

DESCRIPTION OF THE COURSE

Name of course: Quality Control	Code: BIE57	Semester 7
Type of teaching: Lectures, tutorials and laboratory work	Lessons per week: L – 2 hours; T – 1 hour; LW – 1 hour	Number of credits: 5

COURSE STATUS IN THE CURRICULUM: Compulsory for the students specialty Industrial Engineering BEng programme of the English Language Faculty of Engineering.

AIMS AND OBJECTIVES OF THE COURSE: To give knowledge about use of techniques to achieve, sustain, and improve the quality of a product or service. It involves integrating the following related techniques and activities – specifications, design of the product or service to meet the specifications, production or installation to meet the full intent of the specifications.

DESCRIPTION OF THE COURSE: The course treats the Quality Control basic principles and international systems for Quality Control. The theory of probability and statistics, which is used in the various methods for Quality Control, are discussed. The basic experimental methods and techniques for evaluation of quality are treated.

PREREQUISITES: Electrical engineering, Measurements and Instrumentation.

TEACHING METHODS: Lectures are complemented with subsidiary materials and tutorials. Students prepare individual reports for laboratory work.

METHOD OF ASSESSMENT: Written examination at the end of semester.

INSTRUCTIONAL LANGUAGE: English.

BIBLIOGRAPHY:

1. Корийков Ц. Управление на качеството. ПБ при РУ “А. Кънчев”, Русе, 1998г.;
2. Станчева В. Й., К. Я. Киров, Н. П. Стефанов. Управление на качеството. QM, Варна, 1995;
3. Besterfield, D., Quality Control, Prentice Hall, 1986;
4. Crosby, P., Quality is Free, McGraw-Hill Book Company, 1984;
5. Doming, W., Quality, Productivity, and Competitive Position, MIT, 1982;
6. Juran, J., Quality Control Handbook, McGraw-Hill Book Company, 1974;
7. Hoyle, D., ISO - 9000 Quality Systems Handbook, Butterworth-Heinemann Ltd., 1994.