

Course description

Course abbreviation:	KTO/SPRK	Page:	1 / 3
Course name:	Seminar project of Quality Control		
Academic Year:	2023/2024	Printed:	03.06.2024 08:18

Department/Unit /	KTO / SPRK			Academic Year	2023/2024
Title	Seminar project of Quality Control			Type of completion	Pre-Exam Credit
Accredited/Credits	Yes, 6 Cred.			Type of completion	Combined
Number of hours	Seminar 6 [Hours/Week]				
Occ/max	Status A	Status B	Status C	Course credit prior to	NO
Summer semester	0 / -	0 / -	0 / -	Counted into average	NO
Winter semester	0 / -	0 / -	0 / -	Min. (B+C) students	5
Timetable	Yes			Repeated registration	NO
Language of instruction	Czech			Semester taught	Winter semester
Optional course	Yes			Internship duration	0
Evaluation scale	S N				
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:

The main aim of the subject is to teach students to process a real technical problem into the technical documentation with regard to external factors which can influence the solution of a problem.

Requirements on student

- regular consultations of the seminar project during the semester
- pass the seminar project
- presentation of the seminar project

Content

- assignment of a seminar project
- analysis of a problem
- proposal of a solution
- analysis of external conditions affecting the solution of the problem
- evaluation and conclusion

Fields of study

Guarantors and lecturers

- **Guarantors:** Doc. Ing. Helena Zídková, Ph.D. (100%)
- **Seminar lecturer:** Ing. Kateřina Bícová, Ph.D. (25%), Doc. Ing. Martin Melichar, Ph.D. (25%), Doc. Ing. Helena Zídková, Ph.D. (50%)

Literature

- **Basic:** Nenadál a kol. *Management kvality pro 21. století*. Praha, 2018.
- **Recommended:** Andersen, B. Fagerhang, T. *Analýza kořenových příčin - Zjednodušené nástroje a metody*. ČSJ Praha, 2011. ISBN 978-80-02-02356-2.
- **Recommended:** Nenadál a kol. *Moderní management jakosti*. Praha, 2011.
- **Recommended:** Laurie Rambaud. *8D Strukturovaný přístup k řešení problému*. ČSJ Praha, 2011. ISBN 978-80-02-02347-0.

Time requirements

All forms of study

Activities	Time requirements for activity [h]
Individual project (40)	40
Practical training (number of hours)	100
Presentation preparation (report) (1-10)	10
Total:	150

assessment methods

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

Combined exam

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

Individual presentation at a seminar

Seminar work

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

Individual presentation at a seminar

Seminar work

prerequisite

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

- Explain the basic requirements of ISO 9001

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

- apply the ISO 9001 requirements in a particular company
- obtain further information by studying system standards for different sectors, such as the automotive industry

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:

Seminar

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

Individual study

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

Individual study

learning outcomes**Knowledge - knowledge resulting from the course:**

- describe the problem solved with the use of contemporary theoretical knowledge

Skills - skills resulting from the course:

- to process the specified technical problem in the form of a technical report
- use acquired theoretical knowledge to solve given technical problems

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	Quality Control	1	2020	2023	Povinné předměty 4. roč.	A	4	ZS