



Politechnika Krakowska
im. Tadeusza Kościuszki

FACULTY: ENVIRONMENTAL ENGINEERING

COURSE TITLE: MUNICIPAL SOLID WASTE MANAGEMENT

Institute/Division: Institute of Heat Engineering and Air Protection

Number of contact hours: 30 (Lectures, design-type exercises)

Course duration: 1 semester (SPRING)

ECTS credits: 2

Course description: *The students are expected to understand the new approach to municipal wastes collection and handling towards general principle of sustainable development of cities. Student will gain practical knowledge in application of computer programs to perform analysis of municipal waste management. Specific lectures will focus on following issues: integrated waste management and lifecycle inventory, solid waste generation, pre-sorting and waste collection, central sorting, material recycling, biological treatment, thermal treatment, landfilling.*

Literature: White P.R.Franke M., Hindle P. **Integrated Solid Waste Management Blackie Academic Professional 1995; StypkaT.; Municipal Solid Waste Compendium e-book; Other books and papers will be proposed**

Assessment method: Design exercises, final test

Primary target group: 3rd year students in Environmental Engineering programme, BSc (Undergraduate)

Lecturer: Tomasz Stypka, Ph.D. (Eng)

Contact person: Tomasz Stypka PhD. (Eng.); phone 00 48 12 628 2860; e-mail: pisz_mi@wp.pl

Deadline for application: 1st February 2016