Product Knowledge Workshops in Textiles

Course Code: S350224

<table>
<thead>
<tr>
<th>The Program</th>
<th>Melbourne (May)</th>
<th>Sydney (August)</th>
<th>Melbourne (September)</th>
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<tr>
<td>Day 1 – Monday</td>
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<tr>
<td>9.00am to 5.00pm</td>
<td>Textile Fibres</td>
<td>4th May, 2009</td>
<td>3rd August, 2009</td>
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<tr>
<td>Day 2 – Tuesday</td>
<td>Yarn Technology</td>
<td>5th May, 2009</td>
<td>4th August, 2009</td>
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<td>9.00am to 5.00pm</td>
<td></td>
<td>28th September, 2009</td>
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<tr>
<td>9.00am to 5.00pm</td>
<td>Woven Fabrics</td>
<td>29th September, 2009</td>
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<td>9.00am to 5.00pm</td>
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<td>1st October, 2009</td>
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<tr>
<td>Day 5 – Friday</td>
<td>Textile Colouration (Dyeing and Printing)</td>
<td>8th May, 2009</td>
<td>7th August, 2009</td>
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<tr>
<td>9.00am to 5.00pm</td>
<td>Fabric Finishing</td>
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<td>2nd October, 2009</td>
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<td>Day 6 – Saturday</td>
<td>Textile and Garment Labelling</td>
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<td>9.00am to 5.00pm</td>
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<td>Day 7 – Sunday</td>
<td>Textile Testing and Specifications</td>
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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.

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<thead>
<tr>
<th>MELBOURNE</th>
<th>SYDNEY</th>
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<tr>
<td>1 day</td>
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<td>$315</td>
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<td>5 days</td>
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<td>$1,325</td>
<td>$1,825</td>
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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

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
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 is a Senior Lecturer and Post Graduate Program Coordinator (Master of Fashion and Textiles) at the School of Fashion and Textiles, RMIT University. Olga’s academic and research expertise covers the areas of CAD/CAM for Fashion and Textiles, sport and protective apparel, textiles design and engineering, and comfort and performance of apparel and textiles for specialised functional applications. Olga is also a research supervisor for Masters and PhD students in the areas of Textile Technology and Product Engineering. Olga has been actively engaged in industry for more than 20 years with extensive experience in textile and apparel product design, and development and engineering, both for Australian and international markets.

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 is the Manager of Textile Testing Services, within RMIT’s School of Fashion and Textiles. Trudie has worked in textile testing laboratories for over 25 years. Her 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.).
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<thead>
<tr>
<th>Days</th>
<th>Description</th>
<th>Please tick</th>
<th>Date of attendance</th>
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<tbody>
<tr>
<td>Day 1</td>
<td>Textile Fibres and Yarn Technology</td>
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<td>Day 2</td>
<td>Knitted and Woven Fabrics</td>
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<td>Day 3</td>
<td>Garment Technology</td>
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<td>Day 4</td>
<td>Textile Colouration and Fabric Finishing</td>
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<td>Day 5</td>
<td>Garment Labelling, Textile Testing and Specifications</td>
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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 charge: ☐ Mastercard  ☐ Visa

No: __________________________

Expiry Date: _____ / _________  Cardholder name: __________________________
Signature: __________________________  Date: _____ / _____ / _________

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