

## Guidelines for BSc Allied Health Sciences (AHS) Courses AIIMS, Rishikesh

### 1. Allied Health Science (AHS)

Allied Health Science education is related to the delivery of healthcare services that qualifies an individual with competence in therapeutic, diagnostic, curative, preventive and/or rehabilitative interventions. AHS professionals work in multidisciplinary health teams in varied healthcare settings including doctors (physicians and specialist), nurses and public health officials to promote, protect, treat and/or manage a person('s) physical, mental, social, emotional, environmental health and holistic well-being

### 2. Learning Goals & Objective:

These are based on the performance expectations so that students will learn to integrate their knowledge, skills and abilities in a hands-on manner in a professional healthcare setting. These learning goals are divided into nine key areas, though the degree of required involvement may differ across various levels of qualification and professional cadres:

- i. Clinical care, using a patient/family-cantered approach and best evidence with the ability to identify the indications for basic procedures and perform them in an appropriate manner.
- ii. Communication with patients/clients, care-givers and other health professionals effectively about the nature, purpose, possible positive- adverse consequences, its limitations, and reasonable alternatives of their related healthcare field.
- iii. Membership of a multidisciplinary health team by recognizing, clearly articulating, understanding and supporting shared goals in the team that reflect patient and family priorities.
- iv. Ethics and accountability of professional health delivery services at all levels i.e. personal and social.
- v. Commitment to professional excellence by embracing technical competence, appearance, image, confidence level, empathy, compassion, understanding, patience, manners, verbal and non-verbal communication, an anti-discriminatory and non-judgmental attitude, and appropriate physical contact to ensure safe, effective and expected delivery of healthcare.
- vi. Leadership and mentorship role wherever needed in order to ensure clinical productivity and patient satisfaction by identifying priorities, evolving self-confidence and ability to work independently.
- vii. Social accountability and responsibility by signifying knowledge of the determinants of health at local, regional and national levels and respond to the population needs.
- viii. Scientific attitude and scholarship by practicing evidence-based principles of scientific methods
- ix. Lifelong learning with refining existing skills and acquiring new skills.

### 3. Eligibility for Admission

The exam for the selection in these courses is conducted by AIIMS, Delhi.

- The candidate must be an Indian citizen, attained or will attain the age of seventeen years as on the 31st of December of the year of admission.
- The candidate has passed the qualifying examination-12th class under the 10+2 scheme/Senior School Certificate Examination or Intermediate Science or an equivalent examination from a recognised University/ Board of any Indian State with English, Physics, Chemistry and Biology with minimum aggregate of 50% marks 50% for Gen / OBC (NCL)/EWS and 45% in case of SCs / STs Categories.

### 4. Course Fee and Course leaving Fee

*[Handwritten signatures and initials are present at the bottom of the page, including "Jyoti Chandra", "U", "J.D. Khurana", "h", "M", and "Sm"]*



As per fee structure approved in AC 12.13 page 15/17 dated 09.10.23. (Rs. 1195/ and examination fee as per institutional policy).

If a candidate who leaves any of the B. Sc. AHS courses in between before completion, shall be liable to pay a sum of Rs. 5000/- (Rupees Five Thousand only) by way of compensation/losses incurred by the institute due to such midstream departure, otherwise his/her 'original certificates' will be retained.

### 5. Course Duration

4 year programme (3 years +1 year of internship / clinical training)

### 6. Hostel Facility

Not available presently due to shortage.

### 7. Dress Code

Wearing scrub suits with Plain Trouser of 'Darkest shade of Orange'- Spice colour is mandatory for all AHS students.

### 8 Medium of instruction

English shall be the medium of instruction for all the subjects of study.

### 9. Duties and Responsibilities of AHS Students

- To abide with all the rules and regulation of AIIMS, Rishikesh
- To attend regularly all the ordained undergraduate theory and practical classes.
- To participate sincerely in all the competency based clinical procedures.
- To appear regularly in all the formative and summative assessment.
- Not to indulge in any kind of ragging of junior students.

### 10. BSc Training Program

#### 10.1 Initiation of course

Classes of students will begin within 7-10 days of completion of second counselling.

#### 10.2 Course Coordinator

- 'Head of Department' of each department will be 'primarily' responsible for all the academic and administrative activities of all the four years related to respective BSc AHS course.
- HOD will appoint a faculty as a 'course coordinator' for facilitating the training program.
- As in any other academic course HOD along with course-coordinator has to organize, synchronize and harmonize the curriculum, teaching-learning activities of the students, communicating with resource faculty from other participating departments for scheduling classes (theory & practical), maintaining attendance and conduction of various examinations on scheduled dates.
- For all the three years including first year, 'parent department' must maintain the record of attendance & internal assessment and should submit to the Dean Academics on the regular basis.
- Unauthorised absence of students will be informed to the Students and Parents with a copy to Dean Academics at least with 3 reminders with a gap of 10 days by HOD. Thereafter the action of cancellation of the registration of the course registration may be decided by the Dean/Director, AIIMS, Rishikesh.

#### 10.3 Monthly teaching schedule

- Course running department should work out the monthly teaching schedule in consultation with various departments involved in teaching-learning modules.

*[Handwritten signatures and initials at the bottom of the page]*



- A list of the subjects in each term and a copy of monthly schedule should also be submitted to the Dean office.

#### 10.4 Internal Assessment (Formative Assessment)

- Course running department (parent dept) should conduct regular 'Formative Assessment' i.e. regular Internal assessments and 'Six Monthly End Term' examination (If need is there, in collaboration with the associate teaching departments).
- A record of Internal assessment should also be maintained meticulously and should be submitted to the Dean Academics on the regular basis.

