Title **(Grafika inż. o CAD)**	Code **1010401121010210617**
Field **EDUCATION IN TECHNOLOGY AND INFORMATICS**	Year / Semester **1 / 2**
Specialty **-**	Course **core**
Hours Lectures: **2** Classes: **-** Laboratory: **2** Projects / seminars: **-**	Number of credits **4**
	Language **polish**

Lecturer:

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Status of the course in the study program:

Core course of the study program for the branch of Technical-Computer Education, of the Faculty of Technical Physics.

Assumptions and objectives of the course:

Development of student?s ability of imaging the details of the parts and assemblies of any objects on the drawings made with the help of traditional drawing instruments and CAD software.

Contents of the course (course description):

Lectures and computer laboratory exercises including basic knowledge in the realm of engineering graphics, descriptive geometry, and engineering drawing, in the range defined by the syllabus corresponding to the branch of the study.

Introductory courses and the required pre-knowledge:

General mathematical knowledge, with special attention paid to geometry.

Courses form and teaching methods:

The lectures: the methods of carrying out the geometrical constructions, drawing the intersection lines of various objects, principles of engineering drawing. The computer laboratory exercises: drawing intersection lines, carrying out the engineering drawings of the parts and assemblies with the help of AUTOCAD software. -

Form and terms of complete the course - requirements and assessment methods:

Assessment of student?s engagement during the lectures and their abilities during the laboratory exercises. The semester mark is the average of the marks achieved for all the exercises.

Basic Bibliography:

1. Dobrzański T.: Rysunek techniczny maszynowy, WNT, Warszawa, 2002
2. Bieliński A.: Geometria wykreślna, Oficyna Wydawnicza Politechniki Warszawskiej, 2005
3. Rutkowski A.: Części maszyn, Wydawnictwa Szkolne i Pedagogiczne, 2002

Additional Bibliography:

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http://www.put.poznan.pl/