

LSMC42, Methods and Analytical Skills - Quantitative Method, 7.5 credits

*Metod och analytisk färdighet - kvantitativ metod, 7,5
högskolepoäng*
First Cycle / Grundnivå

Details of approval

The syllabus was approved by The Programme Committee for the Bachelor Programme in Logistics Service Management on 2019-09-24 to be valid from 2020-01-01, spring semester 2020.

General Information

The course is included in the Bachelor's programme in Logistics Service Management. It is offered in the fourth semester.

Language of instruction: English
Components in Swedish may occur.

Main field of studies

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Depth of study relative to the degree requirements

G1F, First cycle, has less than 60 credits in first-cycle course/s as entry requirements

Learning outcomes

For a Pass on the course, the students shall be able to

Knowledge and understanding

- demonstrate knowledge and understanding of different fundamental concepts in the theory of science and methodology within the quantitative research tradition.
- show knowledge and understanding of the application areas for different quantitative methods.
- describe quantitative research strategies.
- identify and reformulate a research question.
- chart quantitative fields of research within logistics.

Competence and skills

- demonstrate skills in using quantitative collection methods for gathering empirical data.
- demonstrate skills in formulating and testing hypotheses based on quantitative material.
- demonstrate skills in design of questionnaire surveys.
- demonstrate skills in analysis of quantitative material.

Judgement and approach

- assess and argue for different research strategies and methods based on a research question and a field of research.

Course content

The aim of the course is to create knowledge of the theory of science used as a basis for quantitative research strategies and research questions, and how to chart an area of research. The course covers general quantitative method issues with a focus on theory of science and research design. More specifically, the component covers univariate and bivariate correlation analysis and questionnaire design. The course also includes an introduction to the statistical analysis program SPSS.

Course design

The teaching consists of lectures and practical exercises.

Participation in practical exercises is compulsory, unless special circumstances apply. Compensation or alternative times are offered to the student in cases where circumstances that are no fault of their own, such as an accident or sudden illness, prevent participation in a compulsory component. This also applies to students who have been absent because of elected office duties e.g. as a student representative.

Assessment

The course is assessed through an individual invigilated examination (5 credits) and a group assignment (2.5 credits).

Three opportunities for examination are offered in conjunction with the course: at a first examination, a re-sit close to the first examination and a second re-sit in the same year. At least two further re-examinations on the same course content are offered within a year of the end of the course. After this, further re-examination opportunities are offered, but in accordance with the current course syllabus.

The examiner, in consultation with Disability Support Services, may deviate from the regular form of examination in order to provide a permanently disabled student with a form of examination equivalent to that of a student without a disability.

Subcourses that are part of this course can be found in an appendix at the end of this document.

Grades

Marking scale: Fail, Pass, Pass with distinction.

For a grade of Pass, students must have attained the learning outcomes stated for the course. For a grade of Pass with Distinction, it is also required that the student demonstrates special methodological awareness and analytical ability. For a grade of Pass with Distinction, it is required that both components have been passed and in addition that component 2001 has been passed with distinction.

At the start of the course, students are informed of about the learning outcomes stated in the syllabus and about the grading scale and it is applicatied in the course.

Entry requirements

Admission to the course requires the student to have completed courses worth at least 45 credits from the programme's first year including Introduction to Service Management, LSMA11, 15 credits.

Subcourses in LSMC42, Methods and Analytical Skills - Quantitative Method

Applies from V20

- 2001 Individual Written Exam, 5,0 hp
Grading scale: Fail, Pass, Pass with distinction
- 2002 Project Work, 2,5 hp
Grading scale: Fail, Pass