What makes good science?

Information literacy seminars as a means to stimulate reflection among PhD students

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The PhD student & the meeting with science
The PhD student & the challenge of balancing

THE GOOD SCIENTIST

THE GOOD ACADEMIC
The PhD student & the library
Outline

“Take Control” in brief, ideas and reactions, the library’s role revisited, the road ahead
Existing course offer

Includes research ethics, science communication and scientific writing and publishing. The courses tend to focus on how to do things in a specific subject.
Take Control of your PhD journey
From (p)reflection to publishing

Academic Integrity – Literature search – Reference management –
Open access publishing – Research data management
Extending the scope of information literacy

Academic values, prerequisite for becoming information literate (Løkse et al., in preparation)
Extending the scope of information literacy

**Academic integrity**, commitment to the values of honesty, trust, fairness, respect, responsibility, and the courage to act upon these (ICAI, 2014)

**Open science**, ingredient and result of good academic practice
Dialogue is central in our courses to stimulate learning and reflection
The study

Feedback during seminars
– course evaluations – own reflections
- pre-surveys – post-surveys
Academic integrity as a gateway to correct treatment of information

Finding our own voice by thinking learning

We become information literate in a social, physical and textual context
The transformation from novice to expert occurs via interaction with our scientific and general community

(Lloyd, 2007)
Why do a PhD?

I can go in depth into a topic that interests me
I love science
“As a PhD student, I find it hard to balance the pressure to do good research and the pressure to publish quickly”
The focus of your supervisor?

The contribution of my research to academia
The contribution of my research to society in general
Academic integrity as a gateway to open science

Transparency is a key element in research integrity and trust. The model frameworks supporting open science practice may be viewed as transparency tools.

(Lyon, 2016)
Attitudes towards prestige/being a good academic

How does impact factor affect the choice of publisher?
Assumed relevancy to others and decision on sharing data

I would share because you never know which data people might find relevant in the future.
I would share because I know of people who would be interested in my data.
Do we meet their needs?

1. Research resource discovery  2. Evaluating information  3. Using the web effectively  
(Madden, 2014)
Course evaluations

**Academic integrity**
A meta view on the PhD and research in general is valuable at this stage in my PhD.

**Open access publishing**
Thanks for teaching this course, it comes in a very right moment for me.

**Open research data**
Why don't the professors know about this?!
The road from here

#1

Obtain representative feedback

- Invite all PhD students at UiT to respond to surveys
- Identify different views at early and final stage
The road from here

#2
Reach more PhD students

- Integrate our seminars in the course offer at other faculties
- Give ECTS credits
The road from here

#3
Co-operate with other course developers

- Contribute with our expertise when appropriate
- Be included in the planning at an early stage
Thank you for your attention!*  

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To read about Take Control  
uit.no/ub  

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