

Course description

Course abbreviation:	KTO/LFM	Page:	1 / 3
Course name:	Quality Control and the Human Factor		
Academic Year:	2023/2024	Printed:	03.06.2024 07:08

Department/Unit /	KTO / LFM			Academic Year	2023/2024
Title	Quality Control and the Human Factor			Type of completion	Exam
Accredited/Credits	Yes, 5 Cred.			Type of completion	Written
Number of hours	Lecture 2 [Hours/Week] Tutorial 2 [Hours/Week]			Course credit prior to	YES
Occ/max	Status A	Status B	Status C	Counted into average	YES
Summer semester	0 / -	0 / -	0 / -	Min. (B+C) students	10
Winter semester	0 / -	25 / -	3 / -	Repeated registration	NO
Timetable	Yes			Semester taught	Winter semester
Language of instruction	Czech			Internship duration	0
Optional course	Yes			Ev. sc. – cred.	S/N
Evaluation scale	1 2 3 4				
No. of hours of on-premise					
Auto acc. of credit	Yes in the case of a previous evaluation 4 nebo nic.				
Periodicity	K				
Substituted course	None				
Preclusive courses	N/A				
Prerequisite courses	N/A				
Informally recommended courses	N/A				
Courses depending on this Course	N/A				

Course objectives:

- Understand crucial role of Human by Quality assurance.

Requirements on student

Credit:
 Abstract
 Making of semester team project, presentation this project.
 Proof
 The examination:
 Test
 Oral exam

Content

- Topics of lectures according to weeks:
1. Quality and it's role in our life
 2. Principles leading to motivation
 3. Motivation and quality
 4. Communication as a motivation factor
 5. Human factors and motivation
 6. Preparing employees for carrying of the quality
 7. Preparing managers for leading the staff to quality
 8. Managers in the process of quality control
 9. Company education in quality
 10. Motivation of the staff to the quality
 11. Practical approach to the motivation process
 12. Identification of the types of employees
 13. Use of psychology in quality control

Fields of study

Guarantors and lecturers

- **Guarantors:** Doc. Ing. Helena Zídková, Ph.D. (100%)
- **Lecturer:** Doc. Ing. Helena Zídková, Ph.D. (100%)
- **Tutorial lecturer:** Ing. Kateřina Bícová, Ph.D. (100%), Doc. Ing. Helena Zídková, Ph.D. (100%)

Literature

- **Basic:** Petříková, R. *Jakost a lidský faktor*. Ostrava, 2008. ISBN 978-80-248-1735-4.
- **Recommended:** Weihrich, Heinz; Koontz, Harold. *Management / Z amerického originálu přeložil Václav Dolanský*. Praha : East Publishing, 1998. ISBN 80-7219-014-8.
- **Recommended:** Waine, Caseio, F. *Managing Human Resources; Productivity, Quality of Work Life*, . 1992.
- **Recommended:** Hagemannová, Gisela. *Motivace*. 1. vyd. Praha : Victoria Publishing, 1995. ISBN 80-85865-13-0.

Time requirements

All forms of study

Activities	Time requirements for activity [h]
Practical training (number of hours)	52
Preparation for comprehensive test (10-40)	20
Team project (50/number of students)	25
Preparation for an examination (30-60)	30
Presentation preparation (report) (1-10)	10
Preparation for formative assessments (2-20)	10
Total:	147

assessment methods

Knowledge - knowledge achieved by taking this course are verified by the following means:

Written exam

Skills - skills achieved by taking this course are verified by the following means:

Project

Skills demonstration during practicum

Competences - competence achieved by taking this course are verified by the following means:

Written exam

prerequisite

Knowledge - students are expected to possess the following knowledge before the course commences to finish it successfully:

- define the position of a person in quality management
- describe the importance of proper staff management
- explain the importance of proper staff management
- explain the relationship between employee performance and motivation

Skills - students are expected to possess the following skills before the course commences to finish it successfully:

- apply theoretical knowledge from human-related quality management - employees

- present idea of TQM

Competences - students are expected to possess the following competences before the course commences to finish it successfully:

N/A

teaching methods

Knowledge - the following training methods are used to achieve the required knowledge:

Interactive lecture

Skills - the following training methods are used to achieve the required skills:

Practicum

Individual study

Students' portfolio

Competences - the following training methods are used to achieve the required competences:

Lecture

learning outcomes

Knowledge - knowledge resulting from the course:

- describe principles leading to motivation
- explain the principles leading to motivation
- explain the need for effective communication
- explain the need to delegate competencies
- to discuss the concept of corporate social responsibility

Skills - skills resulting from the course:

- to select in practice a suitable motivational tool
- to use an appropriate motivational tool in practice
- defend his / her attitude on the basis of addressing the issue of managing and leading people

Competences - competences resulting from the course:

N/A

Course is included in study programmes:

Study Programme	Type of	Form of	Branch	Stage	St. plan v.	Year	Block	Status	R.year	R.
Engineering	Bachelor	Full-time	Automotive Industry Specialist	1	2020	2023	Compulsory courses	A	3	ZS
Engineering	Bachelor	Full-time	Quality Control	1	2020	2023	Compulsory courses	A	3	ZS
Certifikátové programy	Postgraduate Master	Full-time	Quality Control	1	1	2023	Core elective courses	B		ZS
Machining, Additive Technology and Quality Assurance	Postgraduate Master	Full-time	Machining, Additive Technology and Quality Assurance	1	2020	2023	Core elective courses "A"	B	1	ZS
Mechanical Engineering	Bachelor	Combined	Engineering Materials and Manufacturing Technology	1	2020	2023	Povinně volitelné před. 3.roč. - blok "B"	B	3	ZS
Mechanical Engineering	Bachelor	Full-time	Technology of Metal Cutting	1	2020	2023	Core elective courses	B	3	ZS
Mechanical Engineering	Bachelor	Full-time	Industrial Engineering and Management	1	2020	2023	Výběrové předměty	C	3	ZS