molecular Biology	0,7	
V	Research Methodology	Advanced Clinical Immunology	Hematology II: WBCs, platelets physiology and malignant & nonmalignant disorders	Medical Virology and Mycology	Histopathology II	Cytogenetics
VI	Molecular Pathology	Medical Parasitology and Entomology	Immunological techniques and serology	Hematology III: Blood banking & Transfusion Medicine	-	Research Project
VII	Biosafety & Risk Management	Medical Laboratory Management	Infection Prevention & Control	Elective I Clinical Rotation		Research Project
VIII	Public health and Epidemiology	Bioinformatics	Advanced Laboratory Techniques	Elective II	-	-



## **Faculty List**

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Name	Designation
Dr. Samina Zaman	Professor
Dr. Saima Farhan	Professor
Dr. Mehwish Hussain	Associate Professor
Dr. Farhana Shahzad	Associate Professor
Dr. Fauzia Tabassum	Associate Professor
Dr. Abeer	Assistant Professor
Dr. ShaziaYasin	Assistant Professor
Dr. Sidra Hareem	Assistant Professor
Dr. Naima Mehdi	Assistant Professor
Dr. Farhana Ali	Assistant Professor
Dr. Aqsa Anam	Assistant Professor
Dr. HumairaJaved	Visiting Assistant Professor
Mr.Attiq ur rehman	Vice principal/Coordinator MLT
Dr. Ayesha Khanum	Senior Women Medical Officer
Dr. AbeeraAsadRasul	Women Medical Officer
Dr. NeelamMazhar	Women Medical Officer
Dr. Amina Jamal	Women Medical Officer
Arifa Sharif	Medical Technologist
	Dr. Samina Zaman Dr. Saima Farhan Dr. Mehwish Hussain Dr. Farhana Shahzad Dr. Fauzia Tabassum Dr. Abeer Dr. ShaziaYasin Dr. Sidra Hareem Dr. Naima Mehdi Dr. Farhana Ali Dr. Aqsa Anam Dr. HumairaJaved Mr.Attiq ur rehman Dr. Ayesha Khanum Dr. AbeeraAsadRasul Dr. NeelamMazhar Dr. Amina Jamal





## **DENTAL TECHNOLOGY**

Dental Technology is the technical side of dentistry where dental technologists on prescription of dentist make any prosthesis or appliance for the head & neck region. Dental technology course is a 4-years undergraduate program which is focused on equipping the students with fundamental knowledge of dental labs. After BSc. Dental Technology course, students will gain required equipment skills, relevant professional knowledge, techniques and ethical values to enable them to work in dental labs. Students will also be introduced to basic concepts in dental lab to aid their understanding in dental materials. A hands-on approach will be taken with laboratory sessions as well as lectures to provide an understanding and evaluation of how different materials are applied in dentistry. This course will also provide the basic content of material science principles to the Bachelor of Dental Technology.

This degree is ideal for students who will work behind the dental clinics creating and fabricating dentures, crowns, bridges and orthodontic appliances but not fitting the final denture or appliance to the patients in dental clinic. It will help students who would like working with their hands, can pay attention to detail and prefer not to work directly in dental clinics. They will become highly skilled members of the dental team. They will utilize art and science skills to construct custom-made dental devices to replace, restore and correct defects that enhance the patient's facial appearance and their ability to occlude teeth in a correct manner.

The students will learn and adapt advanced dental technologies and will be graduated with the ability to combine their theoretical and technical practical learning of the construction of different dental prostheses including crown, bridge, complete and partial denture and orthodontic appliances.

#### **Need Assessment**

Considering the burden of the dental problems in Pakistan with a population of more than 249 million there is extreme shortage of dental technologies services. Apart from the inadequate number of dental surgeons to cater this huge burden, dental technologists are also very limited. Comparing with the burden of dental problems, the numbers of trained technologists in the field of dentistry remain inadequate to serve the needs of people with dental problems. Currently few educational institutes are providing these courses nationally which are still not meeting the demands.

## **Scope of Program**

Dental technology is a rapidly changing field. The need for dental technology is expected to grow faster than many other health professions in Pakistan. There are tons of opportunities for career progression, and there is great earning potential as well. Dental technology is a global profession and Pakistan needs skilled dental technologists.

Given their shortage, dental technologists will have exciting opportunities to serve in different segments of the society including:

- Public sector hospitals
- Private sector hospitals
- Academics institutions
- Private medical colleges
- Dental lab centres nationally as well as globally







## **Scheme of Studies**

Semest er	Course 1	Course 2	Course 3	Course 4	Course 5	Course 6
I	Functional English	Islamic Studies	Biochemistry I	Computer Science	Basic Anatomy I	Basic Physiology I
П	Expository writing	Ideology and constitution of Pakistan	Biochemistry II	Basic Anatomy II	Basic Physiology II	Introduction to dental lab techniques & Lab Exposure
III	Civics and community engagement	Social Science: a science of society	Oral Biology-I	General Pathology	Dental Materials-I	Specialized Anatomy (Head &Neck)
IV	Introduction to Entrepreneursh ip	Microbiology	Oral Biology- II	Oral Pathology	Dental Materials-II	Principle of Infection Control
v	Research Methodology	Removable Partial Prosthodontics I	Removable Complete Prosthodontics -I	Orthodontics- I	Research Project	
VI	Removable Partial Prosthodontics II	Removable Complete Prosthodontics- II	Orthodontics- II	Fixed Prosthodontic s- I	Research Project	
VII	Maxillofacial Prosthodontics- I	Orthodontics- III	Maxillofacial Prosthodontics -II	Fixed Prosthodontic s- II	Practical Rotations	

VIII	Dental Implants	Orthodontics- IV	Fixed Prosthodontics -III	Digital Dentistry	Practical Rotations	
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# **Faculty List**

Sr.	Name	Designation		
2	Dr. Ayesha Ashraf	Assistant Professor		
3	Dr. Khalid	Chief Dental Surgeon		
4	Dr. Imran	Senior Dental Surgeon		
5	Dr. Irfan Zahoor	Principal Dental Surgeon		
6	Dr. SairaAagha	Senior Dental Surgeon		
7	Dr. Rabia Khan	Senior Dental Surgeon		
8	Dr. Saira Talib	Senior Dental Surgeon		
9	Dr. Ali Nouman	Senior Dental Surgeon		
10	Dr. Faizan Ali	Dental Surgeon		
11	Dr. Rabia Aziz	Dental Surgeon		
12	FakharulNisa	Dental technologist Lecturer		



## **OPERATION THEATRE TECHNOLOGY**

An operation theatre/Surgical (OT/ST) technologist forms an intrinsic part of any hospital's operative services. They act as members of a multidisciplinary team in operation theatres who prepare, maintain, and manage operation theaters of public and private hospitals. They work in varied healthcare settings under direct supervision of qualified surgeons to manage operation theater workflow, maintain the equipment in good functional condition, sterilize the instruments and disinfect the theatres, ensure patient safety by observing SOPs for various positioning during anesthesia, and surgery including safe transfer of the patients after the surgery. With emerging technology and increasing burden on health system demand of Allied health professional especially OT Technologist is high for safe and effective patient care.

