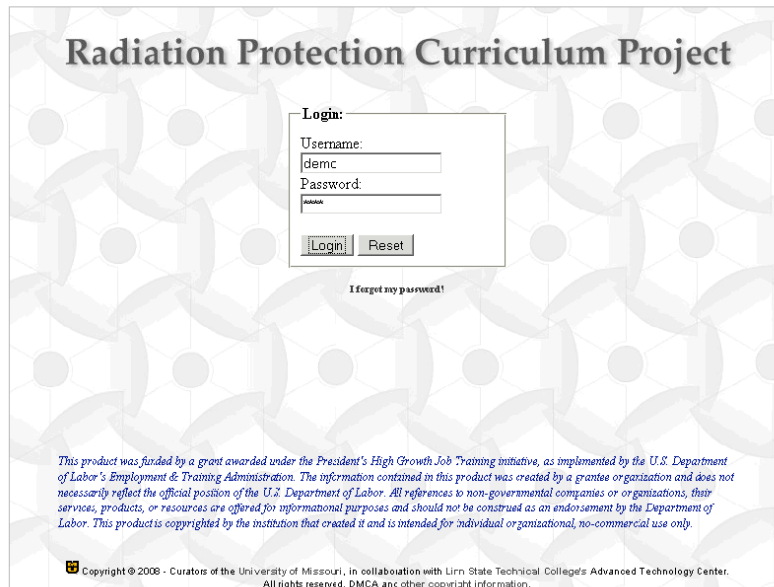


## Instructions for use of the MU-DOL Radiation Protection Curriculum Project Web Site

- 1) Log into: <http://nsedu.rnet.missouri.edu/demo/>
- 2) Enter “demo” and “demo” for the userid and password.



**Radiation Protection Curriculum Project**

**Login:**

Username:  
demc

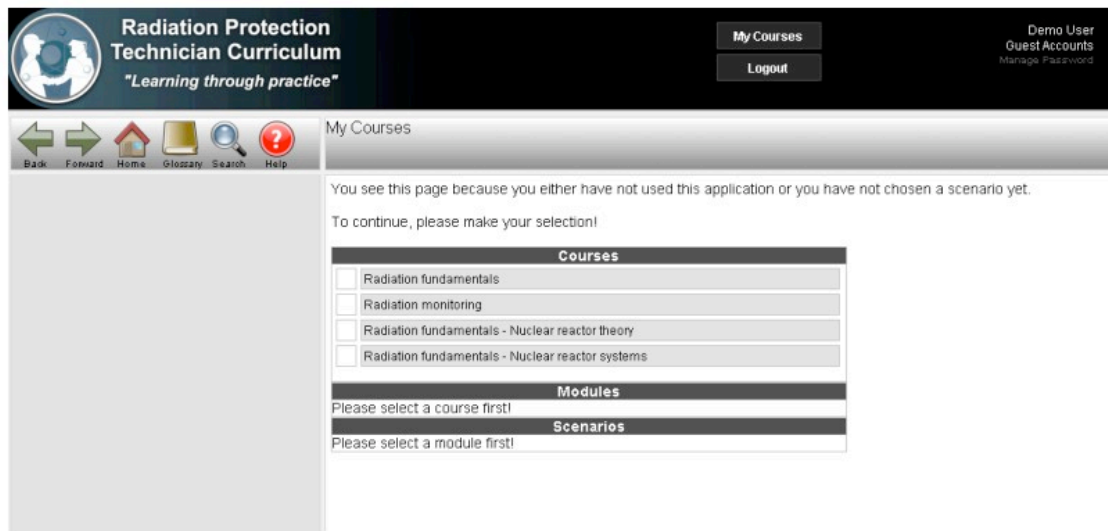
Password:  
demo

[I forgot my password!](#)

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- 3) Depending upon your browser a second page may open automatically or may appear as another web page tab which you must click.. You should see the following. If the page does not show a list of course, click on “My Courses” at the top:



**Radiation Protection Technician Curriculum**  
"Learning through practice"

Demo User  
Guest Accounts  
[Manage Password](#)

Back Forward Home Glossary Search Help

### My Courses

You see this page because you either have not used this application or you have not chosen a scenario yet.  
To continue, please make your selection!

