

# Product Knowledge Workshops in Textiles

Course Code: S350224

The Program		Melbourne (May)	Sydney (August)	Melbourne (September)
Day 1 – Monday 9.00am to 5.00pm	Textile Fibres Yarn Technology	4th May, 2009	3rd August, 2009	28th September, 2009
Day 2 – Tuesday 9.00am to 5.00pm	Knitted Fabrics Woven Fabrics	5th May, 2009	4th August, 2009	29th September, 2009
Day 3 – Wednesday 9.00am to 5.00pm	Garment Technology	6th May, 2009	5th August, 2009	30th September, 2009
Day 4 – Thursday 9.00am to 5.00pm	Textile Colouration (Dyeing and Printing) Fabric Finishing	7th May, 2009	6th August, 2009	1st October, 2009
Day 5 – Friday 9.00am to 5.00pm	Textile and Garment Labelling Textile Testing and Specifications	8th May, 2009	7th August, 2009	2nd October, 2009

RMIT's School of Fashion and Textiles (specialists in the delivery of education and training to the TCF industries) is again presenting its highly acclaimed Workshops in Textile Product Knowledge.

The workshops have been specifically designed for current and newly appointed TCF staff wishing to improve their technical knowledge and gain a wider appreciation of the many facets of the total 'textile pipeline' from fibres to fashion.

## The Location

'RMIT – Brunswick Campus', Melbourne, Victoria  
OR: 'Holiday Inn – Potts Point', Sydney, NSW

## What it costs

You may register for any one day or any combination of days.

### MELBOURNE

**1 day - \$315**  
**2 days - \$590**  
**3 days - \$855**  
**4 days - \$1,100**  
**5 days - \$1,325**

### SYDNEY

**1 day - \$415**  
**2 days - \$790**  
**3 days - \$1,155**  
**4 days - \$1,500**  
**5 days - \$1,825**

## HOW TO BOOK

10% company discount for prepaid bookings of 10 or more total day enrolments.

Class sizes are limited. Acceptance will be decided on a first pay / first acceptance basis. For bookings and enquiries contact our Short Course Coordinator, Nick Maggio:  
Phone: (03) 9925 9161 Fax: (03) 9925 9162  
Email: [nicholas.maggio@rmit.edu.au](mailto:nicholas.maggio@rmit.edu.au)

## How to pay

Complete attached enrolment form and return with your payment (or attach a Purchase Order if you wish to be Invoiced) to:  
RMIT - Short Course and Enterprise Training  
Attention: Nick Maggio  
25 Dawson Street  
Brunswick Vic 3056

Your investment also covers printed notes, buffet lunch and tea/coffee.

## WHO SHOULD ATTEND?

These workshops have been prepared with the following groups of Textile, Clothing and Fashion personnel in mind:

- Current 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.
- Current 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.

## PROGRAM AND SUBJECT DESCRIPTIONS

### Day 1

#### TEXTILE FIBRES

Fibre study commences with fundamental classification by origin, animal, mineral, vegetable, man made, synthetic or regenerated fibre. Fibre origins impart the physical and chemical properties, which influence processing methods, specific clothing properties, relative costs and appropriate end uses. Simple but effective methods for identifying fibres in pure and blended form will be taught, together with a demystification of synthetic fibres in terms of their chemical, generic, and trade brand names.

#### YARN TECHNOLOGY

Yarns are the components or materials that are used in the production of fabrics. Main spinning methods, their advantages and disadvantages will be examined in this workshop. The influence of yarn structure, parameters and properties on the fabric characteristics such as weight, drape, cost and surface appearance will be given for woven and knitted fabrics. The influence of yarn twist and yarn ply on fabric properties such as pilling, handle, spirality, stability and cost will be studied with respect to woven and knitted fabrics. Participants are invited to bring current examples where the yarn is of specific interest.

### Day 2

#### KNITTED FABRICS

This workshop is designed to give participants a practical understanding of knitted fabrics. Participants will be introduced to knitted fabrics terminology, measurements and assessment methods. Basic knitting processes will be demonstrated. The properties and qualities of various knit structures 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.

#### WOVEN FABRICS

This workshop commences with the fundamental principles of weaving. This workshop is also designed to give participants a practical understanding of woven fabrics. Participants will be introduced to woven fabrics terminology, measurements and assessment methods. Basic weaving processes including dobby and jacquard will be demonstrated. The properties and qualities of various 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.

### Day 3

#### GARMENT TECHNOLOGY

This workshop covers the following: Develop skills and knowledge to communicate effectively with suppliers across the design/technology divide; Resolve common inconsistencies and discrepancies in trade terminology to describe various garment construction processes; Clarify universal terms used in the apparel trade to identify items, processes and equipment; Understand the relationship between correct fabric selection and achieving the desired result in a finished product; Analyse and select appropriate stitch and seam types and relate these to production costs; Evaluate the criteria that determines a product's functionality and '*fitness for purpose*'; Understand how traditional and contemporary work flow systems affect price and quality; Understand the principles of garment fit and pattern alteration; Contribute to commercial and practical inputs into the product development process; Understand how to build quality into products at the development stage; Interpret the requirements of designers and buyers; Evaluate the performance properties and suitability of components, trims and interlinings; and Develop effective problem solving skills during late stage product development.

