



GÖTEBORG UNIVERSITY

Faculty Board of Science

MSA660 Statistical Consulting

7.5 higher education credits

Second Cycle

This syllabus is the binding document.

1. Confirmation

The syllabus was confirmed by the Department of Mathematical Sciences on November 15, 2007 to be valid from the same date. Field of education: Science. Responsible department: Mathematical Sciences.

2. Position in the educational system

The course is part of the Master Program in Mathematical Sciences. It is also open for students outside the program who meet the course prerequisites.

3. Entrance qualifications

The prerequisite for the course MSA660 Statistical Consulting is the equivalent of the course MSG500 Linear statistical models.

4. Course content

Students will be exposed to "real life" statistical problems that one can face when working as a statistician. The course will include lectures on statistical consulting as well as on certain statistical methods (related to the projects of a particular year). Consulting problems and/or case studies will be an essential part of the course. Ideally, students will take part in at least one consulting task presented by non-statisticians, who need help with statistics. Students will be required to write reports and make presentations.

5. Learning outcomes

Through this course, students learn to identify statistical problems, discuss them with other statisticians as well as with researchers from other disciplines, and suggest solutions to them. By taking part of some consulting tasks or case studies, students will get some hands-on experience on statistical consulting. After having taken the course, one should be able to

- discuss statistical issues with researchers who are not specialists in statistics

- formulate research problems on other fields in statistical terms
- choose appropriate statistical models and methods to analyze data
- write and present reports.

6. Required reading

List of required reading will be given in a separate list.

7. Assessment

Home assignments, presentations, active participation in group discussions.

8. Grading scale

The grades are Fail (U) and Pass (G).

Students who are contractually entitled to ECTS grades should inform the examiner about this no later than one week after the start of the course.

Students without such entitlement will not be awarded ECTS grades. Grades will be converted into ECTS terminology according to a standard model approved by the University President.

9. Course evaluation

Oral and/or written course evaluation will be performed. The results of the evaluation will be communicated to the students and will serve as a guide for the development of the course.

10. Additional information

The language of instruction is English unless all involved are Swedish speakers.