

Radiation Safety in Mobile Fluoroscopy

Online Refresher Course

This course has been developed to meet the requirements of the College of Physicians and Surgeons of BC for the training of staff who use fluoroscopy in surgery. It is used by many clinics in BC and Alberta.

Contents of Course

Radiation and radiation effects

- Dose
- Effective Dose
- Risk
- Natural background radiation

Radiation Regulations

- ICRP, Health Canada, WCB
- Dose limits
- Personnel dosimeters

Primer – Fluoroscopy Systems

- Components
- Dose control
- Magnification

Optimizing Radiation Exposure

- Patient Radiation Exposure
- Minimizing Exposure of Operators
- Minimizing Exposure of Staff
- Scattered radiation
- Protective equipment

Practical Fluoroscopy Tips

The new online course uses the latest interactive learning techniques. Self-assessment questions are included after each section, with immediate feedback for correct or incorrect responses. The course can be left and resumed before taking the final quiz which consists of 10 multiple choice questions. Participants can restart and retake the course up to three times. If all the material is reviewed and 60% of the final questions answered correctly, a certificate of completion will be automatically generated and can be printed for your records.

The course can be paid for and accessed online as described below.

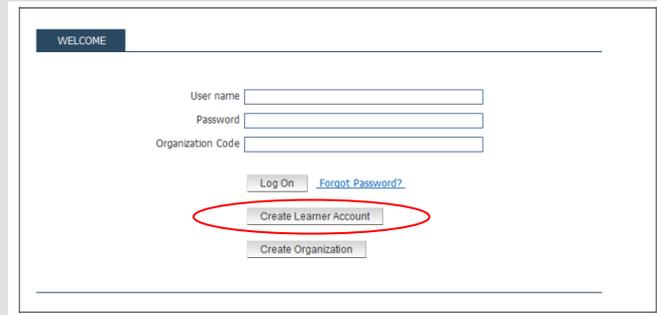
Instructions for Taking Courses

A. Self Registration

You can register, pay for the course using PayPal, take the course in as many sessions as you wish, and take the final quiz all online. If you achieve a pass mark of 60% or more and you have reviewed all the material (visited every page/screen) a certificate will be automatically generated for you.

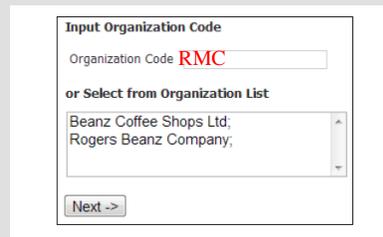
1. Login to lms.udutu.com

2. Choose *Create Learner Account*.

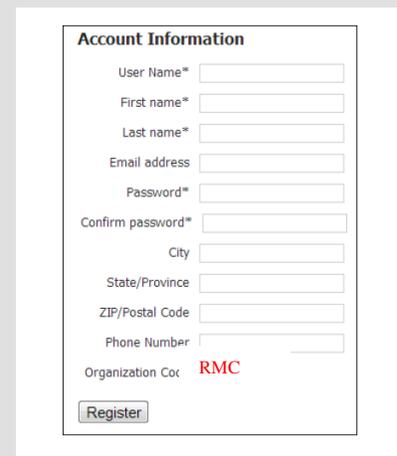


The screenshot shows a 'WELCOME' header at the top. Below it are three input fields: 'User name', 'Password', and 'Organization Code'. Underneath these fields are four buttons: 'Log On', 'Forgot Password?', 'Create Learner Account' (which is circled in red), and 'Create Organization'.

3. In *Organization Code* enter RMC



The screenshot shows a form titled 'Input Organization Code'. It has an input field for 'Organization Code' with 'RMC' entered. Below this is a section 'or Select from Organization List' with a dropdown menu showing 'Beanz Coffee Shops Ltd;' and 'Rogers Beanz Company;'. A 'Next ->' button is at the bottom.

