Online Education by A.N.T. International

A.N.T. INTERNATIONAL®

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WHAT IS A.N.T. INTERNATIONAL EDUCATION PROGRAMME?

The interest for our unique Online Education courses in the areas of Nuclear Fuel, Coolant chemistry and Structural Material Degradation is dramatically increasing. Most likely, this is a consequence of the renewed interest to build new nuclear power plants in the world. A large number of engineers needs to be educated and the A.N.T. International Online Education courses are the perfect tool to fill this need. Today staff with knowledge ranging from no nuclear experience to expert level from more than 30 companies/organisations in 11 countries are taking one or several Online Education courses. A participant can either just take one course of a specific interest or participate in a several years education programme consisting of several courses in a specific order dependant on the interest and background of the participant. The course material is online based and can be accessed at times convenient for practicing engineers and managers. The online approach provides the freedom to complete the course at each individual's pace. After each course has been completed a certificate is issued.

Who is the programme suited for?

Nuclear engineers and managers with knowledge ranging from no nuclear experience to expert level. Our clients work for utilities, regulators, fuel/reactor vendors, nuclear laboratories and experimental reactors.

Why online?

The online approach provides the freedom to complete the course at each individual's pace which is highly appreciated by busy professionals and nuclear engineers. Since the training takes place online it is highly cost effective for you as a customer, while still providing a required qualification with up to date nuclear training.

What's the benefit for you as a customer?

Overall, the courses can enhance profitability and nuclear safety. More specifically, the courses cover more practical aspects, problems faced by the industry and solutions, critical thinking, background knowledge, current knowledge updated every year, helps improving safety culture, and ultimately provides a certificate of achievement to the participants on successful completion of the course.

Why is a special online educational programme needed?

The Universities cover the theoretical aspects of nuclear plant operation but not the practical aspects of operational issues and problem solving. These courses will bridge the gap between theoretical and practical aspects that is critically needed at the current juncture where the utilities are hiring new young engineers.

WHY A.N.T. INTERNATIONAL AND HOW ARE WE UNIQUE?

Through our independent world class network of experts we can provide unique knowledge and experience in the nuclear field. We do not rely on fuel vendors and the information provided in our products and services is unbiased and analysed with a bird's eye view on the business. The lectures are based on seminars conducted by A.N.T. International's experts. Our seminars are much appreciated by the participants with highest ranks in our evaluations. Please see a few of our average scores in the table below (rating from 1/poor - to 5/excellent):

QUESTION	AVERAGE	NUMBER OF RESPONSES
How did the level of information fit your background?	4.0	524
How well did we meet your expectations with the seminar/course?	4.2	313
How were the speakers?	4.4	322
What is your opinion about the A.N.T. International reports	? 4.3	914
What is your overall opinion about the seminar/course?	4.4	328

A.N.T. INTERNATIONAL®

Boosting your Excellence through Knowledge and Training

OUR EXPERTS, YOUR LECTURERS

Our experts have more than 1100 years of cumulative experience working for fuel/reactor vendors and nuclear utilities. Of the current 38 experts, 22 have Ph.Ds.

CUSTOMER FEEDBACK

Today more than 400 engineers and managers have participated/are participating in 42 courses from 60+ companies/organisations such as Utilities, Regulators, Fuel Vendors, Engineering Organisations and Universities from 20 countries.



Jianfei Wei Fuel Engineer TCO EDF

"The online education satisfied the continuous improvement requirements for a dozen colleagues from our department at different proficiency levels. Some of us took the course as a basic level stepping stone for subsequent role-specific training. Others used advanced/expert level courses to enjoy the knowledge transferring from renounced maestro of respective fields. As a supplementation we recommend examining the current ZIRAT annual report for latest progress.