#### **Need Assessment**

Effective delivery of healthcare services depends largely on the nature of education, training and appropriate orientation towards community health of all categories of health personnel, and their capacity to function as an integrated team. For instance in the UK, more than 84,000 AHPs, with a range of skills and expertise, play key roles within the National Health Service, working autonomously, in multiprofessional teams in various settings. Australia's health system is managed not just by their doctors and nurses, but also by the 90,000 university- trained, autonomous AHPs vital to the system while in Pakistan we have about 1000 operation theatre/surgical technologist only. In a country like Pakistan having more than 240 million population there is an extreme shortage of trained OT/ST technologist. As the Pakistan government aims for Universal Health Coverage, the lack of skilled human resource may prove to be the biggest impediment in its path to achieve targeted goals.

## **Scope Of Program**

After completing 4 years degree program Operation Theatre/ Surgical Technologist will work as Operation theatre and CSSD Manager in

- Public Sector Hospitals nationally and internationally
- Private Sectors nationally and internationally
- They can also work as teachers and research supervisor of relevant field in teaching institutions.
- Work as application specialist in equipment and instrument industry





## **SCHEME OF STUDIES OTT**

The program is divided into 08 semesters (16 to 18 credit hours per semester) with ongoing formative assessment & summative assessment at the end of each semester. Scheme of studies for each semester is as follows:

Semester	Course 1	Course 2	Course 3	Course 4	Course 5	Course 6	Course 7
I	Functional English	Islamic Studies	Quantitative Reasoning I	Application of Information and communication Technologies	Natural science (Biochemistry)	Anatomy I	Physiology I
II	English II (Expository Writing)	Ideology and Constitution of Pakistan	Quantitative Reasoning II	Biochemistry	Anatomy II	Physiology II	
III	Civics and Community Engagement	Social Science: A science of society	General Pathology	Medical Physics-I		Fundamentals ofPeri- Operative Care	Fundamental of operation theater Technology
IV	Introduction to Entrepreneursh ip	Art, Craft and Calligraphy	Biostatistics		Medical Physics-II	Clinical Pharmacology	Microbiology
V	Research Methodology	Principles of Surgery	Decontaminat ion & Disinfection	Surgical Instruments	Basic Anesthesia Techniques	Medical Professionalis m-	
VI	Sterilization	Aseptic and Sterile Techniques	Electro medical equipment	Infection Prevention & Control	Surgical setup and supplies	Research Project	
VII	Patient Safety & Quality	Biomateria 1 & Surgical Implants	Emergency &Intensive Care	Operation Theatre Management- I		Research Project	
VIII	CSSD Management	Endoscopic Equipment	Robotics	Operation Theatre Management- II	Epidemiology & Public Health	-	

# **Faculty List**

Sr. #	Name	Designation
1	Prof. Dr. Nabila Talat	Professor
2	Dr. Muhammad Bilal Mirza	Associate Professor
3	Dr. Imran Hashim	Associate Professor
4	Dr. Mahmood Ahmad	Assistant Professor
5	Dr. Jamal Butt	Assistant Professor
6	Dr. SajidNayyer	Assistant Professor
7	Dr. FarrukhMehmoodSattar	Assistant Professor
8	Rubab Zohra	OT Technologist Lecturer
9	AnamSajid	OT Technologist Lecturer
10	ShumailaMushtaq	OT Technologist Lecturer

Occupational therapy is a client centered health profession concerned with promoting health and wellbeing through occupation. It is a 4-years undergraduate program which is focused on equipping the students with fundamental knowledge of sensory integration, activities of daily living and assistive devices to optimize functional skills, involving therapeutic evaluation and interventions to maximize independent functioning of people with disability. After B.Sc. (Hons.) Occupational Therapy course, students will gain required therapeutic skills, relevant professional knowledge, techniques and ethical values to enable them to work closely with patients of all ages and apply their acquired expertise at a level between the doctors and the patient for efficient health service delivery. Occupational therapists will be trained to perform standardized assessment batteries/scales to investigate functional levels and to ensure functional independence by prescribing adaptive and making environmental modifications including vocational settings.

#### **Need Assessment**

Semest e r	Course 1	Course 2	Course 3	Course 4	Course 5	Course 6	
I	Functional English	Islamic Studies	Biochemistr y I	Compute r Science	Basic Anatomy I	Basic Physiology I	
II	English II (Expository Writing)	Ideology and Constitution of Pakistan	Biochemistr y II	Basic Anatomy II	Basic Physiolog y II	Introductio n to occupation al therapy	
III	Civics and Community Engagement	Social Science: A science of society	Neuro Anatom y	General Patholog y	Neurophys i ology	Occupationa I therapy theories &approaches	
IV	Introduction to Entrepreneurship	Art, Craft and Calligraphy	Medicine	Clinical pharmacolo g y	Medica 1 ethics	Development a l and BehavioralPe diatrics	
V	Research Methodolog y	Biomechanics	Psychology	Kinesiolog y	Surgery	Clinical rotation 1	
VI	Occupationa 1 therapy assessment & evaluation	Occupationa 1 therapy in development a 1 and BehavioralP ediatrics	Occupation al therapy in cardiac & pulmonary diseases	Activities of daily living	Clinical rotation 2	Research Project (Synopsi s)	
VII	Hand rehabilitation & splinting	Sensory integratio n therapy	Occupationa l therapy in neurology, geriatrics& medicine	Occupationa I therapy in mental health	Clinical rotation 3	Research Project (Data Collection	

VII	Community based rehabilitation & occupational health	Orthotics, prosthetics & assistive technology	Occupation al therapy in orthopedic and surgical conditions	Ergonomics and vocational rehabilitatio n	Therapeuti c activities and their techniques in occutherapy	Organization , administratio n & study work in OT
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Occupational therapy is an internationally recognized, evidence-based profession with distinct foundational knowledge and skills related to disability, inclusion and community participation. Statistics suggest that 6.2 percent of Pakistan's population suffers from some kind of disability considering the burden of the disabilities in Pakistan with a population of more than 40 million including both children and adults, there is extreme shortage of occupational therapy health services. Comparing with the burden of disabled individuals, the numbers of trained therapists in the field of occupational therapy remain inadequate to serve the needs of people with disabilities (physical and intellectual).

