Colour Imaging Group

The Colour Imaging Group delivers postgraduate courses in Digital Colour Imaging, and in addition pursues a research programme in colour imaging in the graphic arts.

Facilities
The colour imaging metrology lab has a full range of equipment for the measurement of colour, including a telespectroradiometer and a range of spectrophotometers and colorimeters, opaque reference materials for calibration, and goniophotometric attachments for multi-angle measurement.

A psychophysics lab with Verivide viewing booths and transparency illuminator is used for the study of colour appearance under controlled viewing conditions.

A dedicated seminar room and student lab are equipped with a wide range of computer and imaging equipment for student use.

Current research
A number of research projects are currently underway in graphic arts colour imaging. The main areas of work are in gloss and its effect on colour appearance, acceptability tolerances for colour reproduction in different media, colour gamut mapping between photographic and print media, and colour measurement, colour appearance and viewing conditions for graphic arts applications.

Short courses
The Colour Imaging Group offers a programme of intensive short courses, aimed mainly at professional users of colour imaging who need a greater understanding of the underlying technology. Our current programme includes: Colour measurement, Colour management and Process control.

Details are at http://www.digitalcolour.org

Graphic design by George Hayhurst

Postgraduate programme:

MSc, Diploma and Certificate in Digital Colour Imaging

THE LONDON
INSTITUTE LONDON COLLEGE OF PRINTING
CAMBERWELL COLLEGE OF ARTS CENTRAL
SAINT MARTINS COLLEGE OF ART AND DESIGN
CHELSEA COLLEGE OF ART AND DESIGN
LONDON COLLEGE OF FASHION

Digital Colour Imaging

The postgraduate programme in Digital Colour Imaging is an advanced course in the science and technology of colour imaging. This exciting and innovative course has a strong research focus, and is taught by Colour Imaging Group staff who have a substantial record of research and publication.

The course is based in purpose-built colour imaging laboratories, fully equipped with colour measurement instruments, image capture devices and a wide range of printing systems. A specialist metrology lab is the centre for continuing research into the relationship between the measurement and appearance of colour, while a psychophysics lab enables controlled study of colour appearance.

London College of Printing is an international centre for the study of all forms of graphic and media communication. The School of Printing and Publishing is unrivalled in its specialist staff and equipment base and its range of courses at all educational levels. Prepress and printing equipment covers the full spectrum from Heidelberg four-colour conventional and digital offset presses to small and large-format digital printers.

The Postgraduate programme in Digital Colour Imaging is a flexible and modular course with a number of different modes of study and exit points. It has strong links to the colour reproduction industry, particularly in commercial printing and the newspaper industry. Many students remain in employment while they study on the part time mode of the course, and it is often possible to focus project work on solving colour imaging problems within their company.

MSc, Postgraduate Certificate and Postgraduate Diploma

The taught course is in three phases, each leading to a separate award.

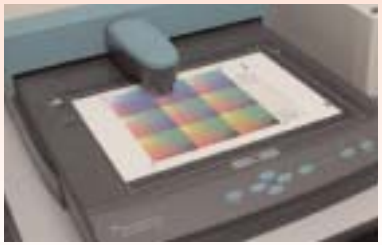
The Postgraduate Certificate provides a solid grounding in colour science and an advanced understanding of the technologies of colour imaging, for which students complete 3 course modules.

The Postgraduate Diploma provides further specialist study of colour management and and other imaging topics, together with training in methods for carrying out research in the subject. Students complete a total of 6 modules.

The MSc builds on the knowledge and skills acquired in the taught modules and culminates in a research-oriented Major Project. This is excellent preparation for those interested in industrial research and development, or in registering for a research degree.

Taught modules available within the postgraduate programme are:

- Introduction to imaging and scientific methods
- Colour perception and measurement
- Colour imaging systems
- Programming for colour imaging
- Colorants and their carriers
- Research methods for colour imaging
- Colour management



Modes and duration of courses

Award	Duration	Start	Mode
Postgraduate Certificate	8 months	January	part time
Postgraduate Diploma	16 months	January	part time
Postgraduate Diploma	8 months	January	full time
MSc	One year	January	full time
MSc	Two years	January	part time
MSc by Project	One year	March or September	full time
MSc by Project	Two years	March or September	part time

MSc by Project

Students with previous experience of colour imaging at an advanced level can opt to undertake a single substantial project. This pathway has only one taught module (Research Methods for Colour Imaging) followed by an extended study of a colour imaging problem. The project will normally be divided into phases including a review of previous literature, design and execution of experiments, analysis and writing up of results.

Supervision of the project is by a member of staff with research experience in the topic of study, and is conducted by a mix of email correspondence and personal meetings. Students enjoy access to laboratory facilities and learning resources at LCP during their study. The

MSc by Project is also an ideal vehicle for advanced study by students who are based in companies or outside the UK and can access the facilities needed for their research locally.

The taught programme begins in January each year, and modules are offered on Mondays and Tuesdays through the year. Applications are welcomed from potential students who have a good first degree or substantial industrial experience in colour reproduction, and are reasonably numerate. Graduates of the programme are well placed to move into challenging technical posts, or into full-time research and development in commercial or higher education sectors.

For further information, or apply for the course, contact the Course Director Phil Green at pj.green@lcp.linst.ac.uk

www.digitalcolour.org