

A CANDU¹ Textbook is finally here: “The Essential CANDU”

UNENE² is pleased to announce that "The Essential CANDU" textbook is now a reality. This was initiated by UNENE, administered by CANDU Owners Group (COG) and funded by all CANDU utilities in Canada and offshore with Prof. W. Garland as editor-in-chief.

“The Essential CANDU” meets the long-standing need for a peer-reviewed textbook on the CANDU nuclear power technology, suitable for senior undergraduate and graduate students, educators, trainers and working professionals. It enables those new to CANDU to learn about CANDU as an overall system and to pursue specialized topics in depth. As such it prepares undergraduates for a career in the nuclear industry, facilitates the technical training of new employees, and supports knowledge enhancement of experienced employees. It also supports university level nuclear education curricula.



The textbook is now available in the public domain in pdf form under the UNENE banner at www.unene.ca/education/candu-textbook and is meant to be a living document.

CANDU knowledge exists in a number of documents and products that cover significant parts of the CANDU story. UNENE itself hosts a dozen or so graduate level courses that were significant resources for preparing a CANDU textbook. See www.unene.ca for details on those courses. And there are many other existing university nuclear and nuclear related courses in Canada and elsewhere (see for instance <http://nuclearcanada.ca>). Also the CANTEACH repository at <http://canteach.candu.org> contains a large number of legacy CANDU documents, albeit largely descriptive. Significant training, design, analysis and operation documents exist within AECL (currently under SNC-Lavalin Nuclear), Ontario Power Generation, Bruce Power, the CNSC and other organizations comprising the Canadian nuclear industry. “The Essential CANDU”, with its educational focus, is complementary to all that.

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1 CANDU - short for CANada Deuterium Uranium

2 UNENE – University Network of Excellence in Nuclear Engineering

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Author Biographies

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