Scope of Occupational therapy

Occupational therapists are the essential components working in close relation with the rehabilitation team in provision of best patient care. In order to meet the demands and provide better health care, occupational therapy program will help provide services in all aspects of health care facilities. Introduction of this program will increase the human resource not only in the field of pediatric setting but also in improving and ensuring the maximum functional independence in people of all ages.

Given their shortage, occupational therapists will have exciting opportunities to serve in different segments of the society nationally and internationally including

- Public sector hospitals
- Private sector hospitals
- Academics institutions
- Private medical colleges
- Community
- Special schools
- Rehabilitation centers nationally as well as globally.

## Scheme of Studies

# **Faculty List**

Sr. #	Name	Designation
1	Prof. Dr. Iqbal Bano	Professor
2	Dr. Aisha Farid	Assistant Professor
3	Dr. Fatima Rehman	Senior Registrar
4	Dr. SyedaRahat Amir	Physiotherapist Lecturer
5	Dr. NoshabaAnjum	Physiotherapist Lecturer
6	Mrs. BushraNaheed	Occupational Therapist Lecturer
7	FaizaYousaf	Occupational Therapist Lecturer
8	Usman Haider	Occupational Therapist Lecturer
9	Zunaira Anwar	Occupational Therapist Lecturer
10	IqraMajeed	Occupational Therapist Lecturer



## SPEECH & LANGUAGE PATHOLOGY

B.Sc (Hons.)Speech-language pathology is a unique clinical and scientific area in the field of medical and allied health professions. Speech-language pathologists spend most of their time as clinicians helping people by diagnosing and treating individuals having speech, language, and communication disorders. Besides hospitals, speech language pathologists are also part of teams in rehabilitation centers, special education centers, universities, and many speech language pathologists are working as private practitioners who serve their patients in the same way as doctors or lawyers who are in private practice.

Pakistan is the country which has a large pediatric population in the world with 48.7% of its population being under 18 years of age. Due to consanguinity and inter relation marriages, the incidence of inherited speech, language and communication disorders is being increased day by day and it is being augmented by overuse of screen, poor social interaction, and lack of quality time by the parents and antenatal birth events. These childhood disorders have a huge burden in the society in terms of standard care, provision of health facilities, and human resources. Currently available facilities are focused in the big cities where a limited number of specialists are working catering to a huge population. Speech & language pathologists are the ancillary components working in close relation with the pediatricians and general physicians in provision of best patient care in outdoor and acute care settings. In order to meet the demands and provide better healthcare, this program will help provide services in all aspects of healthcare facilities. Introduction of this program will increase the human resource not only in the field of speech & language pathology but also in allied health professionals as a whole.

#### **Need Assessment:**

Considering the burden of the communication disorders in Pakistan with a population of more than 230 million including both children and adults, there is an extreme shortage of speech & language pathologists. Comparing with the burden of communication disorders, the numbers of trained speech & language pathologists in this field of n remain inadequate to serve the needs of people with communication disorders. These disorders include the largest burden of autism, delayed language development, Down syndrome, intellectual disabilities, hearing impairment, stuttering & articulation, feeding & swallowing disorders and so on. Currently few educational institutes are providing these courses nationally which are still not meeting the demands.

## Scope of Speech & Language Pathology:

Speech & Language Pathologists will have exciting opportunities to serve in different segments of the society including:

- Public sector hospitals
- Private sector hospitals
- Academics institutions
- Mainstream schools
- Private medical colleges
- Special education centers
- Rehabilitation centers nationally as well as globally.





Semeste r	Course 1	Course 2	Course 3	Course 4	Course 5	Course 6	Course 7	
I	Functional English	Islamic Studies	Biochemistr y I	Computer Science	Basic Anatomy I	Basic Physiology I	Clinical supervised practice1	
п	English II (Expository Writing)	Ideology and Constitution of Pakistan	Biochemistr y II	Basic Anatomy II	Basic Physiolo gy II	Introduction to speech & language pathology	Clinical supervised practice II	
Ш	Civics and Community Engagement	Social Science: A science of society	Linguistics for SLP	General Pathology	Clinical Pharmacol ogy	Phonology & phonetics for SLP	Develop mental Pediatrics I	Clinical supervised practice III
IV	Introduction to Entrepreneurs hip	Developme ntal Pediatrics II	Medical & Surgical	Psychiatry & Human Psycholog y	Speech disorders I	Developmen tal Language Disorders	Clinical supervise d practic eIV	
V	Research Methodolog y	Speech disorders II	Clinical linguistics & clinical phonology	Speech disorder s III	Speech & language rehab,asse ssment& planning of treatment	Development al Rehab	Clinical supervised practice V	
VI	Oral Motor Speech Disorders	Clinical Decision Making	Audiology & Speech Rehab	Adult Neurogeni c Language Disorders		Research Project I	Clinical supervise d practice VI	
VII	Disorders of Nasality/Clef t Palate	Feeding & Swallowin g Disorders	Learning Disorder s			Research Project II	Clinical supervise d practice VII	

# SchemeOf Studies

Faculty List

B.SC (HONS) SPEECH & LANGUAGE PATHOLOGY

Sr. #	Name	Designation
1	Prof. Dr. Imran Saeed	Professor
2	Dr. HinaAzhar	Associate Professor
3	Dr. Muneeba Kamran	Senior Registrar
4	Dr. AmmaraHina	Senior Registrar
6	Humairaldrees	Senior Speech Therapist
7	ArifaHafeez	Speech Therapist
8	Saima Abbas	Speech Therapist
9	Fareeha Latif	Clinical Psychologist
10	Dr. Marvi Sehar	Coordinator SLP



## **HUMAN NUTRITION & DIETETICS**

Human Nutrition and dietetics course is a 4-years undergraduate program which is focused on equipping the students with fundamental knowledge of food, nutrition and dietetics. This course will enable the students to achieve the professional knowledge and techniques to work closely with patients of all ages. Graduates will learn individual dietary needs and make diet plans. Nutritionists and dietitians will apply their acquired expertise to deliver research- oriented interventions to bring modifications in dietary patterns of community. It will also help in prevention and cure of disease and attain long term sustainability. It will provide the required skills and exposure in order to perform jobs in healthcare centers, community, governmental organizations and industry.