Covid-19 lockdown led to many restrictions whilst opening the opportunity for one to better one's technical apprehension. The convenience of education at one's own ease prompted a proposal and later a purchase order for 20 different A.N.T. International courses. The proposal satisfied a dozen or so colleagues' continuous improvement requirements in thermal hydraulic, fuel material, structural material degradation and coolant chemistry & corrosion technical areas. Various subjects in each technical areas, with proficiency levels ranging from basic to expert, provide coverage impressive in terms of both breadth and profundity."



Fredrik Ehlen Primary Chemistry Specialist Ringhals Nuclear Power Plant, Sweden

"Combining 20 years of nuclear power chemical operation experience with A.N.T. Internationals' online training has given me a deeper and broader understanding of how chemistry affects/interacts with the fuel, radiation protection and structural materials. I will greatly benefit from this knowledge provided by A.N.T. International in my current role. Since the courses are online-based, I have been able to participate when it fits my agenda. The presentations are educational with easy understanding slides presented by expertise within the area and it is e.g. easy to pause the course to look a little more closely at some slides or to immerse yourself in the accompanying reports that are included in many of the courses.

I highly recommend A.N.T. Internationals' courses. The introduction courses are suitable for the engineer with a little less experiences and the advanced courses suits senior engineers, supervisors and others with more experience in the area."



Dr. Lustolde Martínez Laorden Product Engineering ENUSA, Spain " Thanks to an ANT INTERNATIONAL specific course, I had my first academic contact with the metallurgy of zirconium alloys in which the most relevant aspects of the alloys used in the fuel cladding were described. This course allowed me to get an in-depth understanding of the behavior of zirconium alloys under operation and accidental conditions such as mechanical behavior, irradiation effects or corrosion. Other recent acquisitions of A.N.T. International Online Education Courses were related to the characterization of irradiated materials in hot cells or a complete description of all related aspects of the PWR nuclear fuels. All of them perfectly met ENUSA's requirements and those of our customers. Several young engineers in ENUSA are continuously improving their skills taking advantage of the knowledge gathered with A.N.T. International excellent Online Education Courses."

INDIVIDUAL COURSES

A.N.T. International Online Education provides a variety of courses in the areas of Fuel Material, Structural Material Degradation, Coolant Chemistry & Corrosion, Thermal Hydraulics and Neutronics, Interim Storage of Spent Nuclear Fuel, as well as Final Storage of Nuclear Waste.

Some courses involve just watching lectures, while the other courses also requires reading technical reports. In some cases, to finish the course or to be able to proceed to the next level of the more advanced courses, online tests need to be completed to show an understanding of the current material.

The course material, including the online content, can be accessed at times convenient for practicing engineers and managers. You will automatically receive an email with a certificate that you can print or share on social media. If you need a printed certificate, please don't hesitate to contact us and we can send it to you via regular mail.

You reach us at: support@antinternational.com

SEE A SAMPLE VIDEO



OVERVIEW OF FUEL MATERIAL COURSES

Click on the course below to get more information. The rating varies from 1-5, 5 being the highest. The courses without rating has not been rated yet.

COURSE NAME

COURSE LENGTH RATING

OVERVIEW OF COOLANT CHEMISTRY AND CORROSION COURSES

COURSE NAME

General

COURSE LENGTH RATING

PWRs – Primary Side

Secondary System Issues in PWRS/VVERS

BWRs

OVERVIEW OF STRUCUTURAL MATERIAL DEGRADATION COURSES

COURSE NAME

General

COURSE LENGTH RATING

PWRs

BWRs

OVERVIEW OF THERMAL HYDRAULIC AND NEUTRONIC COURSES

COURSE NAME

General

COURSE LENGTH RATING

OVERVIEW OF INTERIM AND FINAL STORAGE OF NUCLEAR FUEL/WASTE COURSES

COURSE NAME

General

COURSE LENGTH RATING

ONLINE EDUCATION PLAN

A.N.T. International also provides educational plans on which order to take the various courses in a several years education programme, for more information please click on the icon below for your interest.





CONTACT

For more information and/or an offer, welcome to contact us at sales@antinternational.com

Please also visit our website for the latest updated information www.antinternational.com