

2018 Wool training workshops

A series of wool training workshops will be conducted at Deakin University in May 2018 on behalf of the Australian Wool Education Trust (AWET). The workshops will be delivered at the Institute for Frontier Materials (IFM) at the University's Geelong–Waurin Ponds Campus, with classes delivered by experts in the various fields. All teaching materials have been developed by Australian Wool Innovation.

The workshops are designed for people working in textile manufacturing to improve their theory skills in wool processing.

Each subject will be delivered in an intensive format of eight hours per day over either one or two days. A formal assessment will be carried out on completion of the workshop.

Workshop details

MAY 2018	01/05	02/05	03/05	04/05
	Wool fibre science Dr Chris Hurren	The scouring of raw wool Dr Jock Christoe		
07/05	08/05	09/05	10/05	11/05
	Worsted top-making Mr Gary Robinson		Worsted and woollen spinning Mr Gary Robinson	
14/05	15/05	16/05	17/05	18/05
	The dyeing of wool Dr Rex Brady		Wool fabric finishing Dr Rex Brady	

Enrolment:

Register at Eventbrite using the links below For questions relating to the workshop please email Chris Hurren (christopher.hurren@deakin.edu.au). The cost of the workshops is \$55/workshop. This includes the cost of a printed manual.

<https://www.eventbrite.com.au/e/wool-training-workshop-wool-fibre-science-tickets-45218304165>

<https://www.eventbrite.com.au/e/wool-training-workshop-the-scouring-of-raw-wool-tickets-45219355309>

<https://www.eventbrite.com.au/e/wool-training-workshop-worsted-top-making-tickets-45219661224>

<https://www.eventbrite.com.au/e/wool-training-workshop-worsted-and-woollen-spinning-tickets-45221149676>

<https://www.eventbrite.com.au/e/wool-training-workshop-the-dyeing-of-wool-tickets-45221531819>

<https://www.eventbrite.com.au/e/wool-training-workshop-wool-fabric-finishing-tickets-45221607044>



Subject descriptions

Wool fibre science

This six-hour unit gives a strong overview of the wool fibre. It concentrates on the structure, physics, chemistry, setting and felting of wool. It is a prerequisite for all of the other units offered in this training.

The scouring of raw wool

This two-day unit will cover the opening and scouring of wool fibre. Topics include the preparation of wool for scouring, scouring processes, carbonisation, grease recovery, testing procedures and effluent treatment.

Worsted top-making

This two-day unit looks at the preparation of wool fibres for both worsted and woollen spinning. Topics include fibre opening, blending, worsted carding, carding, drawing, combing and roving. The subject also covers quality assurance of top, TEAM equations and top treatments.

Worsted and woollen spinning

This one-day unit examines the spinning of wool on both the worsted and woollen spinning systems. The unit covers preparation of fibres for preparation of fibres for spinning, woollen carding, worsted spinning, woollen ring spinning, variations and alterations to ring spinning and post-spinning operations. It is recommended that the Worsted top making unit is taken in conjunction with this unit.

The dyeing of wool

This two-day unit covers the dyeing processes of wool. It looks at the way dye interacts with the wool fibre, preparation and dyeing methods for wool and wool blends, equipment used for dyeing, side effects, the dye house laboratory and environmental concerns.

Wool fabric finishing

This two-day unit covers the fabric finishing of wool fabrics. It discusses dry, wet and chemical finishing, typical finishing paths, analysis techniques, faults, performance standards and environmental concerns.