Recommended equipment

For the mouth
A set of retractors, preferably individual. A set of adult and child occlusal mirrors. A contraster.
Accessories used on this course available at http://www.dentalphotographyinpractice.com/mirrors.htm

The camera
Our MOOC uses Nikon and Canon DSLR cameras to demonstrate the settings. If you use a different DSLR camera, you will need to consult its manual to achieve the settings.

We will be showing you how to use a standard "off the shelf" DSLR camera + standard macro lens for dental photography. However, we recommend that you acquire a body, a telephoto macro lens, and a ringflash, as described below.

A telephoto macro lens means that you can stand further away from the patient to get a good close-up shot.

A ringflash fitted to the front of the camera gives even illumination. The pop-up flash that is built in to the camera can cast very dark shadows.

Ideal recommended set up:
- Canon 700D body.
- Canon EF 100mm f2.8 USM Macro Lens
- Nissin MF-18 ringflash Canon fit

Minimum recommended set up:
- Canon 700D body with 18-55mm macro zoom kit.
- Nikon D5200 body with 18-55mm macro zoom kit.

See next page for alternatives...
Alternative set ups:

The camera
Canon or Nikon DSLR. All current models
(older models are fine as long as they can take jpeg and RAW images simultaneously)

**Canon**

**Body:** 1200D, 100D, 700D, 70D, 6D

**One Lens:**
- Canon EF 100mm f2.8 USM Macro Lens
- or Sigma 105mm f2.8 macro EX DG OS lens
- or Tamron 90mm f2.8 SP Di Macro lens
- or (less favourite) Sigma and Canon lenses as above but 70mm macro
- or (least favourite) Canon-fitting 18-55mm macro zoom lens.

**Ringflash:**
- Canon MR-14 EX Macrolite
- or Sigma EM-140 Macro flash
- or Nissin MF18 ringflash

**Nikon**

**Body:** D3200, D5300, D7100, D610, D7000, D7100, D800

**One Lens:**
- Nikon 105mm f2.8 G AF-S VR IF ED Micro lens
- or Sigma 105mm f2.8 macro EX DG OS lens
- or Tamron 90mm f2.8 SP Di Macro lens
- or (less favourite) Sigma lens as above but 70mm macro
- or (least favourite) Nikon-fitting 18-55mm macro zoom lens.

**Ringflash:**
- Sigma EM-140 Macro flash Canon & Nikon
- or Nissin MF18 ringflash Canon & Nikon
- or Dine Ring and Point flash Nikon

Related links from the Birmingham dentistry MOOC team:

**MSc Advanced General Dental Practice:**
Part-time distance learning from the University of Birmingham
[http://www.mscagdp.com](http://www.mscagdp.com)  email: msc@dentistry.bham.ac.uk
This MOOC gives a taste of the quality of on-line teaching for this popular and sought after postgraduate degree for dentists. Please mail us for more info, we’d love to have you on our course.

**Dentaljuce: online CPD**
[http://www.dentaljuce.com](http://www.dentaljuce.com)
Online verifiable CPD from the Birmingham School of Dentistry e-learning Team

**Mike Sharland**
[www.dentalphotographyinpractice.com](http://www.dentalphotographyinpractice.com)  email mike@dentalphotographyinpractice.com
Mike, the senior instructor’s web site. Details of in-practice courses and equipment sales. (Coming in June an APP on Apple and Android...DentalPhoto.)