Interactive Learning and Discovery of Information Literacy Skills using Web 2.0 Features

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Outline

1. Introduction to the TU Delft Library
2. Information Literacy at the TU Delft Library
3. Project TULib
4. Demonstration
5. Future development
Library TU Delft

- 4400 employees
- 14,000 students
- 730,000 books (10,000 e-books)
- 13,000 journals (10,000 e-journals)
- 27,000 reference manuals (522 electronic)
Information Literacy at the TU Delft Library

• In Class:
  • For students:
    • Library instruction for first year students
    • Information Literacy Skills for Bachelor and Master students
  • For PhD students and other academic staff:
    • Introduction to library resources and services for researchers
    • Advanced searching for researchers
    • Special Topics
    • Introduction to EndNote

• Online: DelftSpecial
Welcome to the DelftSpecial Instruction site

What is DelftSpecial Instruction?

DelftSpecial instruction is an instruction programme from the Delft TU Library.

It will teach you:

- How to set up a literature search.
- Which sources of information are best to use.
- Different search methods to find information.
- How to evaluate the retrieved information.
- Where and how to obtain the information.
- How to manage the literature references.
- How to maintain your subject knowledge in your discipline.

Who can use DelftSpecial instruction?

DelftSpecial instruction is intended for students and staff members of the Delft TU and for other library users.

When should DelftSpecial instruction be used?

DelftSpecial instruction can be used in study projects but also can be browsed partly or completely as a stand-alone course.

Click here for an overview of the DelftSpecial Instruction website.
Webanalytics DelftSpecial

Average: around 1700 page loads per month
DelftSpecial - instruction

• Usability test in 2003:
  • Strict hierarchy
  • Too much text, not enough interaction
  • Difficult to navigate
  • Essential, practical information versus interesting background information

• High maintenance costs
• Website not up-to-data
Input for the new online instruction tool

• The ‘old’ DelftSpecial Site

• The usability study of DelftSpecial

• Own study (literature + tool testing)

• Results of the online survey
Results online survey

• Most people wanted more information on:
  • search plan
  • search operators
  • Endnote
• 71% wanted exercises/tests
• Preference for:
  • Instruction-Clickable (24%)
  • Interactive tutorial (18%)
  • Text with images (21%)
  • Online presentation, flash, PowerPoint (14%)
Time for something new....

Fun Interactive Minimum text Easy to navigate
Intuitive Not a substitute for in-class courses Existing tools and techniques
English No hierarchy Easy to maintain Hands-on
Features of TUlib

• Navigation using tag cloud
• Modular design
• 2 levels of information
  • Getting started
  • Learn more about…
• Flash movies provide exercises and simulations
• Teachers’ corner
• Assessments (tailor made)
• External links using del.icio.us
Demonstration

http://www.library.tudelft.nl

http://tulib.library.tudelft.nl

Latest news

- no title / geen titel - 11 April 2008
- Introduction to library resources and services for researchers - 15 April - 02 April 2008
- Mathematics Question Counter for Bachelor's students - 26 March 2008

SEARCH

- Catalogue
- Subjects in the catalogue
- Databases
- Electronic books (e-books)
- Electronic journals
- Electronic reference works
- Virtual Knowledge Centres
- TU Delft publications
- TU Delft patents
- Search engines
- Information by subject

SERVICES

- Extending loan period
- Price list
- Requests from collection
- Courses
- Interlibrary loan
- TU Delft Repository
- Specialist databases
- Map Room
- Literature search
- Accountmanagement
- Acquisition suggestions
- Customer service
- Trésor

NEWS AND EVENTS

- Library letter
- Delft up-to-date
- Press releases

PRACTICAL INFORMATION

- Opening hours
- Closing dates
- Locations
The Homepage of TULib
Graphical, dynamic search interface

- New product of Collexis
- Tag cloud based on a thesaurus
- Developed together, tested together
- External hosting, no new product
Tag Cloud

• Initial tag cloud based on thesaurus

• After searching a tag cloud based on the collection is displayed.
Testing the Tag cloud search

20 respondents (students and teachers)

- 70% Tag Cloud is useful
- 65% liked using the Tag Cloud (fun)
- 85% found what they were looking for
External links in del.icio.us:

- analysis
- citation
- evaluate
- highly_cited
- impact
- journal
- open_access
- peer_review
- relevance
- scholarly
- web_pages

How do you judge relevance and reliability?