#### **Need Assessment**

Pakistani population is suffering from a variety of nutritional deficiency disorders ranging from protein-calorie malnutrition to specific micro-nutrients deficiencies. These nutrient deficiencies are caused by multiple factors like dietary insufficiencies of micronutrients, poor maternal &child health, low levels of micronutrients in the soil and bioavailability issues. These deficiencies result in growth retardation, poor mental development and various types of physical disabilities. It is observed that there is increasing rate of chronic and acute malnutrition in the country which is primarily attributed to poverty, illiteracy among the mothers, food and nutritional insecurity and lack of cutting edge research to devise local solutions to curb this situation. Beside micronutrient deficiencies, the incidences of cardiovascular diseases, diabetes, cancer, obesity, hypertension and kidney and liver problems are increasing day by day due to unsafe and poor quality diets. Consequently, malnutrition reduces the GDP by 2-3%. The long-term and sustainable approach is to prevent and cure diseases with diet management. Realizing the importance of human nutrition in daily life and emergencies like earthquake, drought, famine and man-made disasters, nutrition education has become need of the day.

#### **Scope Of Human Nutrition And Dietetics**

Nutritionists and dietitians will have exciting opportunities to serve in different segments of the society including:

- Nutrition Educationists, nutrition consultants /clinical dieticians, public health nutritionists, clinical dieticians, food service administrators, nutrition and health expert, weight management expertise, therapeutic diet planning.
- Public Sector: Public Health Departments, School Health nutrition programs, research and teaching Institutes International Organizations like UNICEF, WFP, UNDP, WHO, FAO, World Bank, Non-Governmental Organizations, and Motivational speakers.
- Private Sector: Multinational Companies, independent private practice, food industries, pharmaceuticals Industry, hospitality industry consultant for private companies and hospitals, airlines and railways services, catering services, health care centers.
- Foreign Countries: Public health departments in Middle East, Europe etc.



## SCHEME OF STUDIES FOR 4 YEARS INTEGRATED CURRICULUM OF

## **B.Sc.** (Hons.) HUMAN NUTRITION AND DIETETICS

The program is divided into 08 semesters (16 to 18 credit hours per semester) with ongoing formative assessment & summative assessment at the end of each semester. Scheme of studies for each semester is as follows:

este	Course 1	Course 2	Course 3	Course 4	Course 5	Course 6	Course 7
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	Functional English	Islamic Studies	Quantitative Reasoning I	Computer Science/ Applications of Information & communication technologies	Natural Science (Biochemistry)	Anatomy I	Physi	ology
	Expository Writing	Ideology and Constitution of Pakistan	Quantitative Reasoning II	Advance Biochemistry	Anatomy II	Physiology II	Fundan Human	
[	Civics & Community Engagement	Social Science: A science of society	General Pathology	Macronutrients in human nutrition	Dietetics I	Assessment of nutritional status	Essentia Science Tech	
r	Introduction to Entrepreneurship	Art, Crafts and calligraphy	Biostatistics	Dietetics II	Clinical pharmacology	Food Microbiology	Clinical	rotatio
	Nutrition deficiency disorders	Food safety and quality management	Dietetics III	Food analysis	Nutrition through lifecycle	Meal planning and management	Clinical	rotatic
[	Research Methodology	Preventive nutrition	Functional foods and nutraceuticals	Public health nutrition	Infant and young child feeding	Clinical rotation III		
I	Nutritional immunology	Proteomics and nutrigenomics	Nutrition practices in clinical care	Drug nutrient interactions	Food service management	Medical ethics		
Π	Capstone Project/ Research Project	Nutrition epidemiology	Food toxins and allergens	Sports Nutrition	Food and drug laws	Internship/ Field Experience		
,								

#### **B.SC (HONS) HUMAN NUTRITION & DIETETICS**

Sr. #	Name	Designation
1	Prof. Dr. JunaidRasid	Professor
2	Dr. NabeelaMushtaq	Assistant Professor
3	Dr. Muhammad Nazir	Assistant Professor
4	Dr. AsnaZahid	Nutritionist
5	RashidahJaved	Nutritionist
6	Maheen Awan	Nutritionist
7	AasmaAkram	Nutritionist
8	Ali Owais	Nutritionist



## ANAESTHESIA TECHNOLOGY

With the advancement of surgical specialties & supra specialties, the need for specialized anesthesia has also increased. The anesthesiologist, being the anesthesia provider need qualified assistant to deliver safe & efficient care to the patients. This program has been designed to produce highly qualified & professional Anesthesia Technologists, (who work as assistants to the anesthesiologist) to overcome the needs of the ever increasing clinical needs in ORs & ICUs. Anesthesia Technology is an Allied Health Profession specifically focused on fundamental & advanced clinical program which assists the anesthesia provider in the safe and efficient care of patients. Anesthesia technologists work in the Department of Anesthesia of a hospital as ancillary health care providers to improve the quality of care.

#### **Need Assessment**

With the advancement in the fields of surgery & anesthesia, anesthesia technologists are in a very high demand in the hospitals at national & international level.

Being a country of around 250 million people, there is an extreme shortage of trained Anesthesia personnel. Specialized health care centers have sprung up over the country with high quality ORs & ICUs and the need for qualified & professional anesthesia technologists has so far out-paced the supply in the market. Academic

institutes are also in high demand of qualified teachers/trainers & quality researchers in this specialty, hence the need of this program.

