Course: SOFTWARE METRICS AND QUALITY ASSURANCE (CSc 840)

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Objectives: The goal of this course is to present the areas of software measurements, modeling, and quality assurance, and to prepare students for research projects in this area.

Prerequisite: CSc 640/848 (Software Engineering) or consent of instructor.


Grading: This course is entirely project-oriented, and has no exams. The grades are based on a series of individual projects.

Research Areas: One of goals of this course is to develop student research interests and skills. So far, this class was active in the following research areas:

- Workload metrics and workload characterization
- Benchmark design: methods and tools
- Software evaluation and quality assurance
- Decision support systems based on LSP method
Literature:

- Metrics

- QA
  Galin, D., *Software Quality Assurance*. Addison-Wesley, 2004

- Testing

- Economics