

ENROLMENT FORM

Please photocopy and mail with payment to:

Adrian Thomas

SCAA Vic Section Technical Education Committee

C/o Chemicalia Pty Ltd

PO Box 23, Mount Waverley BC, VIC 3149.

PHONES: (03) 9543 1587; 0409 549 768

FAX: (03) 9543 1557 Email: adrian@chemicalia.com

COURSE NAME: *Advanced Course in Surface Coatings Technology*

DAY: *Tuesday/Thursday evenings* **TIME:** *6:00—9:00 PM*

COURSE COMMENCES: *Tuesday 16th March 2010*

FAMILY NAME: _____

GIVEN NAME(S): _____

ADDRESS: _____

_____ **POSTCODE:** _____

TELEPHONE: (Work) _____

(Home) _____

(Mobile) _____

GENDER: (M/F) _____ **SCAA Membership No.** _____

(if applicable):

EMAIL: _____

EMPLOYER: _____

ADDRESS: _____

_____ **POSTCODE:** _____

Payment by Card: Mastercard: Bankcard:

VISA: Amex: Diners:

Card Number: ____/____/____/____ Expiry: __/__

Name on Card: _____

Cardholder Signature: _____

If payment to be made by employer upon invoicing by SCAA,
please complete employer's details below:

Contact Name: _____

Phone No: _____

EMAIL: _____

COURSE FEE: \$1760 (including GST) for SCAA members
\$2502.50 (including GST) for non-members

Please make cheques payable to Surface Coatings Association
Australia.

FURTHER INFORMATION

John Lyons representing the Technical Education
Committee of the Surface Coatings Association of
Australia

PHONE: (03) 9899 0063; 0425 871 565

Email: jsaej@ozemail.com.au

COURSE VENUE

This programme will be conducted at:
City Cite, 12th floor, 474 Flinders Street, Melbourne, VIC 3000.

Surface Coatings Association Australia



COMMENCING MARCH 2010

Advanced Course in Surface Coatings Technology



This publication is an information document. Every reasonable effort has
been made to ensure that the information in this document is accurate,
however it may be subject to change. February 2010.

Advanced Course in Surface Coatings Technology

COURSE AIMS

To provide specialised knowledge of Coatings Technology as applied to the:- raw materials, formulation, manufacture, and applications of paints and inks.

CLIENT GROUP

Technical staff, including laboratory chemists and sales staff, who are working in the paint, ink or other coatings related industries, including manufacturers, raw material suppliers and coatings users.

PREREQUISITES

Degree, Diploma or Associate Diploma in Chemistry (or equivalent qualification), or successful completion of Year 12, including Chemistry, plus employment experience in the paint/coatings related industries.

COURSE STRUCTURE, DURATION AND MODE OF STUDY

2 x 3 hours evening lectures per week x 32 weeks
Total class time = 186 hours.

EXEMPTION

Due to the specialised nature of the course, exemptions will not be considered.

COURSE DEVELOPMENT PROCEDURES

The course has been developed by the Surface Coatings Association of Australia – Victorian Section, whose members comprise the teaching panel.

COURSE MAINTENANCE PROCEDURES

The course is continuously monitored by the Surface Coatings Association of Australia in consultation with the students, to ensure the relevance of subject matter, materials, techniques, teaching practices and appropriate skill levels.

ASSESSMENT PROCEDURES

Students must satisfactorily complete 3 x 2 hour internal examinations.

AWARD

Students successfully completing the course will receive a certificate from the Surface Coatings Association Australia which is recognised by the Australian Paint Manufacturers Federation and widely throughout the industry.

COURSE CONTENT

UNIT 1: POLYMERS

- Introduction to Polymer Science
- Vegetable Oils and Varnish Resins
- Alkyd Technology and Preparation
- Modified Alkyds
- Polyesters/Water Reducible Polymers
- Epoxies and Curing Agents
- Silicone Polymers
- Amino & Formaldehyde Resins
- Cellulosic Polymers
- Acrylic Solution Polymers
- Emulsion Polymers
- Polyurethane Resins

UNIT 2: SOLVENTS AND ADDITIVES

- Solvents
- Rheology/Rheology Modification
- Surfactants
- Coatings Additives

UNIT 3: FORMULATION AND DISPERSION

- Dispersion Theory
- Formulation Parameters
- Dispersion Equipment and Methods

UNIT 4: PIGMENTS AND COLOUR

- Titanium Dioxide Pigments
- Colour Theory/Colour Matching
- Introduction to Coloured Pigments
- Organic Pigments
- Inorganic Pigments
- Anti-Corrosive & Extender Pigments

UNIT 5: TECHNICAL MANAGEMENT

- The Technical/Marketing Interface
- Environmental Sustainability
- Standards and Accreditation

UNIT 6: SAFETY

- Coatings Toxicology
- Occupational Health and Safety

UNIT 7: COATINGS TYPES

- Corrosion Prevention
- Conversion Coatings
- Heavy Duty Coatings
- Anti Fouling Marine Paints
- Timber Stains and Finishes
- Decorative Coatings
- Automotive Primers/Undercoats
- Automotive Topcoats
- Automotive Refinish Systems
- Industrial Coatings
- Coil Coatings
- Rigid Packaging Coatings
- Powder Coatings

UNIT 8: PRINTING INKS

- Printing Inks – processes and applications

UNIT 9: COATINGS ANALYSIS

- Analysis of Coatings

REFERENCE TEXTS

Students are advised to access the Surface Coatings Association of Australia textbooks “Surface Coatings” Volume 1 & 2. These may be purchased by contacting SCAA on www.scaa.asn.au

COURSE VENUE

This programme will be conducted at:
City Cite, 12th floor, 474 Flinders Street, Melbourne, VIC 3000.

CONDITIONS OF ENROLMENT

Places cannot be reserved until full fee is paid. If there are insufficient enrolments, courses may be postponed or cancelled (and fees refunded in full). Classes are not held on public holidays. All students must complete the official enrolment form before commencement of the first class.

SCHEDULING OF CLASSES

Classes will be held on Tuesday and Thursday nights 6:00pm – 9:00pm.
Commencement date – 16th March 2010.

COURSE FEE AND PAYMENT

Course Fee is:

- \$1760 (including GST) for SCAA members
- \$2502.50 (including GST) for non-members

Payment can be made by cheque (payable to “Surface Coatings Association Australia”) Alternatively, SCAA will invoice the student's employer if requested. Details must be given on the Enrolment Form overleaf. Payment is to be made within 14 days.

SCAA Membership (including joining fee) is \$225.50 (including GST) for Australian residents. Membership forms are available at www.scaa.asn.au

REFUNDS

No refund will be given after a course commences. A \$50 administration fee applies to withdrawals.

ADMINISTRATIVE ENQUIRIES

Please direct any administrative enquiries to:

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