



Sri Guru Ram Das University of Health Sciences

Mehta Road, Vallah, Sri Amritsar (143501)

(Established Under Punjab Govt. Act No. 43 of 2016)



PROSPECTUS

CUM INFORMATION
BULLETIN

SESSION 2023-24

FOR ADMISSION TO

Ph. D. Courses

Website : www.sgrduhs.in

for any other query contact: 0183-2870200, 0183-2870419, 0183-2870416

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1. **ABOUT THE UNIVERSITY**

Sri Guru Ram Das University of Health Sciences (SGRDUHS) is a State Private University declared on November 17, 2016 vide ordinance no. 7/2016, under the Punjab Private University Policy 2010, established under Punjab Act no. 43 of 2016. It consists of Sri Guru Ram Das Institute of Medical Sciences and Research (SGRDIMSAR), Sri Guru Ram Das College of Nursing (SGRDCON) and Sri Guru Ram Das Rotary Cancer Institute (SGRDRCI). Sri Guru Ram Das Charitable Hospital which came into existence in the year 1977, Medical and Cancer and Nursing Institute's in the year 1997, 1997 and 2001 respectively have been managed under the aegis of Sri Guru Ram Das Charitable Hospital Trust, Sri Amritsar. Added to this 1000 bedded SGRD Charitable Hospital Vallah, Cancer Institute and one primary rural health center and one urban health center are the epicenter of comprehensive quality health care services to rural, needy, marginalized and underprivileged population. Every institute under the university has world class facilities and pedagogy, which are constantly reviewed and upgraded to reflect the latest trends and developments in higher education. The University follows highest professional academic standards and integrates clinical, biomedical and empathic attitude to promote health and well being of patients and the community. There is a commitment to produce physicians and health care professionals that will address local, national and international challenges in medicine in relation to patients and community care.

The Sri Guru Ram Das University of Health Sciences offers Ph.D. programme in the disciplines of Anatomy, Biochemistry, Microbiology, Nursing Sciences, and Physiology. The SGRDUHS having access to a 1000 bed tertiary care hospital and well equipped Sri Guru Ram Das Rotary Cancer Institute has foreign qualified faculty and appropriate facilities for biomedical research.

VISION

Imparting education and research that prepares Scholars to be leaders for the emerging global society.

MISSION

Design and deliver medical educational programs to help the work force stay current in terms of knowledge and skills for career advancement.

Groom students to take up leadership positions in their chosen medical fields. Make research and development an integral part of the university culture.

2. IMPORTANT DATES

Last date for submission of Online application form along with online Application Fee (i.e. Application Fee: Rs. 2000/-)	07/06/2023
Last date for late submission of online application form along with online application fee and documents -with extra late fee of Rs 500/-	12/06/2023
Date of Entrance test	Detail Updates on website
Date of Interview for selected Candidates	
Eligibility criteria	Master's degree in relevant subject with 55% marks or equivalent CGPA (50% marks for SC/ST/OBC non-creamy layer/differentially abled) in aggregate.
Commencement of the programme	to be announced soon

3. IMPORTANT INFORMATION

- I. Please visit our website www.admission.sgrduhs.in for all regular and updated information concerning Admissions/Date of counseling from time to time.
- II. Fee once paid shall not be refunded/adjusted in any case.
- III. The Prospectus is subject to alteration/modification without notice. Updates will be displayed on University website www.admission.sgrduhs.in

4. IMPORTANT INSTRUCTIONS

1. Mere submission of application form/deposition of application fee will not entitle a candidate for admission.
2. Notwithstanding the participation of candidates in counseling (interview), only eligible for admission.
3. Candidates applying under any of the reserve categories are directed to attach all relevant documents/proof of respective category with the application form and also directed to bring along the originals at the time of counseling. Such documents will be subject to verification/validation.
4. It is the responsibility of the candidate to check the schedule of admission; discrepancies, if any, must be brought to the notice of the Office of the Registrar immediately.
5. Eligibility conditions are mentioned in the Prospectus. However, final eligibility will be determined by Admission-cum-Counseling Committee at the time of counseling.

