



society of dyers
and colourists



Training:

Learn from people who know

Taught by experts, driven by industry



A Chartered Society
since 1963

SDC Training brochure

Welcome to the Society of Dyers and Colourists (SDC) training brochure. We have reflected the latest thinking and best practice throughout this range of courses. Our courses are industry-proven, internationally recognised and taught by experts. They focus on topics of direct relevance to those working with colour. Each year we help thousands of people at every stage of learning and career development.

Ask about in-house training

All our courses can be delivered directly to your in-house team. This is one of our most popular methods of training delivery for organisations. Advantages include reduced training costs, no travelling for delegates and courses tailored to meet your specific needs.



We are here to help

If you would like help in planning your training, or if you want to discuss a co-ordinated approach to developing a team of people, please get in touch: email edu@sdc.org.uk or call: +44 (0)1274 761773.

About SDC

SDC is the world's leading independent, educational charity dedicated to advancing the science and technology of colour. Our mission is to communicate the science of colour in a changing world. We are a global organisation. With our Head Office and trading company based in Bradford, UK, we have an international network of regions and activities.

Who are our courses for?

Our courses are aimed at everyone who works with textiles and is involved, either directly or indirectly, with their coloration.

The benefits to you and your company

- maximising profit
- quality and consistency of colour
- protection of brand reputation
- minimising costs of re-work
- reduced impact on the environment.
- higher sales to the consumer

Why choose SDC?



- we have an international reputation for excellence
- all our courses offer access to best practice
- our course tutors are highly experienced accredited trainers
 - our courses are excellent value for money
 - they contribute to your continuing professional development (CPD)
- we offer objective, unbiased advice
- all our courses can be tailored to your organisation

Three levels of learning

It's important to choose the training that's right for you. That's why we have divided our courses into three levels that reflect the amount of experience and knowledge required.

Attendance courses

These provide a basic grounding for people who are new to the subject area, or who have limited knowledge of it. They are designed to build practical skills and confidence to enable you to work effectively in the area. A Certificate of Attendance is provided after completion of the course.

Appreciation courses

Are similar to the Attendance course but with the addition of a short written examination at the end of the course to quantify understanding of the course content. A Certificate of Appreciation is provided on successfully passing the written examination held at the end of the course.

Competency courses

These practical courses assume some knowledge of the subject. They are aimed at managers and professionals with operational experience who wish to deepen their knowledge and skills in a specific area. The candidate's competency will be tested. A Certificate of Competency is provided on successfully passing the written and practical examination held at the end of the course.

Training at a glance

- Colour Management
- ISO Colour Fastness
- Coloration

'Attending the course improved my skills and self confidence'
Panache Lingerie

'The course was well planned and offered a host of challenging insights'
Hilary Tuckwell, John Lewis plc

Colour Vision Assessment

SDC also offer colour vision assessment for candidates, using the Ishihara and Munsell 100 Hue Test. The assessment can usually be arranged on the same day as a training course and lasts 45 minutes. (Please note – there is an additional charge for the test).



Why is this important?

In the western world, 8% of all males tested are colour deficient. In India, from over 250 people tested, 24% were colour deficient. Although the reasons for this are not fully understood, it is clear that everyone needs to be tested if they are on the critical path of visual assessment of colour. It is recommended that the test is carried out annually as it is known that factors such as ill health and medication can cause differences.

It is recommended that all participants in our courses have had their colour vision tested before attending any course as the ability to see colour effectively is important.

Colour Management

Do you know the difference between metamerism and colour inconstancy?

Do you understand Dyers Terms, Depth, Brightness and Hue?

Effective and efficient colour communication is the key to success and efficiency in the textile industry to deliver the right colour, in the right place, at the right time. This course provides the basic knowledge to ensure that everyone in the supply chain knows how to best manage colour and talk the same language.

What you will learn

This course aims to give detailed practical best practice in the visual colour assessment of textiles. At the end of the course you will have practical experience of visual colour decision making and an appreciation of terminology. You will gain:

- An understanding of the equipment, best practice and maintenance.
- The importance of colour vision, and experience of verbal colour communication and terminology.
- Hands on experience of colour assessment and the correct use of dyers terms
- Practical colour exercises and demonstrations
- A written and practical assessment of understanding



Introduction to Colour Management - Certificate of Attendance

Who this course is for?

Anyone who ensures colour is consistent from design to final garment. This course will provide you with knowledge of the process of colour management in the supply chain to ensure customers achieve the 'right colour'.

