

Course title: BASIS OF FOOD COMMODITY SCIENCE

ECTS credit allocation (and other scores): 3

Semester: spring

Level of study: ISCED-6 - first-cycle programmes (EQF-6)

Branch of science: Agricultural sciences

Language: English

Number of hours per semester: 30

Course coordinator/ Department and e-mail: dr hab. inż. Waław Mozolewski, prof. UWM, Department of Meat Technology and Chemistry, Faculty of Food Sciences, mozol@uwm.edu.pl

Type of classes: classes

Substantive content

CLASSES: Assessment of the sensory sensitivity of people performing sensory analyses. Commodity assessment of milk, cream and milk drinks. Commodity evaluation of cheese and cottage cheese. Commodity assessment of edible fats. Commodity assessment of fish and fish products. Commodity assessment of meat and processed meat products. Commodity assessment of cereal products (flour, groats, pasta). Commodity assessment of breads. Commodity assessment of fruit and vegetables as well as fruit and vegetable processed products.

Learning purpose: Acquainting students with the methods of commodity assessment of food products.

On completion of the study programme the graduate will gain:

Knowledge: the chemical composition and nutritional value of raw materials and processed food products

Skills: ability to assess the quality of raw materials and products and to identify the causes for their reduced quality

Social Competencies: ability to team work, performing different roles (team leader, non-leading team member)

Basic literature: *Monographs* : "Achievements and challenges of commodity science in the age of globalization" eds. by Andrzej Chochół & Jerzy Szakiel, 2014, Polish Society of Commodity , Cracow, Poland. http://www.ptt.uek.krakow.pl/edc_media/Lite/Item-0091/TinyFiles/Achievements-and-challenges-of-commodity-science-in-the-age-of-globalization-ed-by-chocholszakiel.pdf

"Commodity science in research and practice future trends and challenges in the food sector" eds by Małgorzata Miśniakiewicz, Stanisław Popek, 2014, Polish Society of Commodity , Cracow, Poland. http://www.ptt.uek.krakow.pl/edc_media/Lite/Item-0091/TinyFiles/Future-trends-and-challenges-in-the-food-sector-ed-by-misniakiewiczpopek.pdf

Supplementary literature: *Journals (selected numbers and pages)*: Polish Journal of Commodity Science; Commodities and Markets, Journal of Commodity Science, Technology and Quality

The allocated number of ECTS points consists of: 3

Contact hours with an academic teacher: 45

Student's independent work: 35