5. PROCEDURE TO FILL ONLINE APPLICATION FORM

1. Before applying, the candidate should carefully read PROSPECTUS for eligibility conditions and other important instructions.
2. Only one application is to be submitted by a candidate. Submitting more than one application by a candidate is liable to be rejected.
3. After filling online application, the candidate should deposit requisite fee in the University through online mode using Payment **Gateway through net banking, debit card, credit Card and UPI (Google Pay, Phone Pe, Paytm etc)**. The fee shall not be accepted in any other mode i.e. Cheque etc.
4. Please fill valid Mobile No. and E-mail address to receive information regarding application from time to time in the form of SMS and E-mail. Candidate will also receive his/her Registration No. and Password on the given Mobile No. and E-mail address. After filling online application form by a candidate, University will issue a Unique Registration Id. Registration id (i.e. Login Id) and password will be provided to the candidate at his/her registered Mobile Number through SMS and E-mail.
5. The date should be filled in the format of dd/mm/yyyy i.e. date/month/year.
6. Application ID and Password is mandatory for further processing, so keep it secret and don't disclose to any unknown person.
7. The candidate is required to login to upload photograph, edit application, application status and to change his/her password options.
8. For uploading photograph, the candidate is required to login by entering Registration No and Password. The size of the photograph should not be more than 2MB.
9. **Locking of Application:** To get a printout of online application form, the candidate is required to lock the application. Once the application is locked the candidate will not be able to edit his/her application data, so be sure that the entered data is correct before locking the application form.
10. All application forms will be locked automatically, after the cut off date. Once the application form is locked, it can't be unlocked by applicant.
11. Candidates are advised to always Log out the application form when they are leaving the computer.
12. Hall Tickets enabling the candidates to take the Entrance Test will also be displayed on SGRDUHS website. Candidates are required to download and print the same to appear in the Entrance Test.
13. Candidates are required to bring with them an original identity proof having photograph, such as Aadhar Card, Voter ID Card, Driving License, Passport and ID Card issued by Govt. Agencies

6. GENERAL INFORMATION

- I. Applications are invited for admission to Ph.D. programme in selected disciplines for the July 2023 session.
- II. The Ph.D. Programme is offered in strict compliance with the UGC (Minimum

- Standards and Procedures for award of Ph.D. Degree) Regulations, 2022 and amendments there to from time to time.
- III. Selected candidates will be governed by SGRDUHS Ordinance/SGRDUHS Regulation/Guidelines for conduct of Ph.D. Degree Programme.
 - IV. Admission to the Ph.D. Degree Programme is strictly on merit, based on the performance in the Entrance Test and Interview.
 - V. The syllabus of the Entrance Test is as per the 'University Grants Commission (UGC (Minimum Standards and Procedures for award of Ph.D. Degree) Regulations, 2022 comprising 50% on Research methodology and 50% on specific subject.
 - VI. The question paper shall have questions consisting of 50% on research methodology and 50% on specific subject.
 - VII. The Entrance Test shall carry a weightage of 70% and 30% weightage shall be given to the interview/viva.
 - VIII. SGRDUHS offers Ph.D. Programme under two categories: Part time and Full time.
 - IX. Both categories of students will be required to attend classes of course work during first semester allotted to them.
 - X. In case a candidate does not meet minimum eligibility criteria and appears in the entrance test, it is at the candidates own risk and cost and if at any stage, it is found that the minimum eligibility criteria requirements are not fulfilled, the admission, if granted, shall be cancelled.
 - XI. The minimum duration of Ph.D. Programme is three years for full time and four years for Part-time respectively. The Women Candidates and Persons with Disabilities (40% or more /“severe” where percentage is not defined) are given two years extra in the minimum duration.
 - XII. The Ph.D. Programme involves coursework during the first six months of admission, which will be conducted in SGRDUHS. A student has to attend the coursework on a regular basis. At least 75% attendance is compulsory.