### Day 4

#### TEXTILE COLOURATION (DYEING AND PRINTING)

This workshop explains the diversity of the dyeing and printing industry, relating fibre and fabric classifications to the appropriate dyeing section, and explains customer expectations in terms of cost, delivery times, and min/max production runs. Processes for textile dyeing, including heat transfer and digital printing are covered. The colourfastness properties of dyed and printed textile materials will be studied with emphasis on fastness to daylight exposure, domestic laundering, perspiration and rubbing. The acceptance criteria to these test results will be discussed with respect to price and consumer satisfaction. The RMIT Textiles dye laboratory has the latest colour measurement / computerised dye formulae prediction equipment. Workshop content will also cover quality assurance and routine testing procedures. This equipment and its use in the dyehouse and as a tool for monitoring colour predictability will be explained. Problems associated with colour matching will also be discussed.

## FABRIC FINISHING

This workshop is designed to develop an understanding of the structure of the finishing industry and its close relationship with the dyeing industry. The many processes which are collectively referred to as FINISHING, will be grouped according to their function then discussed in a range of sequences, referred to as "finishing routines". The machinery used, cycle times, minimum production runs and costs will be discussed together with the quality control procedures necessary to retain consistency of finish.

### Day 5

## TEXTILE AND GARMENT LABELLING

This workshop is designed for garment manufacturers, wholesalers, retailers and other professionals who require a thorough understanding of the Australian Standards on Labelling and their responsibilities under legislation. Participants will develop a sound understanding of the inter-relationship between product classification, expected performance and appropriate labelling. Textile care and drycleaning will be discussed with respect to clarification of the A, P, F and X symbols and application of the Mandatory Standard on Care Labelling.

## TEXTILE TESTING AND SPECIFICATIONS

This workshop will introduce participants to quality concepts, testing requirements and application of textile specifications. No matter what field of textiles participants are from, this workshop will help participants appreciate how specifications are applied in the textile industry.

**For further information, or for  
any other requirements, please contact:**

Nick Maggio  
Short Course Coordinator  
Short Course and Enterprise Training  
RMIT University  
Email: [nicholas.maggio@rmit.edu.au](mailto:nicholas.maggio@rmit.edu.au)  
Tel: (03) 9925 9161 Fax: (03) 9925 9162

## "TAILOR MADE" WORKSHOPS

Tailor Made Workshops can be arranged where the subject matter is selected according to customers' individual training requirements. Delivery at the RMIT campus is preferred, delivery 'at the work place' is also negotiable on request. All subject matter remains confidential to the client.

## COURSE PRESENTERS

**Dr Olga Troynikov** has worked in the textile industry for over 15 years in technical, design and development fields. Olga has wide technical knowledge of apparel fabrics, garment componentry, related processes, fabric/garment quality and performance criteria. Olga has gained Australian and International apparel market knowledge through managing conceptualisation of trends, development of fabrics and commercialisation of new product ranges. Olga has a Masters and PhD Degree in Textile Technology.

**Ms Julie Wright (M.Ed)** has over 27 years experience in the apparel industry and has a particular interest in garment engineering. After 12 years as a training and development manager in a busy vertical manufacturing facility, she commenced her own small clothing business and continued to design and deliver CAE short courses. Since joining RMIT, Julie's extensive knowledge of the technical aspects of garment construction, offshore specification requirements, and a thorough understanding of the clothing supply chain has secured her reputation as a highly effective trainer. Julie's workshops include information about garment production techniques, stitching technology and cost effective solutions. Julie keeps abreast of current issues and trends in the apparel industry through her work as a consultant to major commercial and government enterprises.

**Mr Mac Fergusson** has worked in textile dyeing and finishing for over 40 years, including 4.5 years in Indonesia. He is well acquainted with production plants in Thailand, Indonesia and Malaysia, and travels regularly to these countries. Mac is both a Chartered Textile Technologist and a Chartered Colourist, as well as being a past President of the Society of Dyers and Colourists of Australia and New Zealand.

**Ms Trudie Orchard** has worked in textile testing laboratories for over 25 years. Trudie's knowledge incorporates testing requirements for a diverse range of textile products. She is a nominated member of Standards Australia's Care Labelling, Textiles and Flammability committees and is a committee member of the world recognised professional body – The Textile Institute (South Australian section Inc.). Trudie is Manager of Textile Testing Services of RMIT School of Fashion and Textiles.

**WORKSHOP APPLICATION / ENROLMENT FORM**

## Product Knowledge Workshops in Textiles

**Course Code: S350224**

**Please complete and return with your payment:**

RMIT - Short Course and Enterprise Training  
Attention: Nick Maggio  
25 Dawson Street  
Brunswick Vic 3056

\* Please photocopy this form for multiple enrolments

Days	Description	Please tick	Date of attendance
Day 1	Textile Fibres and Yarn Technology		
Day 2	Knitted and Woven Fabrics		
Day 3	Garment Technology		
Day 4	Textile Colouration and Fabric Finishing		
Day 5	Garment Labelling, Textile Testing and Specifications		

FAMILY NAME:  GIVEN NAME:

DATE OF BIRTH:    SEX:  MALE  FEMALE

**Company details**

COMPANY NAME:  POSITION:

PHONE:  MOBILE:

EMAIL:  FAX:

ADDRESS:

SUBURB:  STATE:  POSTCODE:

HR MANAGER OR COMPANY CONTACT: NAME:

PHONE:

AMOUNT: \$  Please invoice (Purchase Order attached):

(if paying by cheque, please make payable to 'RMIT Training')

Please charge:  Mastercard  Visa

No:

Expiry Date: \_\_\_\_ / \_\_\_\_ / \_\_\_\_ Cardholder name: \_\_\_\_\_

Signature: \_\_\_\_\_ Date: \_\_\_\_ / \_\_\_\_ / \_\_\_\_