

PROGRAMME-SPECIFIC LEARNING OUTCOMES

IAM is the only institute in Asia to offer Post Graduate Training in Aerospace Medicine to medical graduates. This 03 yrs MD course is recognized by NMC as a PG Medical Degree. The students in this course are assessed through Formative assessment examinations, Quarterly examinations and Final examination conducted by RGUHS.

As the subject of Aerospace Medicine does not form a part of undergraduate medical curriculum, the institute conducts a number of specialized short term courses like Primary Aerospace Medicine Course (08 weeks), Aviation Dentistry Course (02 weeks), Aviation Accident Pathology Course (08 weeks), Aviation Psychiatry Course (04 weeks) and Indoctrination Course for Medical Assistants in Aviation Medicine (02 weeks). These courses are conducted for Medical Officers from tri-services as well as from Friendly Foreign countries to introduce them to this novel topic. Students in the short courses are assessed through Take-off test, Mid-course examination and Final examination (Theory & Viva).

Outcome of individual courses are assessed with respect to the attainment level. The attainment level is judged based on the performance of students in the internal/ mid course assessments and final examination. In addition, the PG residents are also assessed on their ability to conduct research through Dissertations, presentation of articles during weekly Journal clubs, execution of short projects, field projects and presentation of case reports/ papers/ posters during conferences. Furthermore, assessments of their ability to manage clinical cases, topic wise test/ assignments/ presentations are conducted by faculty members during departmental attachment of the PG resident. The students of the short courses are also evaluated on their ability to conduct lectures on a given Aeromedical topic.

All students on completion of the respective course are posted to flying stations and training Institutes such as 1 AMTC, 2 AMTC & IAM. Knowledge gained during the course is imperative for the students to understand the Aeromedical stressors and take necessary steps to mitigate them. Critical analysis while Aeromedical disposal of a case in field is of prime importance. They also acquire the ability to engage in research activities in field to ensure flight safety. In a broader perspective, it helps them to know or understand their psyche and personality up close and personal.

The Institute measures the attainment of outcomes through feedback from students with regard to the program/course. Anonymous feedbacks from various courses are a vital tool for assessment of academic success of a course/ programme and make necessary course correction towards attainment of desired aims and objectives. The considerable number of research projects undertaken in field, presentation of research articles in various National & International Conferences and publications in peer reviewed journals by the students of this Institute, the results of which have been instrumental in formulation of policies & guidelines in Civil & Military aviation, is an indication of mission attainment of the Institute. Academic excellence in the form of high pass percentage of students in various courses held at IAM is another indication of the success of learning process in the course outcome.