## **Scope Of The Program**

Anesthesia Technologists work in the ORs & ICUs in the hospitals. It is a highly paying job, both at national and international level. They have a bright future ahead of them with vacancies available in Pakistan, Middle Eastern Gulf Countries. With the number of surgeries increasing day-by-day & the with new avenues in surgical specialties, Anesthesia personnel are going to be the backbone of advanced & complex surgeries under safe & efficient Anesthesia & trained Anesthesia Technologists are going to have major impact in all this scenario. Furthermore, development of new training institutions, specialized trainers & researchers in this program will be highly-sought after.



# SCHEME OF STUDIES

t		Course 1	Course 2	Course 3	Course 4	Course 5	Course 6	Cou	rse 7
	F	unctional English	Islamic Studies/Ethics	Exploring Quantitative Skills	Application of information and communication technologies	Natural Science (Biochemistry)	Anatomy I	Physic	ology l
		Expository Writing	Ideology and Constitution of Pakistan	Tools for Quantitative Reasoning	Biochemistry	Anatomy II	Physiology II		
		Civics and Community Engagement	Social Sciences: A science of society	General Pathology	Hematology	Anatomy related to Anesthesia	Physiology related to Anesthesia		
		Biostatistics	Introduction to Entrepreneurship	Art, Craft And Calligraphy	Pharmacology	Special Pathology	Microbiology	Physics to Ane	
		Community Medicine	Medical Ethics	Pharmacology related to Anesthesia	History Taking & Peri-Operative Care	Anesthesia Equipment			
		Research Methodology	Anesthesia for General Surgery	Anesthesia for Orthopedic & Urologic Procedures	Anesthesia for Ophthalmology Procedures	Anesthesia & Co- Existing Diseases	Fundamental s of Infection Control		
		Anesthesia for ENT & Plastic Surgery	Anesthesia for Obs/Gynae	Anesthesia for Pediatric Surgery	Crisis Management in Anesthesia	Management of Complications during Anesthesia			

ľ	Anesthesia for Dental, Iaxillofacial and Head & Neck	Critical Care	Anesthesia for Cardio-thoracic Surgery	Anesthesia for Neuro, Emergency & Geriatric Surgery	Capstone project/Research Project	Field experience/int ernship	

# **Faculty List**

## **B.SC (HONS) ANAESTHESIA TECHNOLOGY**

Sr. #	Name	Designation
1	Prof. Dr. SaeedahAsaf	Professor (HOD)
2	Dr Madiha zafar	Associate Professor
3	Dr. Ali Ayyaz	Assistant Professor
4	Dr. M. Abdul Rehman Afzal	Senior Registrar
5	Dr. Saba Arshad	Senior Registrar
6	Dr. SharibKhaild	Senior Registrar
7	Dr. Babar Rauf	Senior Registrar
8	Dr. Saima Siddique	Senior Women Medical Officer
9	Dr. Wafa Hameed	Women Medical Officer
10	Amta Mubeen	Anesthesia Technologist



## **NEUROPHYSIOLOGY**

Neurophysiology technology course is a 4-years undergraduate program which is focused on equipping the students with fundamental knowledge of functions of nervous system, encompassing the required skills and exposure in order to perform technical procedures in healthcare centers. After B.Sc. Neurophysiology Technology course, students will gain required skills, relevant professional knowledge, techniques and ethical values to enable them to work closely with patients of all ages and apply their acquired expertise in their relevant field for efficient health service delivery. Neurophysiology technologists will be trained to perform specialized tests to investigate, diagnose and monitor different neurological disorders like epilepsy, neuromuscular disorder, degenerative brain diseases, strokes and demyelinating disorders.

## **Need Assessment**

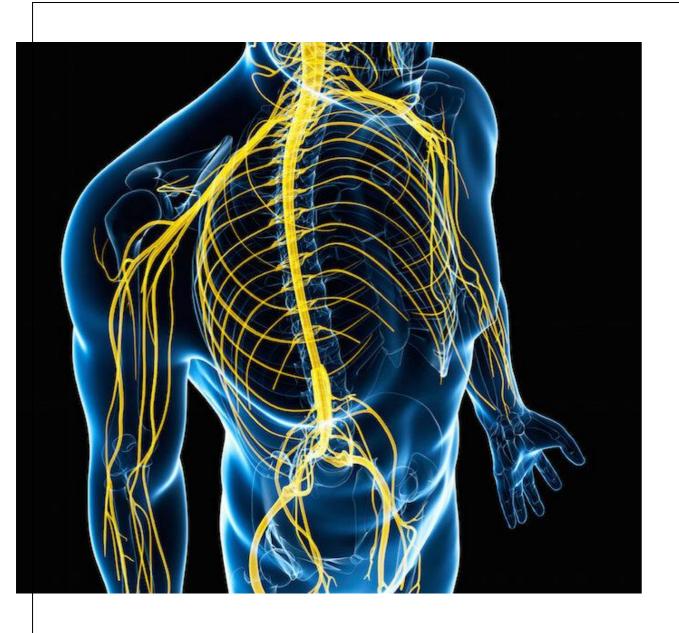
Considering the burden of the neurological disorders in Pakistan with a population of more than 240 million including both children and adults, there is extreme shortage of neurological health services. Apart from the inadequate number of pediatric and adult neurologists to cater this huge burden, neurophysiology technologists are also very limited. Comparing with the burden of neurological disorders, the numbers of trained technologists in the field of neurophysiology remain inadequate to serve the needs of people with neurological disorders. These disorders include largest burden of epilepsy, muscular dystrophies, movement disorders, intellectual disabilities, degenerative brain diseases and so on. Currently few educational institutes are offering these courses nationally which are still not meeting the demands.

#### SCOPE OF NEUROPHYSIOLOGY TECHNOLOGY

Pakistan is the country which has a large Pediatric population in the world with 47.8% of its population being under 18 years of age. Due to consanguinity and inter relation marriages, the incidence of inherited neurological disorders is being increased day by day and it is being augmented by prematurity and antenatal birth events. These childhood neurological disorders have huge burden in the society in terms of standard care, provision of health facilities, and human resource. Currently available facilities are focused in the big cities where limited numbers of specialists are working catering huge population. Neurophysiology technologists are the ancillary components working in close relation with the neurologist in provision of best patient care. In order to meet the demands and provide better health care, neurophysiology technology program will help provide services in all aspects of health care facilities. Introduction of this program will increase the human resource not only in the field of Pediatric neurology but also in Neurology as a whole.

