



COURSE DATASHEET

Semester:	2016/17/1
Course:	Introduction to quality management, ISO/TS standards
Code:	VEMKGET145A
Responsible department:	Department of Mechanical Engineering
Department code:	MKGE
Responsible instructor:	Tamás Jenő Kulcsár

Course objectives:

Get acquainted with the historical development of automotive quality management
Get acquainted with the content and requirements of ISO/TS 16949

Course content:

Development of automotive industry(from Ford-to nowadays)
philosophies and conceptions about automotive industry(from mass production to piece production)
production / quality management concepts of automotive industry
internal regulations in automotive industry
quality control senders (VDA, QS) from the main automotive manufacturers
World Economic and of historical events' effects on the automotive industry (world wars, economic crises)
The causes of customer requirements' changings
Changes of Automotive manufacturers and suppliers' relationship
Automotive Quality management's advantaged trends, concepts and expectations nowadays

Reasons for creating ISO/TS 16949
stages, causes of further development of ISO/TS 16949
Structure of ISO/TS 16949
ISO/TS 's relationship with other standars (ISO 9001,ISO 9004, ISO 14001)
Principles of ISO/TS (unified supply system requirements)
Content of ISO / TS
Maintenance and importance of ISO/TS-based Quality Management System
Auditing of ISO/TS-based Quality Management System
Certification of ISO/TS-based Quality Management System

Requirements, evaluation and grading:

the conditions of the Fulfillment of sub-modules:
The written exam includes the full content of lectures and full content of note.



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Requirements, evaluation and grading:

the conditions of the Fulfillment of the modul is the participation in the performance, write the test successfully and the submitting task, too.

Written assignment:

complete the test successfully, which contains 20 multiple-choice questions. (Required minimum level of 80%)

Submitting task :

Write a submitting task, which is the part of the 10 pages portfolio. This task is approved by the teacher.

During 2 semesters each submitting task should related to the same product and production process.

This task should summarize the implementation of the development work which is closely related to the content of the sub module.

Evaluation System:

-Pass: successful test and the submitting task accepted by the teacher

_Fail: failure of the test or the submitting tasks is not accepted by the teacher

Required and recommended readings:

Zsuppán István: A magyar autó története, Kiadó: Oldtimer Media Kft., 2009, Bancsi Péter: Ford, Kiadó: Nagykönyv Kiadó, 2011, Bokor József-Gáspár Péter: Irányítástechnika járműdinamikai alkalmazásokkal, Kiadó: Typotex Kiadó, 2008, Richard A. Johnson: Hat férfi aki megteremtette a modern autóipart, Kiadó: Novella Könyvkiadó, 2007, A magyar jáműgyártás nagykönyve, Kiadó: Palatia Nyomda, 2011, Nagy Imre: Minőségbiztosítás, Műszaki Könyvkiadó, 2001, Csath Magdolna: TQM-Minőségstratégia, Nemzeti Tankönyvkiadó, 2006, Dézsán Imre: Minőségbiztosítás. A minőségirányítás alapjai, Tankönyvmester Kiadó, 2006

Carl Hanser: Qualitätsmanagement nach ISO/TS 16949 Kiadás éve: 2010, Ribizsár Zoltán, Györi Pál: ISO9001-2000 értelmezés és megvalósítás, Kiadó: IMSYS Vezetési és Tanácsadó Kft. 2001, Anwar Mustafa, Barta Tamás, Tóth Tihámér: Minőségmenedzsment I., Kiadó: Szókratész Külgazd. Akadémia, 2005, dr. Róth András: A minőségfejlesztés új útjai, Kiadó: Dashofer Verlag, 2010, Göndör Vera, Gregász Tibor, Tóth Tímea, Némethné Dr. Erdődi Katalin: Minőségirányítási rendszerek fejlesztése, Kiadó: TÜV Rheinland InterCert, 2002, Kövesi János, Topár József: A minőségmenedzsment alapjai, Typotex Kiadó, 2006