7. ELIGIBILITY CRITERIA FOR Ph.D. ADMISSION

Ph.D. Programme	Eligibility
Medical Anatomy	At least 55% marks or equivalent grade 'B' in the UGC 7-point scale in MD/MS/MDS or M.Sc. in Anatomy
Medical Biochemistry	At least 55% marks or equivalent grade 'B' in the UGC 7-point scale in MD/MS/MDS or M.Sc. in Biochemistry (Preference given to Medical Biochemistry)
Medical Microbiology	At least 55% marks or equivalent grade 'B' in the UGC 7-point scale in MD/MS/MDS or M.Sc. in Microbiology (Preference given to Medical Microbiology)
Medical Physiology	At least 55% marks or equivalent grade 'B' in the UGC 7-point scale in MD/MS/MDS or M.Sc. in Physiology
Nursing Sciences	At least 55% marks or equivalent in M.Sc. in Nursing Sciences (Only Female Candidates)

Candidates for admission to the Ph.D. programme shall have a Master's degree or a professional degree declared equivalent to the Master's degree by the corresponding statutory regulatory body, with at least 55% marks in aggregate or its equivalent grade 'B' in the UGC 7-point scale (or an equivalent grade in a point scale wherever grading system is followed) or an equivalent

degree from a foreign educational Institution accredited by an Assessment and Accreditation Agency which is approved, recognized or authorized by an authority, established or incorporated under a law in its home country or any other statutory authority in that country for the purpose of assessing, accrediting or assuring quality and standards of educational institutions.

Candidates who have cleared the M.Phil. course work with at least 55% marks in aggregate or its equivalent grade 'B' in the UGC 7-point scale (or an equivalent grade in a point scale wherever grading system is followed) and successfully completing the M.Phil. Degree shall be eligible to proceed to do research work leading to the Ph. D. Degree in the same Institution in an integrated programme. A relaxation of 5% of marks, from 55% to 50%, or an equivalent relaxation of grade, may be allowed for those belonging to SC/ST/OBC (non-creamy layer)/differently-abled and other categories of candidates as per the decision of the Commission from time to time.

8. PROCESS OF ADMISSION TO PH.D. PROGRAMME

An Entrance Test followed by interview will be conducted as per orders of Registrar, SGRDUHS. The question paper shall be of two hours duration; one hour shall be for testing Research Aptitude (General) and one hour shall be devoted for testing the domain knowledge of the candidate. The interview committee should be organized by the Registrar as per the specialization of the admitted candidates. The candidate scoring 50% or more marks shall only be considered for provisional admission to Ph.D. Relaxation of 5% marks (from 50% to 45%) shall be allowed for the candidates belonging to SC/ST/OBC (Non creamy layers)/ Differently-abled category in entrance examination. The unfilled seats allotted to SC/ST/OBC/Differently-abled category will be filled by launching a special drive to fill these seats within one month of closing the admission. The candidates who qualify UGC-NET (including JRF)/UGC-CSIR NET (including JRF)/SLET/GATE/ teacher fellowship holder or have passed M. Phil programme or foreigners will be eligible for admission through interview only.

The qualified entrance examination certificate shall be valid for one year from the date of the entrance test till the next entrance test is notified.

9. CATEGORIES OF PH.D. CANDIDATES

There shall be two categories of Ph.D. candidates

FULL-TIME CANDIDATES

PART-TIME CANDIDATES (INTERNAL AND EXTERNAL)

A. FULL -TIME PH.D. CANDIDATES

The full time research scholar without performing any other job or assignment within or/and from another college/institution and is being supported with/without a fellowship/scholarship. A person working in Sri Guru Ram Das University of Health Sciences in a project sponsored by the UGC/CSIR/ICSSR/ICAR/MOEF/DST/DBT/

ICMR and other funding agencies with a duration of not less than two years shall also be eligible to register for Ph.D. under this category, provided his/her Principal Investigator offers his/her consent and the candidate fulfills the eligibility criteria mentioned above.

