Course Outline: 5208 Radiation Protection


One 3-hour lecture per week, Monday evening, 5:00 pm – 8:00 pm, with a 15 minute break around 6:30-6:45 pm.

Location: The Ottawa Hospital Cancer Centre
Conference Room C2363, Second floor
Lectures 3, 4 and 5 at National Research Council, Montreal Road

Instructor:

David Wilkins
Senior Medical Physicist and Radiation Safety Officer
The Ottawa Hospital Cancer Centre
Medical Physics Dept, 2nd floor, Cancer Centre, The Ottawa Hospital, General campus, 501 Smyth Road, Ottawa K1H 8L6
(613) 737-7700 ext 70010
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Lectures 3, 4 and 5 will be taught by
Patrick Saull
Senior Research Officer
National Research Council of Canada
Ionizing Radiation Standards
1200 Montreal Road, M-35,
Ottawa, K1A 0R6
(613) 993-2715 ext 240
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Textbook: Introduction to Health Physics, 4th edition,
Lecture Dates (2014):

1. Jan 6  
2. Jan 13  
3. Jan 20  
4. Jan 27  
5. Feb 3  
6. Feb 10  
7. Feb 24  
8. Mar 3  
9. Mar 10  
10. Mar 17  
11. Mar 24  
12. Mar 31  
13. Apr 7  
Exam: Apr 14


Lecture 7: Shielding in radiation therapy, bunker design.


Lectures 11: Additional topics to be determined.

Lecture 12: Student presentations, approx 30 minutes each.

Lecture 13: Review as necessary.
**Marking scheme:**

<table>
<thead>
<tr>
<th>Component</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Project and Presentation</td>
<td>25%</td>
</tr>
<tr>
<td>Four assignments:</td>
<td>20%</td>
</tr>
<tr>
<td>Mid-Term exam:</td>
<td>20%</td>
</tr>
<tr>
<td>Final exam:</td>
<td>35%</td>
</tr>
</tbody>
</table>

**Inadequate Term Work:**

In order to write the final exam, students must complete the Project and Presentation, and at least two assignments or the mid-term exam. Failure to complete the Project and Presentation, or the mid-term exam or two assignments, will result in the grade of “Fail – No Deferral (FND)”.

**Policies**

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