Aims and objectives: this course aims to develop:

- An insight into how different professions in the retail and dyeing industries work together to achieve the final coloured product.
- An awareness of the cost benefits of good colour communication and the environmental impact of poor colour communication.
- An understanding of how colour palettes are created
- An appreciation of best practice in colour standard creation and approval through to bulk production.
- An understanding of the terminology used in industry internationally
- An understanding of colour perception: the eye and how we see colour.
- Give an introduction of colour communication: visual and instrumental.
- An appreciation of best practice.

Content:

- Starting with a colour idea, learn how to develop colour standards and a colour palette.
- An introduction to technical and commercial terminology used in communication between dyers/technologists and non-technical roles such as designers and buyers.
- Develop an appreciation of the financial and time implications of poor or late decision making
- An explanation of the eye and colour perception.

- Key principles of colour assessment.
- Basics of colour terminology and industry terms used to describe colour in communication between dyers and the technologist.
- An introduction to the concept of best international practice for colour communication.
- Includes practical colour exercises and demonstrations

“All the course was of great value. I enjoyed the fact that the readings on colour measurement are not as difficult as thought when explained properly”

Technician – Garment supplier.

Introduction to Colour Management – Certificate of Appreciation

The course content is similar to the attendance course with a written examination held at the end.

Certificate of Colour Management of Textiles (Competency Course)

What will you learn?

This training course consists of three modules, usually delivered over three days, all of which must be successfully completed:

Module 1: Principles of Colour Development, Assessment, Communication and Approval

Aims and objectives: this module aims to develop:

- An insight into how different professions in the retail and dyeing industries work together to achieve the final coloured product.
- An awareness of the cost benefits of good colour communication and the environmental impact of poor colour communication.
- An understanding of how colour palettes are created
- An appreciation of best practice in colour standard creation and approval through to bulk production.
- An understanding of the terminology used in industry internationally
- An understanding of colour perception: the eye and how we see colour.
- Give an introduction of colour communication: visual and instrumental.
- An appreciation of best practice.



Content:

- Starting with a colour idea, learn how to develop colour standards and a colour palette.
- An introduction to technical and commercial terminology used in communication between dyers/technologists and non-technical roles such as designers and buyers.
- Develop an appreciation of the financial and time implications of poor or late decision making
- An explanation of the eye and colour perception.
- Key principles of colour assessment.
- Basics of colour terminology and industry terms used to describe colour in communication between dyers and the technologist.
- An introduction to the concept of best international practice for colour communication.
- Includes practical colour exercises and demonstrations
- Includes a written assessment of understanding

Module 2 Practical visual colour assessment of textiles

Aims and objectives: this module aims to:

- Give detailed practical best practice in visual colour assessment of textiles.
- Give practical experience of visual colour decision making and an appreciation of terminology.

Content:

- An understanding of the equipment, best practice and maintenance.
- The importance of colour vision, and experience of verbal colour communication and terminology.
- This session involves you in hands on colour assessment and the correct use of dyers terms
- Includes practical colour exercises and demonstrations
- Includes a written and practical assessment of understanding



Module 3 Practical instrumental colour assessment of textiles

Aims and objectives: this module aims to:

- Give detailed practical best practice in instrumental colour assessment of textiles.
- Give practical experience of best practice for instrumental colour measurement of textiles.

Content:

- Understanding of the equipment and best operating practice.
- This session involves you in practical specimen preparation and presentation to the instrument.
- Understanding of pass/fail (colour difference) reports.
- Includes practical colour exercises and demonstrations
- Includes a written and practical assessment of understanding

ISO Colour Fastness

SDC – Setting the Standards

SDC developed the standard test methods that now make up the ISO 105 series of tests that are so important for assessing the quality of the product. We continue to be involved by providing a secretariat both for BSI TCI/81 Colour Fastness and Colour Measurement and ISO TC38 SC1 Colour Fastness and Colour Measurement. By working with retailers, brands and manufacturers around the world we ensure that the standard test methods are relevant for the world today.



Effective and efficient colour fastness testing is the key to success and efficiency in the textile industry to deliver the right colour, of the right quality, in the right place, at the right time.

To ensure that you obtain consistent results from your lab we recommend you purchase your consumables from our subsidiary SDCE (www.sdcenterprises.co.uk). We also recommend your laboratory is of a high standard and accredited either to a national standard or at least to a retailers standard.

But what about the people who carry out the tests and assess the samples? Have they been trained? We offer three courses on Colour Fastness to ISO stanard test methods in the ISO 105 series.

ISO Tests covered in the courses

These are the tests considered vital for any organisation producing coloured textiles. Other tests of a more specialist nature are available and the inclusion of these into the course can be discussed.

