LUND UNIVERSITY
Faculty of Science

Centre for Mathematical Sciences
Division of Mathematics and Numerical Analysis

Course Analysis for MATC20 Image Analysis, Autumn 2025

Course Information

Lecturer: Magnus Oskarsson

Teaching assistants: Anna Gummeson, Oskar Åström, Gustav Hanning, Anders Heyden, Amanda Nilsson, Erik Tegler, Filip Winzell

Number of students:
5 newly registered and 2 re-registered.
40 students answered the course evaluation (CEQ) which is joint with FMAN20 at LTH.

Examination

Assignments: 6 students passed.
Take-home Examination: 2 students passed.
Oral examination: 2 students passed.

Final grades:
In all, 6 students, including 2 re-registered students, have got their final grade.
1 passed with distinction.
5 passed.

Course Evaluation

Teachers' comments:
The main parts of the course are the lectures and the home assignments. To pass the course, each student needs to complete the four home assignments, one every second week. Two to three lectures each week covers the material needed for the course. In addition there are exercise sessions each week where the students can work on the assignments and get help and feedback. In the end of the course, students have the option to do a home exam and an oral exam, for higher grade than passing. There is an extensive battery of scaffolding material available to the students on the Canvas page, including lecture notes, videos and programming examples.

The course works quite well. There are a number of (difficult to solve) general problems, i) The course is an overview course that covers a large set of different topics and methods, and it can be quite hard for the students to get a good grasp and overview of the whole course, ii) The background of the students vary a lot, with very different competences in programming and mathematics knowledge, and iii) the course has many participants and it is difficult to grade all assignments quickly.

We try to address these questions in the course as best as we can.

Changes from the previous course realisation:
The transition from Matlab to Python was further developed for this realization, with more support and code for the assigments given in Python. This seems to work quite well, and most students now seem to use Python.

Suggestions for the next course realisation:
We will continue to develop the assignments and try to streamline them both so that they are easily graded and make the assessment as equal possible when there are multiple teachers grading one assignment.

Report Course Evaluation, FMAN20

Basic facts

Course name	**Image Analysis**
Course code	FMAN20 Course syllabus
ECTS credits	7.5
Year	202526
Study period the course was finished	HT_LP1
Programme	all
Registrated students	147
Number and share of passed students	138 / 94 %
Number answers and response rate	40 / 27 %
Number answers from males	16
Number answers from females	16

Study hours according the curricula

Lectures	32 h
Group work	0 h
Laboratories	0 h
Time with supervisor	2 h
Self study time	166 h

Summary of questionnaires

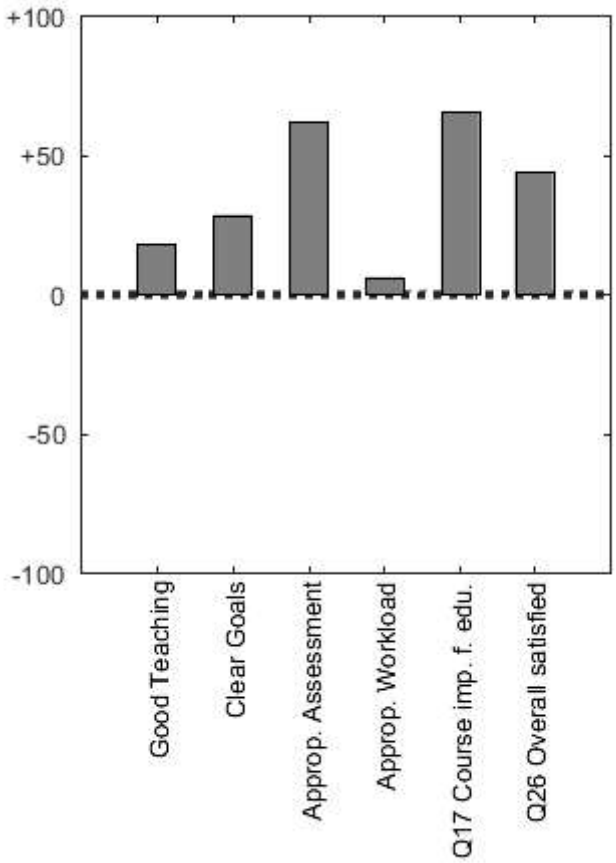
The CEQ-score span between -100 och +100, there -100 means that "I fully disagree to the statement" and +100 "I fully agree to the statement".

Presence at teaching

Part of teaching	Number	Share
0-30 %	2	5 %
30-70 %	14	35 %
70-100 %	23	58 %

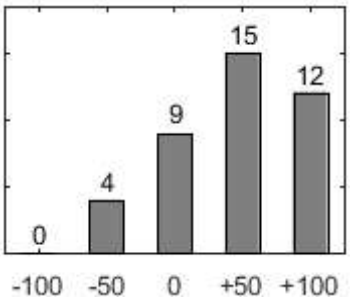
Scales and questions

Scale	**Score**	**StdDev**
Good Teaching	+18	50
Clear Goals and Standards	+28	52
Appropriate Assessment	+62	38
Appropriate Workload	+6	57
Special questions		
The course seems important for my education	+65	48
Overall, I am satisfied with this course	+44	48



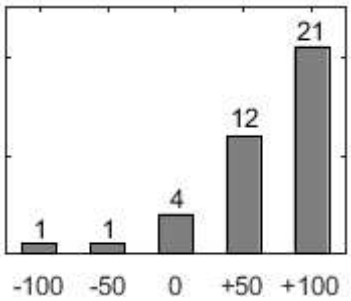
Distribution of the answers from question 26: "Overall, I am satisfied with this course"

Distribution of the answers from question 17: "The course seems important for my education"



	Number	Share
Dissatisfied (<0)	4	10 %
Neutral (0)	9	23 %
Satisfied (>0)	27	68 %
No answer	0	0 %

Mean of CEQ-score		+44
Standard deviation (StdDev)		48
	Males	+47
	Females	+34



Mean of CEQ-score	+65
Standard deviation (StdDev)	48

Comments

Comments by the student course representative

Comments have not been submitted before the deadline

Comments by the course leader

Comments have not been submitted before the deadline

How the questionnaires were filled in

By web forms.