Neurophysiology technologists will have exciting opportunities to serve in different segments of the society including:

- Public sector hospitals
- Private sector hospitals
- Academic institutions
- Private medical colleges
- Rehabilitation centers nationally as well as globally.



The program is divided into 08 semesters (16 to 18 credit hours per semester) with ongoing formative assessment & summative assessment at the end of each semester. Scheme of studies for each semester is as follow.

Semeste r Course 1 Course 2 Course 3 Course 4 Course 5 Course 6 Course 7
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I	Functional English	Islamic Studies	Exploring Quantitative	Application of Information and communication	Natural science (Biochemistry)	Anatomy I	Physiology I
	<i>3</i> *	Ideology	Skilss	Technologies	(		Introduction to
II	Expository English	and Constitutio n of Pakistan	Tools for Quantitative reasoning	Biochemistry	Anatomy II	Physiology II	clinical neurology
ш	Civics and Communit y Engageme nt	Social Science: A science of society	General Pathology	Neuroanatomy	Neurophysiolog y	Clinical History and procedure related patient care	-
IV	Introductio n to Entreprene urship	Art, Craft and Calligraph y	Biostatistics	Basic electroencephal ography I	Clinical pharmacology	Basic electromyog raphy & nerve conduction studies I	Clinical rotation 1
V	Basic Evoked potentials I	Basic electroence phalograph y II	Basic electromyog raphy & nerve conduction studies II	Clinical rotation 2	Instrumental electronics I	Surface anatomy	Medical ethics
VI	Advance electroence phalograph y I	Advance electromyo graphy & nerve conduction studies II	Basic Evoked potentials II	Clinical rotation 3	Instrumental electronics II	Research methodolog y	-
VII	Advance electroence phalograph y II	Advance electromyo graphy & nerve conduction studies II	Basic Evoked potentials II	Neuromuscular disorders	Clinical rotation 4	Epilepsy and epilepsy syndromes	-
VIII	Capstone project/Re search Project	Advance electroence phalograph y III	Advance electromyog raphy & nerve conduction studies III	Field experience/int ernship	-	-	-



# **Faculty List**

## **B.SC (HONS) NEUROPHYSIOLOGY**

Sr. #	Name	Designation
1	Prof. Dr. Tipu Sultan	Professor
2	Dr. M. Zia-ur-Rehman	Associate Professor
3	Dr. Shaila Ali	Assistant Professor
4	Dr. Muhammad Asif Ibrahim	Assistant Professor
5	Dr. ShumailaRafique	Assistant Professor
6	Dr. AzeemAshfaq	Senior Registrar
7	Dr. Natasha Ghani	Senior Registrar
8	Dr. Javeria Raza Alvi	Senior Registrar
9	Dr. Sameen Qureshi	Senior Registrar





## **CARDIACPERFUSION SCIENCES**

B.Sc. (Hons.) Clinical Perfusion Sciences is an Undergraduate Program offered by UCHS. Cardiovascular perfusion is the scientific practice of supplying extracorporeal circulation to artificially assist and briefly take the place of a patient's respiratory and circulatory systems. Clinical Perfusionists are qualified members of the cardiac surgical team who provide vital care for patients requiring extracorporeal circulation during major cardiothoracic, vascular, and transplant procedures, as well as for seriously ill patients.

The main objective of the B.Sc. (Hons.) Clinical Perfusion Sciences program is to intellectually and clinically prepare the Clinical perfusion student for professional practice.

#### **Need Assessment**

Considering the burden of cardiovascular diseases in Pakistan, there is an extreme shortage of cardiac surgery services. Apart from the inadequate number of pediatric and adult cardiac specialists to provide for this huge burden, perfusionists are also very limited. Compared to the burden of cardiovascular disease patients, the number of trained perfusionists in the field of cardiac surgery remains inadequate to serve the needs of people with cardiovascular diseases. These diseases include the largest burden of ischemic, valvular, and congenital diseases. Currently, only a few educational institutes are providing these courses nationally, which are still not meeting the demands.

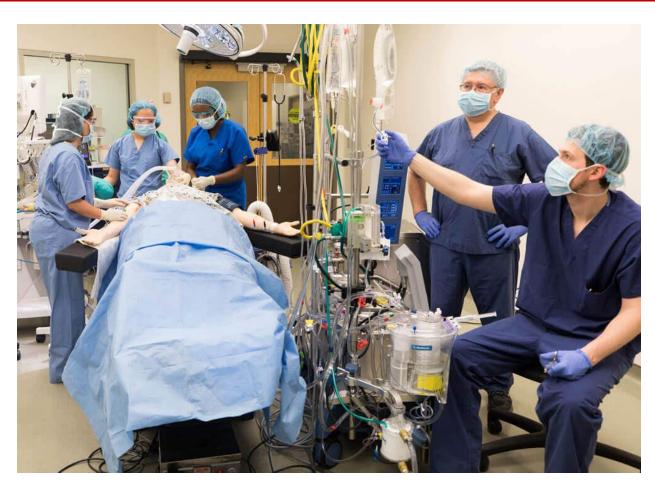
#### **Scope Of Clinical Perfusion Sciences:**

The scope of perfusionists is promising and offers various opportunities for professional growth and career advancement. Perfusionists will participate in specialized procedures such as organ preservation for transplantation, hyperthermic intraperitoneal chemotherapy (HIPEC), and deep hypothermic circulatory arrest (DHCA). Perfusionists will also engage in research and academic activities related to perfusion techniques, equipment development, and clinical outcomes. The demand for perfusionists exists worldwide, with opportunities available in hospitals, cardiac surgery centers, research institutions, and specialized clinics.

