

***Department of Nuclear Physics and Engineering,
Faculty of Physics,
Taras Shevchenko National University of Kiev***



Department of Nuclear Physics and Engineering (the Department), Faculty of Physics, Taras Shevchenko National University of Kiev is involved in education and training activities for nuclear power beginning 1982 based on the more than 30 years experience in neutron physics and project activities for nuclear industry since the establishing the Department in 1945. Hundreds of graduated students are working now in nuclear field throughout the world in the USA, Europe, Russia, Belarus, Ukraine.

The Department is ready to offer 2 years Master Program in Nuclear Power in Russian and English to be developed for covering the primary needs of Turkish students to have them educated and skilled in the following areas:

- fundamentals in neutron physics;
- theory and physics of nuclear reactors (neutronics);
- physics of VVER core, including dynamics, poisoning, transients etc;
- nuclear safety;
- radiation safety of VVER plants;
- thermohydraulics of VVER plants;
- strength calculations for structural integrity of VVER equipment and pipes;
- non-destructive examination of VVER plant equipment and pipes based on IAEA and ENIQ recommendations.

Students educated at the Department are featured by very deep understanding of the fundamentals of VVER operation. Hands-on and practical tasks are developed based on our many years project experience in core and thermohydraulics calculations; structural integrity assessment; life-time extension, etc. Graduated students would be demanded by the operators, national regulator, technical support organizations etc. in Turkey and abroad.

For more detailed information please visit
<http://atom.univ.kiev.ua/npds/ua/IaroS/index.html>