B. PART-TIME TEACHER CANDIDATES (INTERNAL & EXTERNAL)

i. PART-TIME INTERNAL CANDIDATES

The eligible candidates are those working as temporary or regular faculty members in various Departments/Colleges of this University.

ii. PART-TIME EXTERNAL CANDIDATES

The eligible candidates are those who are working in any educational/research Institution other than SGRDUHS. Such candidates will have to provide the details of the research facilities as required for pursuing the programme at their parent institution and have these accredited by the concerned authorities of SGRDUHS or alternatively will have to carry out research work at the facilities of SGRDUHS. Such candidates shall provide a **No Objection Certificate (NOC)** from their employer for pursuing Ph.D. programme at SGRDUHS. They will also be required to provide the detail of a Co-Supervisor from their parent institution to supervise the research work. The person to be eligible to be Co-Supervisor should be a regular Professor with five publications or a regular teacher holding Ph.D. degree with minimum two research publications.

10. FEE STRUCTURE OF Ph.D. PROGRAMME

Fee Structure	Periodicity	General Management Quota/General Minority Quota
Tuition Fee	Per Semester	Rs. 30,000/- (<u>For Full Time</u>) Rs. 35,000/- (<u>For Part Time</u>)
Registration Fee	One Time	Rs. 10,000/-
Hostel Fee	Annual	Rs. 25,000/-
Student Amenities Fee	Annual	Rs. 3,500/-
Examination Fee	Per Semester	Rs. 5,000/-
Thesis Submission Fee	One time	Rs. 20,000/-

Fee will be paid semester wise for the two semesters in a year. Enrolled scholar will pay fee for the minimum period (3 years for Ph.D. full time and 4 years for Ph.D. part time) or until thesis submission, upper limit being 6 years as per the University Regulations.

NOTE: Fee for extension period Rs. 20,000/- per year. If the candidate does not turn up for viva-voce

then scholars have to reapply for the examination and fee for the same will be charge Rs. 20,000/- again. Thesis submission fee Rs. 20,000/- and a late thesis submission fee of Rs. 3,000/-.

11. DURATION OF THE PROGRAMME

Four years for part-time candidates and three years for full time candidates after completion of 10-16 credit hours course work. The course work is expected to be completed in one semester but the candidates will have the choice to complete it in two semesters also.

Further that the maximum time limit for submission of thesis after the date of provisional registration will be seven years for male candidates and eight years for female candidates and person with disability (more than 40% disability), after which no extension will be granted (After four/three years, the Dean Academic Affairs may, on the application of the candidate recommended by the Supervisor and forwarded by the Head of the department concerned, extend the period by one year followed by another year. After a period of six years, from the date of provisional registration, on a request made by the candidate, the Vice-Chancellor after considering the recommendations of the Dean Academic Affairs may condone further delay in the submission of thesis up to one year in very special circumstances). If the candidate is unable to submit the thesis after the completion of the extended time period, the registration of the candidate will automatically stand cancelled after he/she has availed the extensions to be allowed by the Dean Academic Affairs/Vice-Chancellor for submission of Ph.D. thesis. In addition, the women candidates may be provided Maternity Leave/Child Care Leave once in the entire duration of Ph.D.

12. NUMBER OF SEATS

Ph.D. scholars to be admitted depending on the number of available Research Supervisors and other academic and physical facilities available, keeping in mind the norms regarding the scholar-teacher ratio, laboratory, library and such other facilities.

13. COURSE WORK

Ph.D. course work shall be a minimum of 08 credits and a maximum of 16 credits and prerequisite for Ph.D. degree. After approval from the Board of studies and Academic council of Sri Guru Ram Das University of Health Sciences the course work will be initiated. The coursework will be initiated in August session only.