#### 10.5 Attendance

- Course running department should maintain a record of 'Attendance' (including first year) and should be submitted to the Dean Academics as well on the regular basis.
- A student must obtain 75% attendance combined in theory and practical in each of the subjects for that year to be permitted to appear in exit/ final examination to be held at the end of the year.

#### 10.6 Curriculum

Curriculum should be planned and approved in a 'Board of Studies' meeting (at least three yearly for updating curriculum) for each course running department after consulting international & national benchmarks, MOHFW guidelines for Allied and Healthcare Professionals and integrating educational philosophy of AIIMS, Rishikesh.

Following areas should be addressed and incorporated:

- Competency based curriculum
- Definite predetermined performance based outcomes
- Attainment of clinical, practice-oriented competencies and soft skills
- Module-based teaching hours for each subject for theory and practical
- Self-directed learning
- Integration - Horizontal and Vertical

- The common general module for each course will be as follows:

##### 10.6.1 Foundation Course

- This aims to orient the student to basics of national health systems, self-directed learning, medical ethics, medical terminologies, basic clinical skills & professionalism communication skills, basic life support, computer learning, infection prevention and control, environmental issues and disaster management, as well as orientation to the community with focus on issues such as gender sensitivity, disability, human rights, civil rights etc.
- It is the duty of course running department to get the training of students completed before their final exams for BLS, Hand Hygiene & Biomedical waste management, Hospital Infection control, Occupational Health Hazards & Vaccination, Effective Digital Presentation etc.

##### 10.6.2 First year of BSc courses

- All students of first year BSc AHS course will be primarily posted/associated to their course running department and part of curriculum scheduled for first year will be conducted there.
- These students will also attend mandatorily common classes of pre-clinical subjects i.e. Anatomy, Physiology, Biochemistry. These departments will conduct regular internal assessment of their subjects and will maintain a record of internal assessment and attendance. This record of assessment and attendance should be submitted to the Dean Academics on the regular basis.

*[Handwritten signatures and initials at the bottom of the page]*



### 10.6.3 Second & Third year of BSc courses

- Individual course running department will have its own curriculum (training program) for second and third years. Record of 'attendance and regular internal assessment' should be maintained
- Students of various BSc courses will attend mandatorily common classes of Para clinical subjects (Pathology, Microbiology, Pharmacology) as per the course curriculum guidelines. These departments will conduct regular internal assessment of their subjects and will maintain a record of internal assessment and attendance. This record of assessment and attendance should be submitted to the Dean Academics on the regular basis.

### 10.6.4 Fourth Year – Internship

- BSc course will include one-year internship to get excellence in practical aspect of the course subject.
- Interns are allowed a total of 15 days leave during one year of internship. They can, however, be granted an additional four days leave by the Dean Academics in exceptional cases e.g. medical grounds.
- Further, a special sickness leave period of 15 days in a year may be allowed in such cases where an intern has been hospitalized for an ailment. He/She needs to send a leave application along with the medical certificate to Dean Academics through the Head of course running department.

## 10.7 Examination of AHS courses:

### 10.7.1 Attendance

- A student must obtain **75% attendance** (combined in theory and practical) in each of the subjects before they are permitted to appear in exit/ final examination to be held at the end of the year.

### 10.7.2 Formative Assessment:

- Regular assessments including 'Six Monthly End Term' of students to be carried out in all courses.
- The dates for 'Six Monthly End Term' will be notified by Dean, Examination.
- For computing 'internal assessment', scores of regular internal assessment will contribute 50% and 'Six Monthly End Term' examination will contribute remaining 50%.

### 10.7.3 Exit/Final (Summative Assessment):

- Exit/Final examination (yearly) will be conducted by Dean, Examination.
- The eligibility criteria for appearing in third year final exam will include to have passed all previous years' examination.
- Student must attain at least **50%** marks in theory and practical separately to be declared pass for each individual subject/paper in each examination.

### 10.7.4 Examiners:



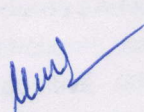
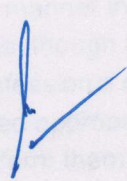
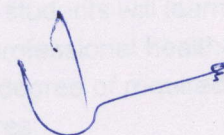
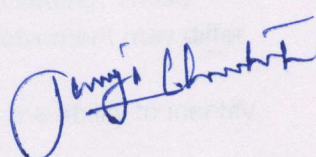
- There will be two examiners for each year final/exit exam.
- There will be two (both) internal examiners for first year and second year final/exit examination
- There will be one internal and one external examiners for the third year final/exit examination. External examiner for third year examination must be at least 'Assistant Professor' from any govt institute.
- Other rules & regulations will be applicable as per existing common policies for all exams by 'Exam Cell'.

Handwritten signatures and initials are present at the bottom of the page, including a large signature on the left, several smaller signatures in the center, and a signature on the right.



### 10.7.5 Assessment Methods

- The evaluation of the students is based on the performance of the skills as per 'competency-based training'. Hence, all the three attributes i.e. 'knowledge, skills, and attitudes' are to be assessed as required for the particular competency.
- For theory examination; pattern for all BSc courses is SAQ based objective assessment. Clinical vignette based MCQs wherever feasible can be administered. Smaller subjects/modules can be assessed in a combined theory paper, with predetermined weightage for each in terms of number of SAQs.
- Practical skills assessment should include OSPE/OSCE based practical examination for assessing soft skills like communication, ethics, professionalism and empathy. Other assessment methods and tools like Mini Case Evaluation Exercise (CEX), Case-based Discussion (CBD), Direct Observation of Procedures (DOPs), Patient satisfaction questionnaire etc also need to be incorporated in assessment.

SM