Courses
<input type="checkbox"/> Radiation fundamentals
<input type="checkbox"/> Radiation monitoring
<input type="checkbox"/> Radiation fundamentals - Nuclear reactor theory
<input type="checkbox"/> Radiation fundamentals - Nuclear reactor systems

Please select a course first!

Modules
Please select a module first!

Scenarios
Please select a scenario first!

4) Select the course of interest from the list. As an example, select “Radiation monitoring.”

5) Select a Module, such as “Perform environmental sample counting using proportional counters.”

<b>Modules</b>	
<input type="checkbox"/>	Perform dose surveys using ionization chambers
<input type="checkbox"/>	Perform contamination survey of individuals using G.M. friskers
<input type="checkbox"/>	Monitor dose rates using G.M. detectors
<input type="checkbox"/>	Perform field checks for contamination surveys using G.M. friskers
<input type="checkbox"/>	Perform swipe sample counting using proportional counters
<input checked="" type="checkbox"/>	Perform environmental sample counting using proportional counters
<input type="checkbox"/>	Perform monitoring activities using scintillation detectors
<input type="checkbox"/>	Perform analysis of water samples using liquid scintillation counters
<input type="checkbox"/>	Perform gamma spectroscopy on air effluent samples using high purity germanium detectors
<input type="checkbox"/>	Perform environmental monitoring using thermoluminescent detector

6) Select a Scenario, i.e. “Determine gross alpha/beta activity in environmental samples.”

<b>Scenarios</b>	
<input type="checkbox"/>	Determine gross alpha/beta activity in air exhaust
<input type="checkbox"/>	Determine gross alpha/beta activity in environmental samples

7) An introductory page will appear which will give a “Scenario Description” on the right of the panel and ASK questions on the left:

The screenshot shows the Radiation Protection Technician Curriculum interface. The header includes the course title, navigation buttons (Back, Forward, Home, Glossary, Search, Help), and user options (My Courses, Logout, Demo User, Guest Accounts, Manage Password). The main content area is titled "Radiation monitoring - Perform environmental sample counting using proportional counters - Determine gross alpha/beta activity in environmental samples". The "Scenario Description" section describes a technician named Chris working at a nuclear facility, collecting samples for analysis. An image shows Chris loading a proportional counter. Below the image is the caption "Chris loads the alpha/beta proportional counter". On the left, the "Ask a question!" panel lists several questions with dropdown arrows:

- What radioactive source(s) or isotope(s) are present?
- What do I need to know about this job task(s)?
- How do I perform this monitoring task(s)?
- How do I maintain ALARA for this job task?
- How do I report this?
- How certain am I about what I am doing?

8) After reading this description you may start asking questions on the left hand panel. Select “How do I perform this monitoring task?”

This close-up shows the "Ask a question!" panel. The question "How do I perform this monitoring task(s)?" is selected and highlighted with a dotted border. Below it, three sub-questions are listed:

- What is the procedure for performing this monitoring task(s)?
- What kind of detector/instrument should I use and why?
- What processes are involved in performing this task?

Other questions in the panel include "What radioactive source(s) or isotope(s) are present?", "What do I need to know about this job task(s)?", "How do I maintain ALARA for this job task?", "How do I report this?", and "How certain am I about what I am doing?".

9) A sub-panel will appear giving several more detailed questions. Select “What processes are involved in performing this task?”

**What processes are involved in performing this task?**



One of the processes needed to count for alpha/beta activity is the proper preparation of the samples. In this case, this preparation has been performed for Chris by the Health Physics staff. For alpha/beta counting with a proportional counter, this primarily involves evaporating water samples and drying solid samples so that the alphas or betas being emitted by the sample can penetrate the sample and reach the detector.

10) At this point a variety of panels may appear depending upon the content. It might include text, pictures or video clips. If a video clip appears, click the Play arrow to view the video.



11) You can randomly ASK questions or return to “My Courses” at the top of the page to start the process again on a new course, module, scenario and ASK questions..