

Title <b>(Grafika komputerowa)</b>	Code <b>1010101131010110035</b>
Field <b>Civil Engineering First-cycle Studies</b>	Year / Semester <b>2 / 3</b>
Specialty -	Course <b>core</b>
Hours Lectures: - Classes: - Laboratory: <b>1</b> Projects / seminars: -	Number of credits <b>1</b>
	Language <b>polish</b>

**Lecturer:**

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**Faculty:**

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**Status of the course in the study program:**

Computer Graphics

**Assumptions and objectives of the course:**

To disseminate the knowledge on the elements of computer graphics for 2D cases applied in civil engineering

**Contents of the course (course description):**

The students are working in computer lab using the shareware software called QCAD. They can also use this program at personal computers. During the course the following topics are in focus of interests:

1. Preparing of basic objects like: line, polyline, point, circle, ring, arc, elips, rectangular, polygone
2. Editing of the objects (using options)
3. Dimensioning on the graphs
4. Layers
5. Localization modes
6. Introducing the text
7. Patterns of strokes

**Introductory courses and the required pre-knowledge:**

Basic knowledge on technical drawings  
Operating the personal computer

**Courses form and teaching methods:**

Labs activity computers (practical exercises)

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

Students present some simple drawings produced in the environment of QCAD. The final mark is the average note from those small projects.

**Basic Bibliography:**

**Additional Bibliography:**