14. INTERNAL ASSESSMENT (Choice Based Credit System)

During the semester, students shall be continuously evaluated for academic performance in each course through surprise test (s), three pre-announced examinations (First hourly examination, midterm examination and second hourly examination), tutorials, assignment (s), term paper, field work, class seminar (s) and the End-Semester Examination. The weightage for Continued Internal Assessment and the End Semester Examination shall be equal.

15. OTHER REQUIREMENTS

A. Minimum 75% attendance in each course is essential. Attendance shortage up to 10%

may be condoned after payment of fine of Rs. 500 to Rs. 2,000 for each course. Candidates with less than 65% attendance shall be detained and they have to register again for the course. **The residential requirement for part time candidates is required for one semester during the course work.**

- B. The attendance of part time internal candidates shall be recorded at their work place by the supervisor and a monthly attendance report shall be forwarded to the Coordinator of Ph.D. Programme, through the respective HOD/Principal. The full time candidates report to the respective department for attendance. A no objection certificate from the employer, a certificate from employer regarding availability of basic research facilities in the college/institute for part-time candidates.
- C. Upon satisfactory completion of course work and the Ph.D. scholar shall be required to undertake research work.

16. RESEARCH WORK

After the completion of Ph.D. course work from August to December period, the Preparation of synopsis of research work to be carried out by the scholar in January session.

17. CHRONOLOGY OF EVENTS FOR PH.D. PROGRAMME

Sr. No.	Events
1.	Issue of Admission notification
2.	Entrance test (no test for candidates having qualified UGC-CSIR NET and having M. Phil. degree) and interview.
3	Issue of list of admitted candidates.
4.	Start of course work in respective departments.
5.	Applications for exemptions from course work to candidates having evidence of clearing course work in previous degree programme (s).
6.	Course work examinations
7.	Provisional registration
8.	Allotment of a research supervisor
9.	Constitution of Research Advisory Committee
10.	Preparation of synopsis of research work to be carried out by the scholar
11.	Synopsis seminar
12.	Suggestions on synopsis from faculty
13.	Approval of synopsis from Research Committee and Ethical Committee.
14.	Acceptance of synopsis
15.	Initiation of research work
16.	After every six month Research Advisory Committee meetings

17.	Completion of research work
18.	Pre-submission research publications
19.	Pre-submission seminar
20.	Thesis writing and submission
21.	Evaluation of thesis
22.	Public defense and viva-voce

18. DEPOSITORY WITH INFLIBNET

Following the successful completion of the evaluation process and before the announcement of the award of the Ph.D. degree(s), the University will submit an electronic copy of the Ph.D. thesis to the INFLIBNET, for hosting the same so as to make it accessible to all Institutions/Colleges.

19. DISCIPLINE AND CONDUCT

1. The students in the campus shall be required to conduct themselves with utmost discipline and conduct for which they and their parents shall have to give a self attested undertaking to the Registrar at the time of admission.
2. It is expressly implied upon the students and their parents to ensure a good disciplinary and moral conduct, failing which, the students may be rusticated from the institution or may be asked to vacate hostel accommodation.
3. The students will have to submit a joint undertaking by the candidate and his/her parents /guardians

20. LECTURE THEATERS

1. Wearing of white coat (where applicable) with SGRDUHS emblem and name plate on left top pocket is compulsory for all the students. Identity card must be displayed at all the times in the campus.
2. No student is allowed to leave the lecture room without the permission of his/her teacher or until the class is dismissed.
3. A student coming late into the Lecture theater will be marked absent unless his/her excuse for being late is accepted by the teacher. Disciplinary action will be taken against any student misbehaving in the class room.

21. LEAVE

1. Period of ANY TYPE of leave (including sick leave) will be considered as ABSENCE for the purposes of determination of candidate's eligibility to appear in the University examination and also for computation of Internal assessment.
2. In all cases leave taken will be at the student's own risk so far as the percentage of attendance is concerned and even medical certificate will NOT make up for deficiency in attendance.
3. Sick leave will only be granted on the production of a valid medical certificate from an authorized medical officer. The student will submit fitness certificate from same doctor before rejoining.