- Washing - ISO 105 C06 Series
- Dry cleaning - ISO 105 D01
- Water - ISO 105 E01
- Perspiration – ISO 105 E04
- Rubbing ISO 105 X12
- Light ISO 105 B02
- Chlorinated water ISO 105 E03
- Print durability of pigment or placement prints

What does that result mean and how do we get to it?
How does this affect your relationship with your customer?
How is the test carried out?
How do we assess the results in a consistent manner?

Introduction to ISO Colour Fastness – Certificate of Attendance

Overview

This course focuses on the test methods of direct concern when working with textiles and setting colour fastness specifications. It provides the basic knowledge to ensure that everyone in the supply chain knows how to best manage colour fastness and talk the same language.

Who this course is for?

Anyone who ensures colour fastness specification is consistent from design to final garment. This course will provide you with the knowledge of specifying, testing and assessing colour fastness to ensure customers achieve the 'right colour'.

What you will learn

- You will be able to give practical advice on colour fastness testing specification, testing and assessment of textiles. You will gain an understanding of:
- The equipment used
- The importance of specifying the right colour fastness tests
- The importance of specifying the correct colour fastness performance requirements in relation to the end use of the textile
- An overview of each test method
- The use of standardised consumables
- Assessment of the final results



"Great course for an overview which is great for my role/level"

Assistant Technologist babywear - Retailer

Colour Fastness Testing of Textiles – Certificate of Appreciation

Who this course is for

Designed for anyone who is indirectly involved in carrying out colour fastness tests and their assessment to meet client specifications or who sets specifications for their suppliers whether this is a retailer/brand, a specifier or a dyehouse. The course provides a visual of how the tests are carried out and assessed. You will develop a greater knowledge of the tests and the criteria for carrying them out and assessing.

What you will learn

- Practical knowledge of colour fastness techniques and assessment
- Practical knowledge of sample preparation and mounting
- An understanding of the process of writing a standard
- An appreciation of why standard test methods must be carried out as specified
- The ability to perform test methods accurately
- An introduction to ISO standards for colour fastness testing and fabric stability
- Principles of testing, sampling and sample preparation
- Practical training and demonstration of the above tests
- Methods of mounting samples
- Instruction and experience of assessing results; comparison of instrumental and visual techniques of assessment

Colour Fastness Testing of Textiles – Certificate of Competence

Who this course is for

Designed for anyone who is directly involved in carrying out the tests and their assessment to ensure that their products meet client specifications whether in a dyehouse, a laboratory or at a retailer/brand. This course is designed to both teach the methods and assess the competence of the candidate to carry out the tests and assess the results.

What you will learn

- Practical knowledge of colour fastness techniques and assessment
- Practical knowledge of sample preparation and mounting
- An understanding of the process of writing a standard
- An appreciation of why standard test methods must be carried out as specified
- The ability to perform test methods accurately
- An introduction to ISO standards for colour fastness testing and fabric stability
- Principles of testing, sampling and sample preparation
- Practical training and demonstration of the above tests
- Methods of mounting samples
- Instruction and experience of assessing results; comparison of instrumental and visual techniques of assessment
- All candidates will be assessed for competence in carrying out the tests and assessment of results



Coloration

This course focuses on the different fibres available and the techniques used to colour them. It provides the basic knowledge of fibres, dyes, techniques of application and machinery to ensure that everyone in the supply chain understands coloration and talk the same language.

Introduction to Coloration: Fibres to Coloured Fabrics – Certificate of Attendance

Who this course is for

Anyone who ensures colour is consistent from design to final garment, this course will provide you with the basic knowledge to discuss colour with authority.

What you will learn

You will gain an understanding of:

- How your decision can affect the dyeing
- How to recognise a real industrial challenge as opposed to a lazy decision.
- The different types of fibre available
- The different classes of dye available
- How a dye and fibre interact and why
- The machinery used in dyeing different fibres, yarn or fabric
- The concerns about chemical and dye usage and retailer restricted substance lists



“Of greatest value was how the theory and science of coloration is relevant to us”

Assistant buyer – Retailer.

“Understanding different types and ways to dye – practical demos and questions relevant to us”

Assistant Technologist - Retailer

Introduction to Coloration: Fibres to Coloured Fabrics – Certificate of Appreciation

Course content similar to attendance course with a written examination held at the end of the course.

Coloration Competency course

Due to the vast scope covered by coloration a generic competency course is not offered. If you have a demand for a competency course to cover an area of coloration please



Society of Dyers and Colourists

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