THE ACCELERATED EDUCATION PROGRAM PRESENTS:

Accelerator Technology *Online* Education Course

Coming Spring 2022!
(weekly online, live sessions)

The Accelerator Technology Education Course (ATec) is targeted at those interested in enhancing their understanding of linear accelerator technology. This immersive course will examine the theory, functionality, and basic service principles of linear accelerators in a multidisciplinary forum emphasizing the clinical relevance of all components of linac servicing – from beam tuning, troubleshooting imaging systems and safety issues related to accelerator servicing. The course will run virtually **for three weeks** (dates to be announced by December 2021). Each week will include a 2.5 hour lecture/group discussion and a 2-hour tutorial. Weekly offline tasks include offline recordings and lab assignments using the SIMAC software platform (estimated time commitment – 5 hours).

Course Directors: **Mr. Bern Norrlinger** & **Dr. Patricia Lindsay**
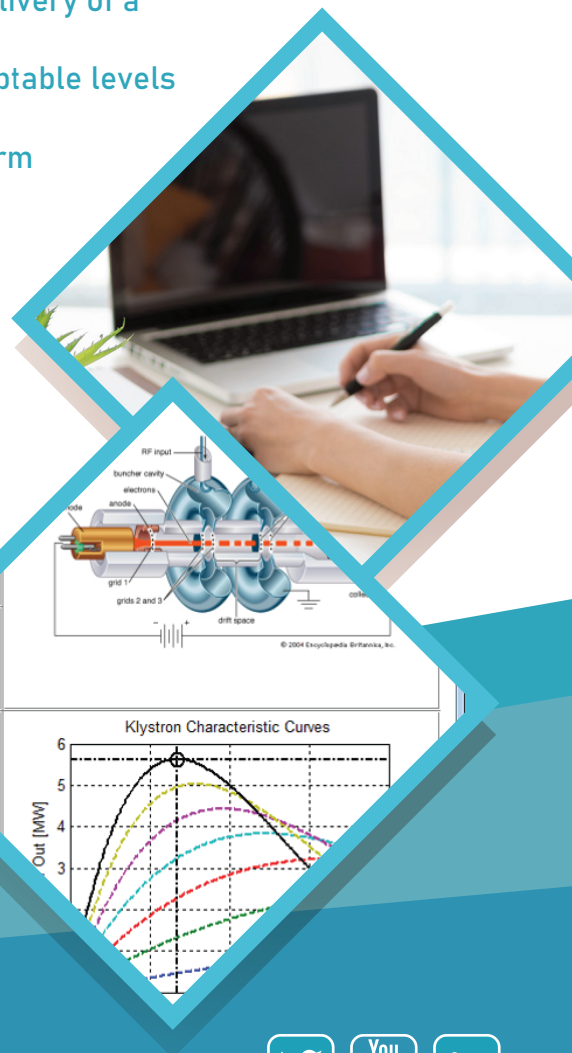
Course Objectives:

By the end of this course, participants will be able to:

1. Describe linac components and their role in the production and delivery of a standard radiation beam
2. Identify when performance of various components fall out of acceptable levels and how that impacts delivery of radiation
3. Troubleshoot deviations using a simulation-based software platform
4. Identify common image quality issues and their cause
5. Manage accelerator servicing activities

Course Details:

- Live, online meetings (dates TBA December 2021)
- Offline self-directed content for completion between live, online sessions
- Mix of didactic sessions & simulated learning experiences with interprofessional expert faculty
- **Registration: $1,100 CDN**

SPACE IS LIMITED! Register by contacting us at: aep@rmp.uhn.ca
or visit AEPeducation.ca

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