

Module 1

- Good communication skills and latest techniques in teaching, Paper setting and conduct of exams
- Classical literature in Ilmul Advia.
- Scientific correlation of Istalahat used in Ilmul Advia
- Concept of Musleh, Muzir and Abdale Advia
- Concept of Mizaje Advia and its application.
- Scientific interpretation of Taseerate Advia
- Critical assessment of various Qarabadeen (Pharmacopoeas).
- Ashkale Advia (Dosage Forms) in Unani System of medicine
- Innovation and Improvement.

Module II

- Drug adulteration in Unani Medicine.
- Contamination of Unani drugs by microbes/pesticides etc
- Development of Techniques for Collection, Preservation and Storage of medicinal plants/ drugs
- Preparation of herbarium and museum specimen
- Horticultural practices in cultivation of medicinal plants, potting, grafting, layering, seed sowing etc.
- Field visit to local herbal/botanical gardens for identification of Medicinal plants under supervision of a taxonomist.

Module III

- Application of principles of General Pharmacology in Ilmul Advia
- Pharmacokinetics and Unani drugs
- Scientific exploration of mechanism of action of Unani drugs.
- Drug interactions in Unani and common conventional drugs
- Adverse drug effects
- Importance of pharmacovigilance of Unani drugs

Module IV

- Application of Pharmacognostical methods for identification of Unani drugs.
- Phytochemical methods of analysis in Unani drugs
- Instruments used in quality control of Unani drugs.
- Conventional and modern methods of extraction of drug
- SOPs of Unani drugs
- Shelf life of Unani drugs -Unani concept and scientific approach
- Standardization techniques of crude drugs and drug formulations

Module V

- Inter disciplinary approach for Research in Ilmul Advia
- Protocol Designing and Research report Writing
- How to write a research paper on International standard/ Impact Factor / Important Websites.
- WHO and ICMR Guidelines for research in Unani Medicine.
- Preparation of Monograph, Unani pharmacopoeia/Unani Formularies.
- Patent and proprietary act and patent procedures.
- Current Research Trends in Ilmul Advia
- Pre-clinical Toxicity Evaluation of Unani Drugs