

Field: IT
Module title: Visual programming
Preliminary conditions: C++ programming using object-oriented approach
Education aims: show students some methods of application design and implementation in Windows environment using RAD – Rapid Application Development tools and approach. Student will be able to use programming language and tools to build a simple Windows application, using appropriate architecture and design methods.
Module type and contents: Lecture – Conception of Windows application design using RAD tools; architecture of Windows application, component libraries; basics of GUI design, forms creation using predefined component; design database application; computer graphics implementation; design the DLL libraries. Laboratories – recognize a RAD environment; form creation of GUI design; design database application; programming dynamic libraries, DLL; using predefined component in application design. Attesting project.
Educational methods: Multimedia presentations, computer tools activities.
Assessment methods: Project, documentation
ECTS credits: 6
Students workload (hs.): 150
Number of hours: 30 (15/15) Forms: lectures/laboratories
Author of a module: Piotr Nadybski