

Quality Control and Improvement Using Lean Six Sigma Approach

Faculty advisor: Prof. Viliam Makis

The objective is to study in depth lean six sigma approaches and methodologies for quality improvement in organizations. This would include the study from the books, analysis of two published case studies focusing on this area, which will include critical, detailed review of the published case studies, coding of examples whose results are summarized in the published papers, perform more numerical analysis including sensitivity analysis and provide detailed comments. It is expected that the required numerical work will be done using Matlab.

Note: In addition to the listed topics, topics in the area of process/quality improvement, maintenance, reliability, production and inventory control are possible, interested students should contact Prof. Makis, e-mail: makis@mie.utoronto.ca.