

Due to the COVID-19 crisis, the information below is subject to change, in particular that concerning the teaching mode (presential, distance or in a comodal or hybrid format).

3 credits

Q2

Language :	English
Place of the course	Autre site
Main themes	<ul style="list-style-type: none"> • At the beginning of the academic year the Teaching Committee offers a menu of advanced courses. • The student communicates his/her choice of two one-day courses to Prof. P. Baeten and the BNEN secretariat before October 15. • Students may submit to the Teaching Committee motivated proposals to follow advanced courses, not appearing in the menu offered. A course should be accessible to all BNEN students, differ significantly from the professional activity of the concerned students (if applicable) and present an academic added value to be eligible. If such a proposal is accepted, students will provide the course material in electronic format to the academic responsible.
Aims	<p>The advanced courses are an essential part of the post-graduate programme for Master of Science in Nuclear Engineering, as they address specialized topics corresponding either to extensions of the contents of regular courses or to practical domains of nuclear engineering.</p> <p>-----</p> <p><i>The contribution of this Teaching Unit to the development and command of the skills and learning outcomes of the programme(s) can be accessed at the end of this sheet, in the section entitled "Programmes/courses offering this Teaching Unit".</i></p>
Evaluation methods	<p>Due to the COVID-19 crisis, the information in this section is particularly likely to change.</p> <p>Within 3 weeks after the event, students prepare a one-page note presenting a scientific/technical topic related to the course, which they want to present/discuss, and the main lines of the treatment they plan to develop. This treatment should be mainly based on a personal research, beyond the contents of the course material.</p> <p>Comments on this note are sent by the academic responsible within a few days.</p> <p>By the next 3 weeks, a 15 page report developing the topic selected by the student must be sent to Prof. P Baeten Labeau (pbaeten@sckcen.be-) and the BNEN secretariat (bnen@sckcen.be). The respect of this deadline influences the mark received by the students.</p> <p>Reports should display a clear structure (clear introduction and conclusion, references cited in the body of the text). A mark of 00 out of 20 will be given to reports presenting evidences of plagiarism.</p>
Inline resources	https://www.sckcen.be/fbnen
Other infos	<p>This course is part of the Advanced Master programme in nuclear engineering organized by the Belgian Nuclear Higher Education Network (BNEN). BNEN is organised through a consortium of six Belgian universities and the Belgian Nuclear Research Centre, SCK-CEN and takes place at the SCK-CEN in Mol. Prof. Peter Baeten ' Vrije Universiteit Brussel</p>
Faculty or entity in charge	EPL

Programmes containing this learning unit (UE)				
Program title	Acronym	Credits	Prerequisite	Aims
Advanced Master in Nuclear Engineering	GNUC2MC	3		