Perfusionists will have exciting opportunities to serve in different segments of society, including

- Public sector hospitals
- Private sector hospitals
- Academics institutions
- Private medical colleges
- Institutions involved in human organ transplant







# **SCHEME OF STUDIES**

# **B.Sc.** (Hons.) Clinical Perfusion Sciences

Semeste r	Course 1	Course 2	Course 3	Course 4	Course 5	Course 6	Course 7
I	Functional English	Islamic studies/ethics	Quantitative Reasoning-I	Applications of information and communication technologies	Natural Science (Biochemistry)	Anatomy-I	Physiolog-I
п	Expository Writing	Ideology and Constitution of Pakistan	Quantitative Reasoning-II	Biochemistry	Anatomy-II	Physiology-II	Introduction of perfusion Sciences
III	Civics and Community Engagement	Social Science: A science of society	Basic Hematology	General Pathology	Cardiopulmonar y Anatomy	Cardiopulmon ary Physiology	Basic Perfusion Technology
IV	Biostatistics	Introduction to Entrepreneurshi p	Art, Craft & Calligraphy	Pharmacology- I	Medical physics	Basic Microbiology	Perfusion Technology-I
V	Pharmacology- II	Cardiac Diseases- I	Perfusion Technology-II	Medical Physics	Medical Professionalism	Pharmacology - II	
VI	Research Methodology	Perfusion Technology-III	Cardiac Surgery Procedures- I	Cardiac Diseases- II	Medicine Related To Perfusion	Field experience/int ernship	
VII	Ventricular assist devices	Critical care and monitoring- I	Cardiac surgery procedures- II	Pediatric perfusion technology-I	Non-Cardiac Perfusion Techniques	Field experience/int ernship	
VIII	ECMO & IABP	Critical care and monitoring- II	Pediatric Perfusion Technology-II	Disasters during CPB	Capstone project/Research Project	Field experience/int ernship	

**Faculty List** 



Sr. #	Name	Designation
1	Prof. Dr. M. Asim Khan	Professor
2	Dr. Salman Ahmed Shah	Professor
4	Dr. FaizRasool	Associate Professor
5	Azhar Iqbal	Chief Perfusionist
6	Sana Ullah	Perfusionist



#### CLINICAL PSYCHOLOGY

BS (Hons.) Clinical Psychology is a professional undergraduate degree program at UCHS for those who wish to pursue a career as a clinical psychologist. Undergraduates are taught to enhance their conceptual skills and apply advanced knowledge, principles, and methods relevant to the professional practice of Clinical Psychology. The degree aims to promote the international standards of Clinical Psychology in Pakistan as an independent discipline and cater to the growing demands of health sector.

The undergraduate Clinical Psychology program is a four-year full-time course consisting of eight semesters. Throughout the course, students will be taught on the basis of an integrated model, where lectures, workshops, and placements take place consecutively. It is a practice-based program where the specific focus is paid to the spirit of professional education and training in action. Each trainee is allocated a supervisor – a member of the faculty whom the trainee meets regularly in small group meetings for tutorials, seminars, and guidance. The supervisorwill monitor and evaluate the trainee's progress throughout the program. Under the dynamic supervision of qualified experts, students spend half of the time on practical training whereas the academic course accounting for the remaining time covers the wide areas of Childhood and Adult Disorders, Psychological Assessment of Children and Adults, Research Methods, Professional and Ethical Issues, and a Research Project.

The trainees are encouraged to develop competencies in basic clinical skills and work in clinical settings to address a wide range of psychological issues. Participants master the significant methodology of psychological assessment and therapeutic interventions and use these sensibly in a professional and ethical manner. Also, they carry out research in the field of Clinical Psychology.

#### **Need Assessment**

More than 20 million Pakistanis (10% of the country's population) suffer from some form of mental health condition. Similarly, an estimated 15% of world population is living with disability, 80% of whom reside in Global South including Pakistan. There is extreme shortage of mental health and disability services in the country. This course will be vital in taking the first step in producing professionals like Clinical psychologists to serve public in medical and educational institutions. This will also help to produce future teachers and researchers in the field.

#### **Scope Of The Program**

Clinical Psychology has scope in different public serving areas. Some are indicated as following;

- This degree can lead to a range of career options in Pakistan and abroad, including clinical practice, research, and teaching.
- In hospital setting, a clinical psychologist uses standardized assessment tools to help in diagnosis and aids in problem-specific therapies.
- They can serve as counselors in Disaster, Trauma and Emergency situations.



- Students after graduation and post-graduation can serve in different public and private sectors like,
- Hospitals (child and adult)
- Clinics
- Academic institutions
- Rehabilitation centers
- Military
- Education sector
- Special education centers
- Business and industrial organizations





## **SCHEME OF STUDIES**

The program is divided into 08 semesters (12 to 20 credit hours per semester) with ongoing formative assessment & summative assessment at the end of each semester. Scheme of studies for each semester is as follows:

Semester	Course 1	Course 2	Course 3	Course 4	Course 5	Course 6	Course 7
I	Functional English	Islamic Studies/ Ethics	Exploring Quantitative Skills	Applications of Information and Communicati o n Technologies	Biochemistry	Physiology-I	Anatomy-I
II	Expository Writing	Ideology and Constitution of Pakistan	Tools for Quantitative Reasoning	Biochemistry	Introduction to Psychology	Physiology- II	Anatomy-II
III	Civics and Community engagement	Social science: A science of society	Developmental psychology	Schools & perspective of Psychology	Biological Basis of Behavior	Health Psychology	
IV	Introduction to Entrepreneurshi p	Art, Craft and Calligraphy	Biostatistics	Experimental Psychology	Personality theories	Report writing	
V	Psychopath ology-l	Psychological Assessment-I	Psychologic al Assessment Practical	Medical Professionalism	Social Psychology	Supervised Clinical Practice I	
VI	Research Methodology	Data Analysis using SPSS	Psychopatholo gy-II	Psychological assessment II	Counseling psychology	Supervised Clinical Practice II	
VII	Positive psychology	Clinical Psychology	Supervised Clinical Practice III (child placement)	Research project			

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VIII	Capstone	Field	Forensic	Disaster &			
	project/Research	experience/int	Psychology	Trauma			
	Project	ernship (Adult		Management			
		placement)					

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# **Faculty List**

## **B.SC (HONS) CLINICAL PSYCHOLOGY**

Sr. #	Name	Designation		
1	Dr. Aisha Farid	AssociateProfessor		
2	Miss Fareeha latif	Principal Clinical Psychologist		
3	Anam Ali	Senior Clinical Psychologist		
4	Noor ulain	Clinical Psychologist/lecturer		
5	BushraShafique	Clinical Psychologist/lecturer		
6	TehseenBakhtiyar	Clinical Psychologist/lecturer		
7	Rabbia Ashraf	Clinical Psychologist/lecturer		



## **FACILITIES TO STUDENTS**

## **SAHS COMPUTER LAB**

SAHS has its own well equipped computer lab in School. Computer lab is now uplifted to meet the standards of University of Child Health Sciences. Our computer lab is furnished with up to-date computer systems and fulltime internet facility to aid students in meeting the demands of information technology.



