Karta przedmiotu / Course description

Informacje ogólne o przedmiocie / General information about the course	
1. Kierunek studiów / Major of study: Pharmacy	2. Poziom kształcenia / Study level: uniform master's degree studies 3. Forma studiów / Form of study: stationary
4. Rok / Year: III	5. Semestr / Semester: winter
6. Nazwa przedmiotu / Course name: Bromatology	
7. Status przedmiotu / Course status: compulsory	
8. Jednostka realizująca przedmiot, adres, e-mail: Name of Department, mailing address, e-mail: Department of Nutrigenomics and Bromatology, 8 Jednosci Street, 41-200 Sosnowiec, Poland, mkimsa@sum.edu.pl	
9. Treści programowe przedmiotu Course contents: The course aims at providing basic knowledge on the chemical-bromatological analysis of some foods and acquiring the ability to characterize food products in terms of chemical composition and nutritional value. To understand the role of nutrients in food and their impact on human health, as well as their use in the prevention and treatment of metabolic diseases. The objective of this course is also to provide the knowledge on the predicting the effects of changes in pharmaceutical and biological availability of drugs as a result of consumption of specific food products and dietary supplements.	
10. liczba godzin z przedmiotu / Number of hours for the course	30
11. liczba punktów ECTS dla przedmiotu / Number of ECTS points for the course	2
12. Formy i tematy zajęć / Forms and topics of classes	Liczba godzin Number of hours
12.2. Seminars	10
1. Role of bromatology in pharmaceutical care	1
2. Antioxidants in plants, key nutrients in fruit and vegetables	1
3. Carbohydrates and dietary fiber	1
4. Role of minerals and vitamins	1
5. Role, structure and chemical composition of fats	1
6. Nutrients of milk and powdered milk	1
7. Food and drug interactions	4
12.3 Laboratory classes	20
1. Fruit juices as sources of bioactive compounds	4
2. Honey as a source of easily digestible carbohydrates and other nutrients	4
3. Composition of therapeutic mineral waters	4
4. Dietary supplements as a source of unsaturated fatty acids	4
5. Special nutrition products – powdered baby milk	4
13. Literatura / Readings 1. Nutrition and Dietetics for Health Care, Helen Barker, Churchill Livingstone 2002. 2. Chemical Analysis of Food, ed. Yolanda Pico, Academic Press 2020. 3. Stockley Drug Inetraction, ed. Claire L Preston, Pharmaceutical Press 2019.	

4. Scientific literature available in databases. **5. Databases: www.drugs.com (Interactions Checker), Stockley's Drug Interactions, www.rxlist.com**
14. Kryteria oceny – szczegóły / Detail evaluation criteria Zgodnie z zaleceniami organów kontrolujących / **In accordance with the recommendations of the inspection bodies** Zaliczenie przedmiotu - student osiągnął zakładane efekty uczenia się / **Completion of the course – student has achieved the assumed learning outcomes** Szczegółowe kryteria zaliczenia i oceny z przedmiotu są zamieszczone w regulaminie przedmiotu / **Detail criteria for completion and evaluation of the course are specified in the course regulations**