Gamlen Tableting Ltd.

PharmaTraining

Gamlen Tableting Ltd and PharmaCourses Ltd present

Hands-on Tablet Development, including the principles of pre-formulation, formulation and process development

10, 11 & 12 April 2019
26, 27 & 28 June 2019
4, 5 & 6 December 2019
Croydon, Greater London UK

Course overview

This unique 3 day course is designed to integrate the key elements of tablet development with hands-on, practical experience in a small scale, lab scale test facility. The course is made up of 1.5 days of theory with lectures on aspects of tablet development, followed by 1.5 days of sessions in which participants take part in experimental work directly linked to the theory content.

The course enables attendees to apply the theory learnt in the taught sessions, and also to directly observe the effect of formulation on product properties, and relate the theory to the practice of Quality by Design (QbD). The course includes practical sessions using the Gamlen Instruments range with the Gamlen Dashboard 1062 – which is the only laboratory instrument able to measure material compaction properties as per the recently published USP<1062> monograph "Table Compression Characterization".

Who Should Attend?

- Newcomers to tablet formulation development and manufacturing
- Production operators who need a better understanding of their products and how they have been developed
- Analytical and QC staff who would benefit from understanding the tablet development and production process
- Experienced personnel in one area of product development who need a broader overview
- Project team members needing a broader insight into formulation development including preclinical, clinical, and project management representatives
- Regulatory staff who would benefit from brief practical experience of the processes for which they are compiling dossiers. Regulatory agency staff requiring practical experience

Numbers are restricted to 10 participants for maximum benefit

Learning outcomes

- Understanding of the relationship between Quality by Design, drug substance properties, formulation and process development
- Practical experience of small scale tablet manufacture with direct knowledge of the relationship between formulation properties and tablet compressibility
- Understanding of the roles of critical quality attributes, critical process parameters, and product control strategy in the application of the principles of QbD to formulation development

PharmaCourses Ltd
Suite 1327 Kemp House
152 City Road
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info@pharma-training-courses.com

Course Programme

Croydon Park Hotel, Croydon Greater London

Day 1 Theme - Material properties and their impact on processing.
- The role of excipients

8.30 Registration and coffee/tea
9.00 Welcome. Introductions. Plan for the day. Learning objectives for course
9.15 How are tablets made? What happens during tablet compaction.
Principles of formulation development

10.45 Coffee break
11.00 Tablet components and their purpose
12.00 Critical Quality Attributes of powders

12.45 Lunch

13.45 Critical Quality Attributes of tablets

14.30 Tablet manufacturing process selection
- Blending
- Blend quality assessement
- Direct compression

15.30 Granulation
- Dry
- Wet
- Fluid bed

16.30 Milling, drying and compression
- Small Scale processing
- Wrap up

5.00 Close

Practical sessions at Yeoman House, London SE20 7TS.

Day 2 Theme - Putting the theory into practice

9.00am Review of Day 1 learning points

Impact of material properties on bulk powder behaviour
- Flow
- Bulk density
- Compressibility
- Particle size and shape

Wet Granulation and drying practical
Dry Granulation practical
Lubrication and compression practical
Practical - Direct compression products
Impact of excipient selection, grades, and processing on critical tablet quality attributes—
- Compressibility
- Friability
- Disintegration

Direct compression practical
Impact of excipient selection, grades, and processing on critical tablet quality attributes—
- Compressibility
- Friability
- Disintegration
- Lubrication

5.00pm Close

Croydon Park Hotel, Croydon Greater London

Day 3— What did observe? The impact of drug substance properties on drug product quality

9.00am	Review of Day 2 results. How can we make better tablets?
11.00am	Impact of drug substance properties on tablet properties. Preformulation studies Solubility Salts and Polymorphs Drug permeability
12.45pm	Lunch
1.45 pm	Particle size and why it matters Excipient compatibility testing Process compatibility
3.30	Regulatory aspects of tablet development. Applying the principles of Quality by Design. EUFEPS Case study— putting QbD into practice
4.30pm	Closing session
5.00pm	Depart

Course Speaker:

Dr Michael Gamlen, Pharmaceutical Development Services
Michael is Managing Director of Pharmaceutical Development Services Ltd, a Guildford (UK) -based technical consultancy. Dr Michael Gamlen has over 30 years experience of tablet development. Awarded a First Class Honours degree in Pharmacy, specialising in Pharmaceutical Engineering, he studied for a PhD at Nottingham University. He was Head of Tablet Development at the The Wellcome Foundation for 15 years, and has since worked for Vanguard Medica Ltd and as a consultant. He specialises in managing product development, formulation, tablet and process development studies.

