UNIVERSITY of DEBRECEN

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Name of the course:	**Tracing with radioactive isotopes**
Course type:	Optional
Responsible lecturer:	Dr. Ferenc Ditrói
Content:	Radioactive isotopes. Production of radioactive isotopes. Charged particle accelerators. Parameters of radioactive isotopes. Process tracing. Tracing with radioactive isotopes. Medical applications. Industrial applications. Radiation protection relations of application of radioactive isotopes. Thin layer activation. Wear, corrosion and erosion measurement by using thin layer activation
Literature:	•https://www-nds.iaea.org/tla/abouttla.html •https://www-pub.iaea.org/MTCD/Publications/PDF/TE-1897web.pdf •M. Scherge, K. Pöhlmann, A. Gervé, Wear measurement using radionuclide-technique (RNT), Wear 2003, 254(9) pp. 801-817 •G. Deconninck, Introduction to Radioanalytical Physics, Elsevier, 1978, https://doi.org/10.1016/C2013-0-11877-6