

Preformulation Studies: Biopharmaceutical aspects of dosage form

University of Manchester,
Pharmaceutical Industrial Advanced Training Centre (PIAT)
From 1st April 2015
15 credits

Physicochemical aspects of drug substances and excipients will be the focus of this module. It explains the need for preformulation and a number of solubility parameters will be discussed including intrinsic solubility, dissolution rate, pKa and salts, solvents and partition coefficients. The thermal properties of drug candidates as well as the concept of stability will be explained, including degradation mechanisms, stability assessment and inhibition. Assay development to establish levels of actives will be described. In addition, particle properties and powder flow and compression properties will be explained.

Delivery Method

Distance learning course typically lasting up to 9 months with tutor support.

Assessment

Assessment submission date for an April 2015 start will be 31st January 2016 and students can submit for a September or March exam (70 %) and submit written assessment in June (30 %).

Further Information

Distance learning course typically lasting up to 9 months with tutor support. There is an additional 3 day summer school from 4-6th June free of charge. This summer school is non-mandatory but fits well with written assessment deadline.

Eligibility

Qualifications

2.1 degree & A level maths.

There are no special entry requirements if you want to study individual modules as part of your personal development programme (CPD).

Alternative acceptable experience

Those without the formal requirements above may provide records of appropriate industrial experience as an alternative.

Registration

Registration for this module is up until 6th March 2015.

The module begins 1st April 2015.

Costs

The cost of this module will be £1,700 per person

Contact

To register please contact Helen Murray, HE Project Development Manager
helen.murray@coagent-ssc.com , 01925 515231