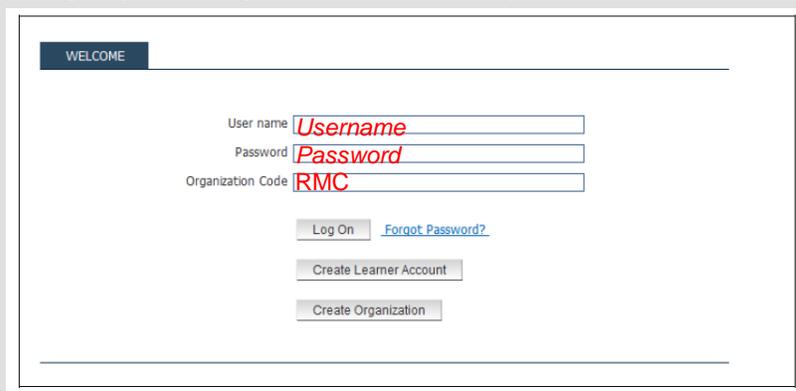


The screenshot shows a form titled 'Account Information'. It contains several input fields: 'User Name*', 'First name*', 'Last name*', 'Email address', 'Password*', 'Confirm password*', 'City', 'State/Province', 'ZIP/Postal Code', and 'Phone Number'. The 'Organization Code' field has 'RMC' entered. A 'Register' button is at the bottom.

4. Complete the *Account Information*. The name you choose will be used on the final Certificate. Make a note of your *User Name* and *Password* you have chosen (you will need this later to login to the course), then select *Register*

5. You will then be taken to the main LMS login page again. To login as a Learner enter your *User Name* and *Password* and the *Organization Code*
This time choose *Log On*

6. You will then be taken to your own Home Page. Select *My Training*. You will see what courses are available and the cost (in Tuition Dollars) to take the course.

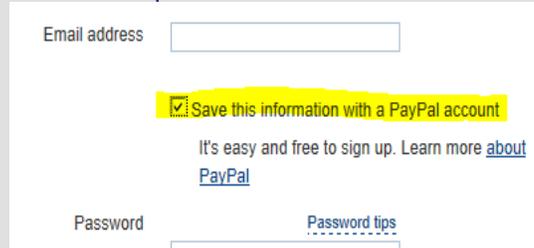


The screenshot shows the same 'WELCOME' login page as before, but with the input fields filled in: 'User name' contains 'Username', 'Password' contains 'Password', and 'Organization Code' contains 'RMC'. The buttons are the same as in the previous screenshot.

7. Choose *My Account*. Select Purchase Tuition Dollars and type in the number of Tuition Dollars you need to take the course. The cost for the Fluoroscopy Course is 100 Tuition dollars. (Tuition Dollars have the same value as US dollars).

Instructions for Learners (Continued)

8. Choose *Purchase*. You will be taken to a secure PayPal site to make the purchase. Complete the form with the information for the credit or debit card or PayPal account which you will use to make the purchase. The email address is required so you can be sent a receipt.



The screenshot shows a PayPal payment form. At the top, there is a text input field labeled "Email address". Below it is a checkbox with the text "Save this information with a PayPal account", which is checked. Underneath the checkbox is the text "It's easy and free to sign up. Learn more [about PayPal](#)". At the bottom, there is a text input field labeled "Password" and a link labeled "Password tips".

IMPORTANT: If you wish to pay for more than one course with the same credit card make sure to UNCHECK the box "Save this information with a PayPal account" as only one credit card can be associated each Paypal account

9. You should then be directed back to the Home page. Check *My Account* to ensure the dollars have been credited to your LMS account. If not choose *Get Paid Tuition Dollars* and the dollars will be retrieved.

10. Select the course you wish to take. You will be asked if you wish to have Tuition Dollars deducted to pay for the course.

11. You will then be directed to a page from which you can Launch the course, resume the course from previous sessions, or review the course.

You can start, resume and review the course at any time using the LAUNCH button
The RESTART button should be used sparingly, as it will delete the history of any attempts you previously made and start all over again.

You can restart the course a total of three times.

You can login at any time using the procedure in step 5.

12. To complete the course you must visit every page and achieve a 60% or greater pass mark.
When you have satisfactorily completed the course, you will be awarded a certificate, which can be printed out in colour from the sidebar *My Certificates*. You can print in portrait or landscape depending on your printer settings.