

## Course description

### Part 1

General information about the course			
1. Major of study: medicine		2. Study level: unified MSc	
		3. Form of study: intramural	
4. Year: IV		5. Semester: VII,VIII	
6. Course name: Pharmacology I + II			
7. Course status: required			
8. Course objectives			
Pharmacology is the study of drugs and their effects on life processes. The aim of the pharmacology course is to familiarize students with the physical and chemical properties of drugs and their mechanism of action, the pathways of the drug in the body and relationship between dose and drug response, and the problems of interaction between medicines which provides a rational basis for pharmacotherapy.			
Learning outcomes / reference to learning outcomes indicated in (underline as appropriate): education standards (Regulation of the Ministry of Science and Higher Education) / Resolution of the Senate of the Medical University of Silesia (indicate terms specified in education standards / signs of learning outcomes approved by the Resolution of the Senate of the Medical University of Silesia) For knowledge student knows and understands: C.W35. C.W36. C.W37. C.W38. C.W39. C.W40. C.W41. C.W42. C.W43. C.W44. C.W45. For skills student can do: C.U13. C.U14. C.U15. C.U16. C.U17. C.U18. For social competencies student is ready to: 1. perceiving and recognizing one's own limitations, self-assessing deficits and constant educational needs; 2. establishing relationships with the patient and colleagues based on mutual trust and respect; 3. implementing the principles of professional comradeship and cooperation in a team of specialists, including representatives of other medical professions, also in a multicultural and multinational environment; 4. compliance with confidentiality regarding health, patient rights and professional ethics; 5. presenting an ethical and moral attitude consistent with ethical principles and taking action based on a code of ethics in professional practice; 6. propagating pro-health behavior; 7. using objective sources of information.			
9. Number of hours for the course		165	10. Number of ECTS points for the course
			13
11. Form of evaluation: exam			
12. Methods of verification and evaluation of learning outcomes			
Learning outcomes	Methods of verification	Methods of evaluation*/ credit	
Knowledge	Written evaluation – open questions Grade credit – MCQ <u>Summary methods:</u> Written exam / test exam	*	
Skills	Observation	*	
Competencies	Observation	*	

\* For exams and grade credits the following evaluation system has been assumed:

**Very good (5,0)** – the assumed learning outcomes have been achieved and significantly exceed the required level

**Better than good (4,5)** – the assumed learning outcomes have been achieved and slightly exceed the required level

**Good (4,0)** – the assumed learning outcomes have been achieved at the required level

**Better than satisfactory (3,5)** – the assumed learning outcomes have been achieved at the average required level

**Satisfactory (3,0)** – the assumed learning outcomes have been achieved at the minimum required level

**Unsatisfactory (2,0)** – the assumed learning outcomes have not been achieved