HPLC Method Development- 1 day

0900-1100

Requirements of an HPLC method
Method Development – Initial Assessment
Establishing a starting point for method development
Choice of Column- packing material and size, optimisation of throughput and selectivity

1115-1300

Running an initial gradient - What can be learned from the result
Isocratic or gradient method?
Effect of changing gradient profile and run time
%B Optimisation
Temperature Optimisation
pH Optimisation
Optimising buffer concentration
Redeveloping a method

1400-1700

Setting up integration conditions
Peak Identification
Setting up an appropriate calibration
Limit of Detection (LOD)
Limit of Quantitation (LOQ)
Calibration Range
Analysis of Errors
Writing an SOP