Michael has been teaching professional tabletting courses for many years and his courses are highly rated, exceeding the expectation of the participants in many cases

Venue:

Days 1 & 3
Croydon Park Hotel, 7 Altyre Road Croydon Greater London CR9 5AA

Days 2
In the lab at—Yeoman House 61-63 Croydon Road, Penge SE20 7TS

Accommodation:
Croydon Park Hotel, 7 Altyre Road Croydon Greater London CR9 5AA
Website: http://www.croydonparkhotel.com/

Alternatively if you wish to stay in Central London the venues are easily accessible by train from London Victoria or London Bridge

Accommodation is not included in the fees, please make your own arrangements, if you have any questions please email: info@pharma-training-courses.com

REGISTRATION DETAILS:
Hands-on Tablet Development including principles of pre-formulation, formulation and process development: ***Remember to book early—numbers are limited***

10, 11 & 12 April 2019 — Croydon, Greater London
Early-bird fee: 3 day course £1593.00 (+ VAT £318.60 if applicable, see notes on VAT)
if booked and paid by 15 February 2019
Full Fee: 3 day course £1770.00 (+ VAT £354.00 if applicable, see notes on VAT)

10, 11 & 12 April 2019 — Croydon, Greater London
Early-bird fee: 3 day course £1593.00 (+ VAT £318.60 if applicable, see notes on VAT)
if booked and paid by 26 April 2019
Full Fee: 3 day course £1770.00 (+ VAT £354.00 if applicable, see notes on VAT)

4, 5 & 6 December 2019 — Croydon, Greater London
Early-bird fee: 3 day course £1593.00 (+ VAT £318.60 if applicable, see notes on VAT)
if booked and paid by 11 October 2019
Full Fee: 3 day course £1770.00 (+ VAT £354.00 if applicable, see notes on VAT)

VAT NOTES:

UK: Under UK law all UK-based applications are subject to VAT at the prevailing rate however most UK VAT registered companies/organisations can reclaim this tax.

EU: With effect from 1 January 2011 applications from delegates whose companies are based in EU countries will not be subject to VAT **PROVIDED THAT** valid VAT ID details are provided at the time of booking, otherwise VAT will be charged.

OTHER: With effect from 1 January 2011 applications from delegates whose companies are based outside of the UK/EU will be outside the scope of VAT, ie no VAT is charged or payable.

Reduced fees available for multiple bookings:

Contact Judy Callanan to discuss a bulk booking
Phone: ++44 20 71937703 Email: info@pharma-training-courses.com

Methods of Payment available:

☐ Cheque (**Please make payable to "PharmaCourses Ltd")**

☐ Bank transfer ☐ Credit/Debit Card

Please register online at:
www.pharma-training-courses.com

Course fee includes all course material, refreshments and lunch, accommodation is not included, details of nearby hotels are available on our website.

Terms and Conditions are available on our website:

Data Protection

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Terms and Conditions: Liability - PharmaCourses Ltd reserves the right to change the programme, speakers, date or venue without notice or cancel the event. If cancellation occurs delegates will be notified as soon as possible and will receive full refund of fees paid. PharmaCourses will not be responsible for any airfare, accommodation or other travel costs incurred.**Delegate fees -** Fees for this programme are shown overleaf. Delegate fees are inclusive of course documentation, refreshments and lunch the registration fee must be paid within 14 days of commencement of the co receipt of payment, a proof of payment will be sent to you. **Cancellation Po** less a handling fee of £100 will be made for cancellations received in writing the commencement of the course. Refunds of 50% will be made for cancellat writing between 28 and 7 days prior to the commencement of the course. Regrettably no refunds will be made after 7 days prior to commencement of the course. Substitutions can be made at any time.

PharmaCourses Ltd is registered in England and Wales No. 08509096

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Upcoming Courses

Hands-on Tablet Development including the principles of pre-formulation, formulation and process development
10, 11 & 12 April, 26, 27 & 28 June 2019
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Pharmaceutical Dissolution Testing – a Hands-on Course
21, 22, 23 & 24 May 2019 London

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Pharmaceutical Packaging—an introductory course
17 & 18 June, 2 & 3 December 2019 London

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Stability Testing in Pharmaceutical Development and Manufacture
6 & 7 June 2019 London

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Introduction to the Formulation and Stabilisation of Protein and Peptide Drugs
16 & 17 September 2019, London

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Latest Advances in the Stabilisation and Formulation of Protein and Peptide Drugs
18 & 19 September 2019, London

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Powder Technology for Pharmaceutical Development and Manufacturing
25, 26 & 27 September 2019 London

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Pharmaceutical Dissolution Testing – a Hands-on Course
8, 9, 10 & 11 October 2019 London

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Parenteral Products
21, 23 & 23 October 2019 London

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Pharmaceutical Granulation and Compression
4, 5 & 6 November 2019 London

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Pharmaceutical Aerosols, Dry Powder Inhalation Systems and Nasal Delivery Devices
25, 26 & 27 November 2019 London

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Development of Stability-Indicating HPLC Methods
20 November 2019 London

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HPLC Analytical Method Development and Validation
21 & 22 November 2019 London

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