4. A medical certificate must specify the nature of the illness and the period with dates of leave recommended on account of that illness.

22. GENERAL RULES

1. Students are required to observe order and discipline at all times in the University.
2. Following are strictly forbidden in the University and its premises:
 - a) Smoking and possession or use of alcoholic beverages or delinquency under the influence of alcohol.
 - b) Possession or use of addictive or hallucinogenic drugs.
 - c) Gambling.
 - d) Possession of or use of firearms, any lethal weapon or explosives.
 - e) Displaying and distribution of partisan, anti-secular and political pamphlets or circulars etc. in the university, hostels and hospital premises are not allowed.
 - f) All irregularities and breach of discipline will be brought to the notice of the Registrar by the teachers under whom the student is working.
 - g) Any student breaking or damaging any university property shall be required to pay the cost of repair or replacement and shall be punished under the university disciplinary rules.

23. HOSTEL RULES

- I. Sri Guru Ram Das University of Health Sciences is a residential complex.
- II. Adequate hostel facilities are available.
- III. Students will apply for hostel accommodation and allotment of hostel accommodation will be made on merit subject to availability.
- IV. All students will follow the hostel rules, as applicable

24. SYLLABUS FOR ENTRANCE TEST - ADMISSION TO Ph.D. PROGRAMME

The question – cum answer booklet will have two parts. Part I will consist of 50 multiple choice questions (MCQ) to test the research aptitude of candidates. Part II will also consist of 50 multiple choice questions (MCQ) to test the domain knowledge of candidates. The syllabus for Part I for all Ph.D. programmes will be same. The questions will be of Master’s degree level. The syllabus for Part I and Part II is given below:

Part I will cover general principles of research including formulation of hypothesis and its testing, development of research plan and biostatistics which covering following content:

- a) **Planning of Research:** planning process, selection of a problem for research, formulation of the selected problem, hypothesis formation, measurement, research design and plan.
- b) **Tools of data collection:** Type of data, construction of schedules and questionnaires, measurement of scales and indices, pilot studies and pre-tests.
- c) **Sampling:** sampling techniques or methods, choice of sampling techniques, sample size, sampling and non-sampling errors. Sampling variability and significance: testing statistical hypothesis, tests of significance, Z-test, one-tailed and two tailed tests.
- d) **Methods of data collection:** Meaning and importance of data, sources of data, uses of secondary data, methods of collecting primary data, observation method.
- e) **Variability and its measures:** Types, biological, real, experimental, measures of variability, range, semi-interquartile, range (Q), mean deviation, standard deviation (SD), coefficient of variation (CV), standard error of mean, applications and uses, standard error of difference

between two means of large sample, small sample, t-test unpaired, paired, variance ratio test, analysis of variance.

- f) **Probability:** Addition law of probability, multiplication law, binomial probability distribution, probability chance from shape of normal distribution or normal curve.
- g) **The Chi-square Test:** Alternate test to find significances of difference in two or more than two proportions, as a test of association between two events in binomial or multinomial samples, as a test goodness of fit, calculation of χ^2 value, restrictions in application of χ^2 test, Yates corrections.

Part II. Subject wise syllabus is given below

1. Anatomy

General Anatomy, histology, Embryology, Neurology- Brachial Plexus, Radial, Median, Ulnar, Axillary & Musculocutaneous Nerve Mammary gland, blood Vessels, Neurology – Lumbar & Sacral plexus formation sciatic, femoral, obturator, tibial and common, peroneal Nerve & blood vessels, Peritoneum, Abdominal Organs – stomach, spleen, liver, biliary, apparatus, pancreas, small & large Intestine, kidneys ureters, suprarenal glands, Glands –Thyroid, Parathyroid, parotid, submandibular, sublingual, pituitary Viscera –Scalp, palatine tonsil, Middle ear, Part of External and internal ear, Meninges, fetal Skull, Subclavian, Carotid system, Ext & Internal, Jugular veins, venous sinuses, Lymphatic drainage of head & neck, Cranial Nerves, branches & cervical plexus, Brain & Neuroanatomy, Human Genetics.

