

## Tolkning av vetenskaplig information, 2 poäng, GEM035F

Reading Skills and the Discourse of the Research Article

*Examinator:*

Universitetslektor Margaret Newman-Nowicka, Centrum för Teknolotion,  
margaret.newman-nowicka@technolotion.lth.se

*Språk:*

Kursen ges på engelska.

*Behörighet:*

Antagen till forskarutbildning vid LTH.

*Urval vid eventuell platsbegränsning:*

I urvalet prioriteras 1) de som tidigare sökt och vid det tillfället också varit behöriga till kursen, 2) hur långt doktoranden har kommit i sin forskarutbildning, där de ges företräde som antagits senast.

*Antagningsförfarande:*

Kursen annonseras på LTH:s hemsida samt i utskick till institutionerna. Ansökan skall göras på särskild blankett som finns på LTH:s hemsida, där handledare har intygat att kursen ingår i doktorandens forskarutbildning. Styrelsen för LTH fattar beslut om antagning. LTH:s kansli informerar snarast möjligt de som sökt.

*Mål:*

This course is intended to help students improve their ability to:

- locate:
- understand:
- interpret:

information in technical research articles (RAs).

These skills are in turn intended to help student *read selectively* from the vast technical literature now available. Selective reading entails *reading to discover as quickly as possible*:

- which articles are most relevant to one's research
- where in those articles readers will tend to find the information most relevant to that research
- which articles should be left unread, perused briefly, read completely or studied carefully

*Innehåll:*

Discourse analysis is used as a theoretical basis for discovering the communicative purposes behind vocabulary choices and organizational conventions in each of the sections of a typical research article. In the lecture/discussion classes, students learn techniques in reading and analyzing research articles in science and engineering in general. They then use these skills in the small-group workshops to analyze RAs in their specific fields.

The course format is lecture/discussion classes followed by small-group workshops.

Lectures:

- The discourse of technical communication in general and of the RA in particular
- The moves of the Abstract
- The Journal Impact Factor and Science Citation Index: Its uses and misuses

- Paragraphing conventions
- Varieties of discourse traditions / communication channels in academic research communities
- Communicative context and the discourse of methods descriptions
- The discourse of presenting and discussing results

During lectures students immediately apply their new tools of analysis to the relevant sections of sample RAs.

Workshops:

- Discipline-specific groups of 2-to-4 students.
- In these small groups, students analyze sections of RAs which they have chosen because they are of interest for their research.

*Examination:*

In order to pass the course the student must attend 80 % of all scheduled lectures.

The student must

- prepare for in-class discussion of the discourse of sample RAs chosen by the instructor.
- locate and analyze two abstracts from two journals in their fields and be ready to discuss their analysis in the relevant workshop.
- locate and analyze each of the sections of a sample RA from a journal in their fields and be ready to discuss their analysis in the relevant workshop.
- be ready to lead a 30-minute discussion about the discourse of one of the sections of their sample RA.

In certain circumstances, the examiner can allow the student to fulfill the requirements differently

*Kurslitteratur:*

Utdelat material.