Search results in the TU Delft Library catalogue

What can a catalogue record tell you?
Peer-Reviewed Open Access Journals

Journal Category | Journal Title | DOAJ www.doaj.org | Bluedirect www.bluedirect.org
---|---|---|---
Acoustics | Acoustics Research Letters Online | http://ojps.alp.org/AARO/ | |
Agriculture | Electronic Journal of Polish Agricultural Universities | http://www.ujpa.u.edu.pl/ | |
Allergy and Immunology | BMC Immunology | www.biomedcentral.com/bmcimmunol/ | |
Allergy and Immunology | BMC Immunology | www.biomedcentral.com/bmcimmunol/ | |
Allergy and Immunology | Journal of Immune Based Therapies and Vaccines | http://www.jibterapies.com/ | www.jibtherapies.com/home/
Allergy and Immunology | Medical Immunology | http://www.medimmunol.com/ | www.medimmunol.com/home/
Animal Sciences | Avian Diseases | http://audri.allenpress.com/audvonline/?request=get-current-issue | |
Animal Sciences | Israel Journal of Veterinary Medicine | http://www.isrvma.org/journal.htm | |
Social bookmarking using Del.icio.us

- Easy to maintain
- Everybody can suggest bookmarks
Creating a tagroll

Tagrolls
» Tagrolls are a way for you to display your del.icio.us tags as part of your website.

Display Options

Preview

» my del.icio.us tags
analysis  citation  evaluate  highly_cited  impac  journal  open_access
peer_review
relevance scholarly_web_pages

» I am tulib_evaluate on del.icio.us
+ Add me to your network

Copy and paste this code into your hypertext:

```
<script type="text/javascript" src="http://del.icio.us/feeds/js/tag?u=tulib_evaluate&amp;iconsize=12-30&amp;random=87ceeb-0000ff&amp;title=my%20del.icio.us%20tags;name;showadd"></script>
>`

» Use TypePad? add this tagroll to your TypePad blog

TU Delft
Assessment

Assessment is a key function of online tutorials

- Assessment Flash movies
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<th>Annex 16 to the convention on International Civil Aviation</th>
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<td><strong>ISBN</strong></td>
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<td>(International standards) (ICAO Annex 16)</td>
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Assessment

Assessment is a key function of online tutorials

- Assessment Flash movies
- Assessment using Etude
• Assessment questions for all TUlib modules

• Tests can be assembled on demand, using questions from one or more modules.
Modular design

Easy to add, remove, adapt modules: entire website is not affected
Information at two levels

TU Delft

TUlib > Making a Search Plan

Getting started  Learn more...

Making a search plan: defining your topic

Find your own topic to research

If you have to find your own topic to research, the search plan starts with a general orientation into the subject you are interested in.

How to get started finding information for a thesis or paper

If you need to determine your own specific topic, Internet sources like Wikipedia or Google are a good starting point for collecting general information and search terms.

For example: if you are going to write a Master's Thesis about something to do with the recycling of circuit boards, how do you start?

Let's build a concept map:

Step 1.
Is the subject of your Master thesis focused mainly on electronic waste (1) or recycling of materials (2)?

Step 2.
If your subject falls within the first topic, are you concerned of environmental pollution issues (1a) or energy issues (1b)?

Or if it falls within the second topic, are you interested in recovering raw materials (2a) or the impact of the circuit design on the recycling process and energy (2b)?

Step 3.
Suppose you have chosen environmental pollution issues (1a); are you searching the topic - insert details of the materials or the degradation time span of the materials?

You can further refine your topic as much as you want. The result is a map of concepts developed directly from your general subject.
Teachers' Corner

TU Lib > Teachers' Corner

Teachers' Corner

The TU Lib Teachers' Corner provides TU Delft teaching staff with practical information on using library resources in their courses.

In the first module you find instructions on how to create direct links to electronic resources in Blackboard courses.

Library Instructions and Courses

TU Delft Library provides several (custom) instructions and courses for students and scientific staff of TU Delft as well as for organizations and companies. Please refer to the courses section of the library website for more information.

Etude

For all TU lib modules assessment questions have been created in Etude. Tests can be assembled on demand, using questions from one or more modules.

For more information, contact library@tudelft.nl.
User participation

- Online Survey during first stage of project
- Test Concept design (students and teachers)
- Online testing of the tag cloud
- Feedback from users during product presentations
- Prize contest to come up with a name
Prize contest
The future of Tulib

• Develop more modules:
  • Copyright, Open Access, Impact Factor, Catalogue, Patents, Social bookmarking…
  • Not: How to search in specific systems

• Record a video of a lecture Information Literacy

• Can the Tag Cloud Search completely replace the traditional menu?

• Improve thesaurus based on user behaviour
Gaming and Information Literacy
Thank you for your attention
http://tulib.library.tudelft.nl

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http://www.linkedin.com/in/tettema
The homepage of TUlib