2. Biochemistry

Structure of atoms, molecules and chemical bonds. Composition, structure and function of biomolecules: Carbohydrates, lipids, proteins, nucleic acids and vitamins. DNA, RNA and Protein synthesis. Stabilizing interactions: Van der Waals, electrostatic, hydrogen bonding, hydrophobic interaction, etc. Principles of biophysical chemistry: pH, buffer, reaction kinetics, thermodynamics, colligative properties. Bioenergetics, glycolysis, oxidative phosphorylation, coupled reaction, group transfer, biological energy transducers. Principles of catalysis, enzymes and enzyme kinetics, enzyme regulation, mechanism of enzyme catalysis, isozymes. Conformation of proteins: Ramachandran plot, secondary structure, domains, motif and folds. Conformation of nucleic acids: Helix (A, B, Z), t-RNA, micro-RNA. Stability of proteins and nucleic acids. Metabolism of carbohydrates, lipids, amino acids nucleotides and vitamins.

3. Microbiology

Introduction to Bacteriology and morphology of bacteria, Growth and Nutrition of Bacteria, Bacterial Genetics, Sterilization and Disinfection, Culture media and Culture Methods, Microbial Pathogenicity, Antimicrobial agents, their mode of action and resistance, Bacterial Taxonomy. Microbial diseases: Tuberculosis, AIDS, candidiasis, malaria. Important diseases of plants: Downy mildew of pearl millet, panama wilt of banana, bacterial leaf blight of rice, TMV. Antibiotics: Types, mode of action and resistance. General outline and classification of viruses, bacteriology. Mycology: Introduction and classification of fungi and fungal diseases. General Virology/Properties of Viruses. Infection and Immunity, Antigens, Antibodies–Immunoglobulin (Monoclonal Antibodies), Antigen–Antibody Reactions, Complement system, Structure and Functions of the Immune system, Immune response–Humoral and cellular, Hypersensitivity, Histocompatibility system.

4. Nursing Sciences

Current trends and issues in Child Health Nursing, Pre-natal Pediatrics and Growth & Development of children, Behavioral and Preventive Pediatrics, Community Health Nursing: Community Health Nursing Trends & Issues, Population dynamics and control, Epidemiology,

National Health and Family Welfare Programmes, IMNCI (Integrated Management of Neonatal and Childhood Illness) module, Medical Surgical Nursing, Current trends in Adult Health Nursing, Health Assessment and care of patients in hospital setting, Management of patients with disorders of gastro intestinal tract, nervous system, respiratory system, cardio vascular system, blood, genito urinary system, endocrine system, musculo – skeletal system, integumentary system, Eye & ENT and reproductive system, Geriatric nursing, Emergency, trauma and multi system organ failure, Current trends and issues in Mental Health Nursing, Stress Management and Therapeutic Communication & Interpersonal relationship, Psycho Social and Physical Therapies, Psychiatric disorders, Substance related disorders, Obstetrics & Gynecological Nursing, Current trends and issues in Maternal Health Nursing, Pregnancy, Normal Labour and Puerperium & Nursing Management.

5. **Physiology**

General physiology, body fluids and blood, nerve and muscle, gut and nutrition, excretory system, skin and body temperature, respiratory system, cardiovascular system, endocrine glands, reproductive system, nervous system, special senses.



SRI GURU RAM DAS UNIVERSITY OF HEALTH SCIENCES, Sri Amritsar

(Established Under Punjab Govt. Act No.43 of 2016)

ADMISSION ENQUIRY

0183-2870200, 2870419, 2870416

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