

Title:	Measure Theory
Lecture hours:	30
Study period: (summer/winter)	winter or summer
Number of credits:	6
Assessment methods:	homework, test
Language of instruction:	English
Prerequisites:	basics of one- and many-dimensional calculus
Course content:	Measurability, measurable functions, classical integration, product measures and integrals, general measure theory, Hausdorff measures.
Learning outcomes:	To give a general view at summation and integration, also in connection to derivation.
Name of lecturer:	Prof. Oleh Nykyforchyn
Contact (email address):	oleh.nyk@gmail.com
Literature:	Endre Pap, 2002, Handbook of measure theory, Amsterdam, North Holland/Elsevier, http://www.sciencedirect.com/science/book/9780444502636