## SAHS LIBRARY/ UCHS LIBRARY

SAHS has developed its own library since the inception of the School. Library is furnished with latest editions of recommended books of all discipline from various categories of health and sciences. SAHS library is now attached with the digital library of UCHS where students have access to all online reference journals and periodicals. These journals and online access helps in accomplishment of research work.







#### **ANATOMY MUSEUM**

Anatomy museum in SAHS, UCHS is maintained with cadaveric Skelton, different types of long and short bones, models of different systems of the body showing their nerves, muscles and blood supply. These models help students in understanding the anatomical regions, their locality and shape of different organs to aid in studies.



#### **AUDITORIUM**

University of Child Health Sciences auditorium acts as a nerve center for all activities and events that take place on the campus. The purpose built auditorium has an advanced lighting and sound system and has capacity of accommodating 300audience at a time. It has been built according to international standards and allows University to play host to a myriad of events such as conferences, speaker sessions, workshops and Seminars.





## **SOCIETIES/ COMMITTEES OF SAHS**

## **Qirat&Naat Society**

Qirat and Naat society is a very vital and vibrant society in UCHS which enhances the students' attachment to the religion of Islam. It also provides opportunity to keep them productively. It promotes religious tolerance by organizing religious seminars, polishing students' talent and skills developing them into all-rounder with grooming interventions, selfhelp resources, communication and management skills. The winners took part in competitions across the province. At the conclusion of events, prizes are bestowed upon winners as a token of encouragement and love.

## **Debate Society:**

Debate society fosters critical thinking by analyzing arguments and evidence from various perspectives. Participants learn to evaluate information critically, identify logical fallacies and construct well-reasoned arguments. The purpose of this society in UCHS is to install the passion for debates and value of words in students. It helps members to research, articulate arguments and clarify ideas. It enhances freedom of speech and critical thinking. Participants have chance to compete across the province. Awards are given for encouragement of students.

## **Magazine Society:**

This society promotes literacy awareness among students by making multi lingual magazine which covers all the activities conducted by UCHS. The purpose of this society is to provide a platform to the students to showcase their skills and creativity in literacy and art. It serves as a great platform for the young writers at UCHS to promote their work and show their creative skills by publishing their work. The students have opportunities to participate in literacy competitions at provincial level.



## **Dramatics Society:**

This society aims to indoctrinate the positive cultural heritage in addition to promote extracurricular educational message. The function of this society is to instill love and recognition for drama and develop innovative and courageous artists poised to be creative leaders of tomorrow. This will improve students' critical thinking skills, communication skills, management of affective factors and performance skills.

## **Sports Society:**

The objective of sports society is to promote physical fitness and to inculcate in students qualities such as teamwork and sportsmanship. It provides recreational as well as competitive environment for future career development amongst youth. It promotes mode of relaxation through organizing sports events and development of inner hidden qualities of students alongside focusing on physical fitness. By joining the society, students have chance to improve concentration, keep their brains in god shape and happier. It enhances sense of healthy competition. Medals are awarded for encouragement of students. Students have the opportunity to participate in following games

- Cricket
- Badminton
- Football
- Races
- Tug o war

### **Event Management Society:**

The aim of this society is to provide leadership and management skills and organization of university events. The students reflect innovative ideas of thematic décor of the university events and management of extra-curricular activities held in UCHS. It,s a great platform which polishes organization and management skills of students by providing them opportunities and encouraging them by giving them confidence and appreciation certificates.











































## OTHER CURRICULAR ACTIVITIES

#### **Convocation:**

Annual Convocations are a time-honored tradition where we gather to honor and confer degrees upon our graduating students. Convocation serves as a symbol of the knowledge, skills, and experiences gained during your time at University as you step into the world fully equipped to make your mark. It is a formal ceremony where individuals, typically students, are awarded academic degrees, often marking the successful completion of their academic programs.

We have successfully conducted 3 convocations for our previous batches in 2017, 2018 and 2019.

Best Graduate from every discipline of each session was awarded with Gold Medals to praise their academic achievements.









## Scientific Exhibition:

Scientific exhibition at SAHS, UCHS is a fusion of creativity and knowledge, where scientific concepts come to life and inspire the next generation of scholars and innovators. Our Annual Scientific Exhibition is a reflection of our dedication to pushing the boundaries of human understanding and addressing some of the world's most pressing challenges. Every brilliant experiment, like every great work of art, start with an act of imagination. The scientific exhibition provides students with a platform to explore their ideas and demonstrate their hard work practically through the creation of models. These models not only showcase their innovative concepts but also imply their deep passion for their respective field. The judging panel recommends that the students create a duplicate of their models and place them in the on-site display area for practical implementation.



## 1<sup>ST</sup> UCHS ALLIED HEALTH CONFERENCE:

The1st Allied Health Sciences Conference UCHS, titled "Strengthening of Child Health Care: Role of Allied HealthProfessionals: was held on 26<sup>th</sup>& 27<sup>th</sup> October 2022. Vice Chancellors of all Medical Universities and Allied Health Sciences Universities were invited. Principals, Personnel and professionals of Allied Institutes from all over Punjab attended the conference. AHC included state of the art lectures by international speakers, invited talks and panel discussion of the experts in the field. Pre and Post Conference hands-on workshops were conducted by each discipline of AHS.

Focus of the conference was to highlight the significance of allied health professionals within the medical field and to emphasize the collaborative teamwork of these professionals and how the absence of any team member can impact patient care. Moreover, the conference showcases research opportunities for students in their respective fields and encourages them to strive for excellence.



## **BLS WORKSHOP:**

BLS workshops are important because they equip individuals with the knowledge and skills needed to respond effectively in life-threatening situations. These workshops can make the difference between life and death and contribute to safer and more prepared communities BLS Course is designed to educate how to perform CPR (Cardiopulmonary Resuscitation) and AED (Automated External Defibrillator) in a wide variety of in-facility and prehospital settings.

Every year we arrange BLS workshops for our students. Students of UCHS participate and perform CPR under guidance of the expert team. There is pre and post evaluation of all attendees and students are provided by

certification.









## **IMPORTANT CONTACTS**

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