Product Knowledge Workshops in Textiles

Short Courses

19–23 November 2018, Melbourne

- Day 1: Textile Fibres and Yarn Technology
- Day 2: Knitted and Woven Fabrics
- Day 3: Garment Technology
- Day 4: Colour Science, Dyeing, Printing and Fabric Finishing
- Day 5: Care Labelling, Testing/Fastness and Specifications
RMIT University’s School of Fashion and Textiles is a leading provider of education and training for the Textiles, Clothing and Fashion (TCF) industry, both in Australia and internationally.

The Product Knowledge Workshops have been specifically designed for current and newly appointed Textile, Clothing and Fashion industry personnel wishing to improve and update their technical knowledge. Workshop participants will gain a greater understanding and appreciation of the many facets of the total “textile pipeline” from fibres to fashion.

You may register for any one day, the whole week or any combination of days.

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**Day 1: Textile Fibres and Yarn Technology**

- Fundamental classification by origin: animal, mineral, vegetable, man-made, synthetic or regenerated fibre.
- Physical and chemical properties that influence processing methods, specific clothing properties, relative costs and appropriate end uses.
- Simple but effective methods for identifying fibres in pure and blended form.
- Demystification of synthetic fibres in terms of their chemical, generic and trade brand names.
- Spinning methods including advantages and disadvantages.
- The influence of yarn structure, parameters and properties on the fabric characteristics such as weight, drape, cost and surface appearance.
- The influence of yarn twist and yarn ply on fabric properties such as pilling, handle, spirality, stability and cost.
- Participants are invited to bring current examples where the yarn is of specific interest.

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**Day 2: Knitted and Woven Fabrics**

*In order to participate in Day 2 students must have already completed Day 1.*

- Practical understanding of knitted and woven fabrics including terminology, measurements and assessment methods.
- Basic knitting and weaving processes, including dobby and jacquard, will be demonstrated.
- Properties and qualities of various knit structures and weaves will be explained in relation to expected wear performance, typical end use and cost.
- Participants are encouraged to bring current samples for comment or analysis.

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**Day 3: Garment Technology**

- Interpret the requirements of designers and buyers.
- Communicate with suppliers and describe various garment construction processes using correct terminology.
- Understand relationship of selection of correct fabric for product.
- Analyse and select appropriate stitch and seam types and relate these to production costs.
- Understand principles of garment fit and pattern alteration.
- Evaluate criteria that determine a products “fit for purpose”.
- Evaluate the performance properties and suitability of components, trims and interlinings.
- Understand how traditional and contemporary workflow systems affect price and quality.
- Understand how to build quality into products at development stage.
- Develop effective problem solving skills during late stage product development.
Day 4: Colour Science, Dyeing, Printing and Fabric Finishing

- Basic principles of colouration of textile materials either by dyeing or printing including heat transfer and digital printing.
- Environmental aspects of textile colouration particularly in relation to toxic/hazardous products that may be harmful e.g. azo dyes.
- Difficulties of colour consistency and how batch-to-batch variations can be overcome.
- Evaluation of coloured textiles in terms of performance and cost.
- Finishes that effect garment performance particularly texture, handle and shrinkage.
- Special effect finishes such as those used in furnishing fabrics and curtains.
- Evaluation of finish performance.

Day 5: Care Labelling, Testing/Fastness and Specifications

Follow on from Day 4 with practical application of theory.

- Care labelling – who is responsible? Permanent and non-permanent labels, exemptions, fibre content, fire hazard (including NZ regulations), country of origin.
- Textile specifications.
- Appreciation of the different quality requirements for various textile end uses.
- Tour of Textile Laboratory.

I thoroughly enjoyed the Product Knowledge Workshop in Textiles. The lecturers presented the information with such passion and enthusiasm that I walked away with a new-found love for textiles. All five courses have equipped me with technical knowledge that enables me to work better with my staff and factories.

Ilyia Davis
Product Knowledge Workshops in Textiles participant

Who should attend

- TCF industry employees with merchandising, colour, fashion and design skills requiring a technical understanding and technical communication skills to source a specific style, quality or production technique in a proposed garment range.
- Employees wishing to broaden their knowledge and understanding of the many facets of the total textile pipeline.
- Professional scientists, economists, HRM personnel etc. newly appointed to the industry requiring a quick overview in chosen industry sectors.

Cost

You may register for any one day or any combination of days. Cost also covers printed notes, buffet lunch and tea/coffee.

- 1 day: $370
- 2 days: $700
- 3 days: $1,020
- 4 days: $1,320
- 5 days: $1,600

shortcourses.rmit.edu.au/page/pkw

There is a 10% discount for prepaid bookings when booking 10 or more days in a single transaction.

Class sizes are limited. Book early to avoid disappointment. Enrolments will be prioritised according to date of application.

RMIT short course terms and conditions are available at shortcourses.rmit.edu.au.
Customised training

At RMIT you’ll study in state-of-the-art facilities. Our tutors have strong industry experience, a passion for excellence and innovation as well as connections with the local and international fashion and textiles industry.

Industry, enterprise and tailor-made training

As well as our suite of short courses, RMIT can deliver customised and tailor-made programs for textile, clothing and fashion (TCF) industry personnel. We work with you to create the best courses with the best tutors for your individual needs, whether it be for experienced or newly appointed staff. Content, costs and delivery dates/times are negotiable and training can be conducted at RMIT or onsite at your premises.

Previous short course delivery and tailor-made training has included:
- Fibres and Yarns, Knitted and Woven Fabrics
- Colour Science, Dyeing, Finishing and Printing
- Garment Technology
- Textile Testing and Garment Labelling
- Merchandising, Marketing and Retail
- Gerber, Lectra, Adobe Illustrator/Photoshop/InDesign
- Hazardous Chemicals in Textiles.

For customised training course enquiries please contact us at:
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