



Course name	Methodology of making ceramic masses and glazes
Entity running the course	Faculty of Ceramics and Glass/Department of Conservation and Restoration of Ceramics and Glass
Entity for which the course has been prepared	
Course type	Specialty course, compulsory course .
Year of study/semester; Type of studies	Year IV, semestr 7 and 8; full time master's degree studies
ECTS credits	2
Academic tutor	D.Sc. Henryk Stoksik, professor of the Academy of Art and Design
Aim of the course	The aim of the course is to acquaint the student with the ceramic raw materials used for production of porcelain. The student is supposed to acquire knowledge of the conditions of firing porcelain and glaze creating materials used for the production of porcelain glazes.
Prerequisites	The III year of the study passed.
Learning outcomes:	
- <i>knowledge</i>	The student should demonstrate their knowledge in the area of producing porcelain masses and glazes and know the methods of decorating them.
- <i>skills</i>	The student should be able to prepare porcelain masses, along with highly fusible glazes.
- <i>personal and social competence</i>	The student is a good team member. They understand the need for developing their knowledge. They have the ability to analyze knowledge and use it in practice. They present the obtained results in a comprehensible and approachable manner. They independently analyze and interpret information and manifest the attempts of its critical assessment.
Course content	Calculating the mineralogical composition of porcelain masses. Methods of moulding porcelain. Conditions of firing porcelain. Methods of calculating ceramic and porcelain glazes. Techniques of decorating porcelain: underglaze or overglaze colouring.
Course form and number of course hours	Lecture 15 hours/sem.
Assessment methods and criteria	Semester 7: 100% active participation in classes Semestr 8: 25% active participation in classes, 75% written exam.
Assessment type	Pass at the end of semester 7. Graded written exam at the end of semester 8.
Literature	Atkin J., Podstawy ceramiki , / <i>Fundamentals of ceramics</i> /, Arkady, Warszawa 2007. Warshaw J., Ceramika, / <i>Ceramics</i> /, Arkady, Warszawa 2007. Wyszomirski P., Galos K., Surowce mineralne i chemiczne przemysłu ceramicznego, / <i>Mineral and chemical raw materials of ceramic industry</i> /, Wydawnictwo Naukowe AGH, / <i>Scientific Publisher AGH</i> /, Kraków 2007. Mattison S., Podręcznik ceramika, / <i>Handbook ceramics</i> /, Arkady, Warszawa 2006. Awgustinik A.J., Ceramika, / <i>Ceramics</i> /, Arkady, Warszawa 1980.
Teaching aids	A projector
Language of instruction	Polish