

Teaching Toolbox

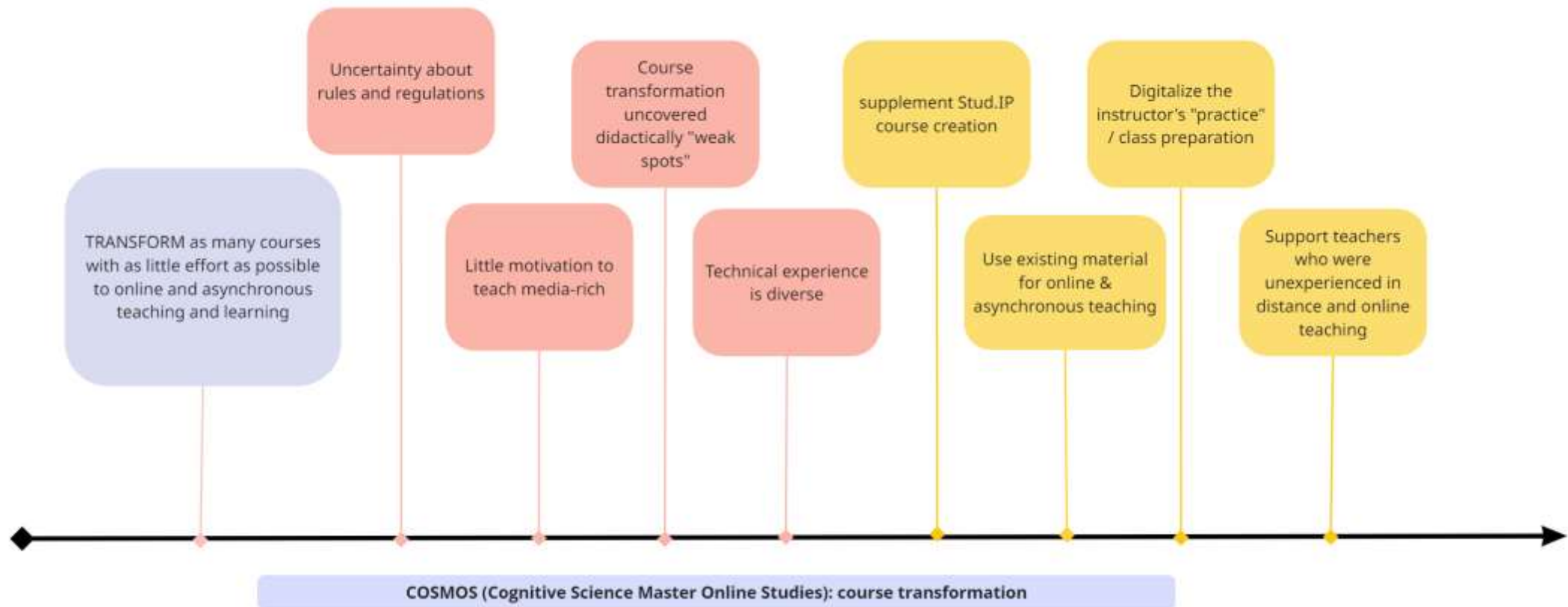
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Content

1. Background
2. 5 principles for effective media-supported teaching and learning
3. How it evolved
4. Developing open source software
5. Toolbox Demo
6. Feedback

It started with course transformation

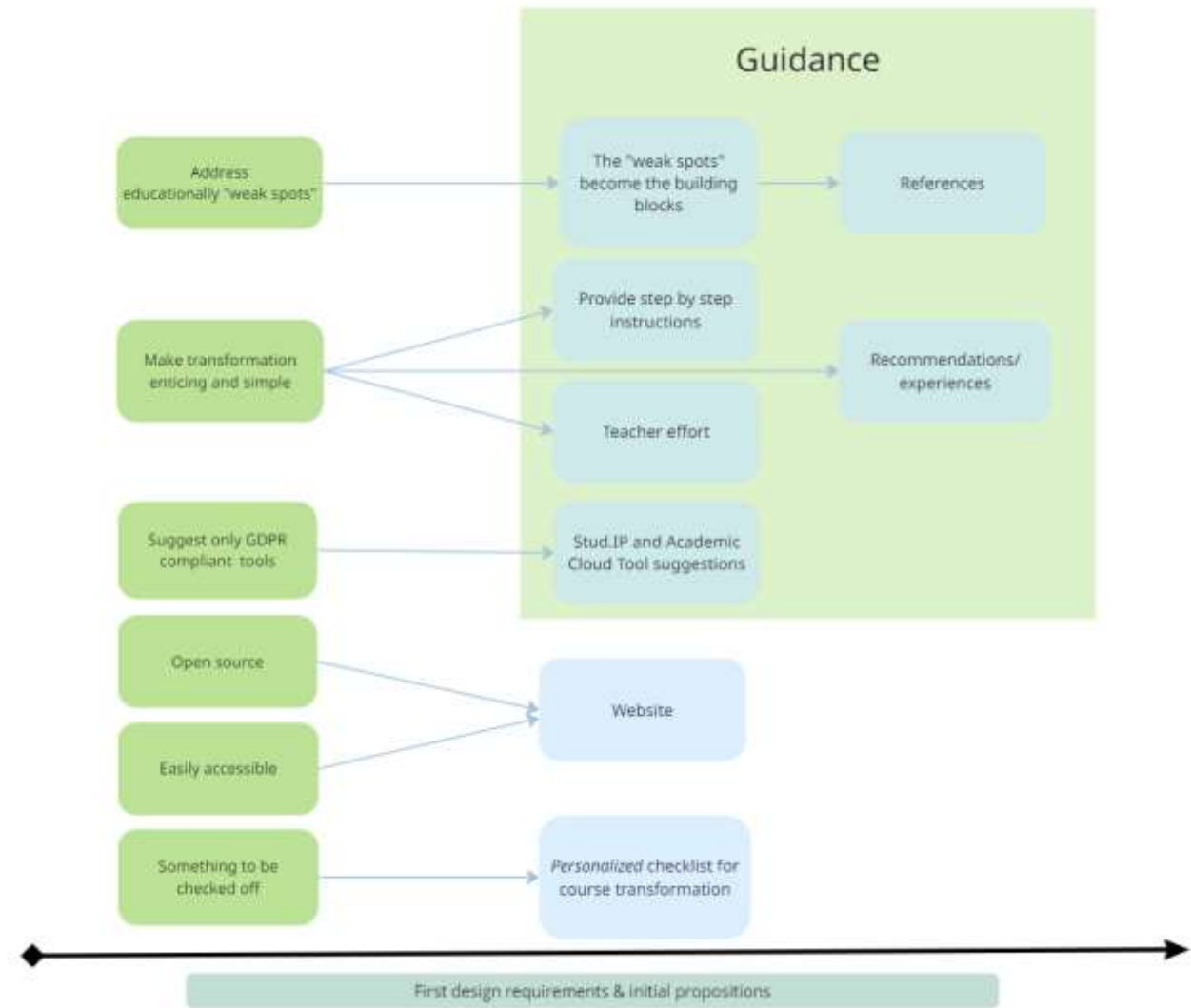


5 Support principles for media-rich teaching and learning

1. Digital, free and easily accessible
2. Simple to use, providing clear guidance for digital beginners
3. Offer professional yet discreet third person point of view on current teaching practices.
4. Clearly relevant
5. Make transformation enticing and simple

First design propositions for the Toolbox

to help instructors digitalize their courses on their own



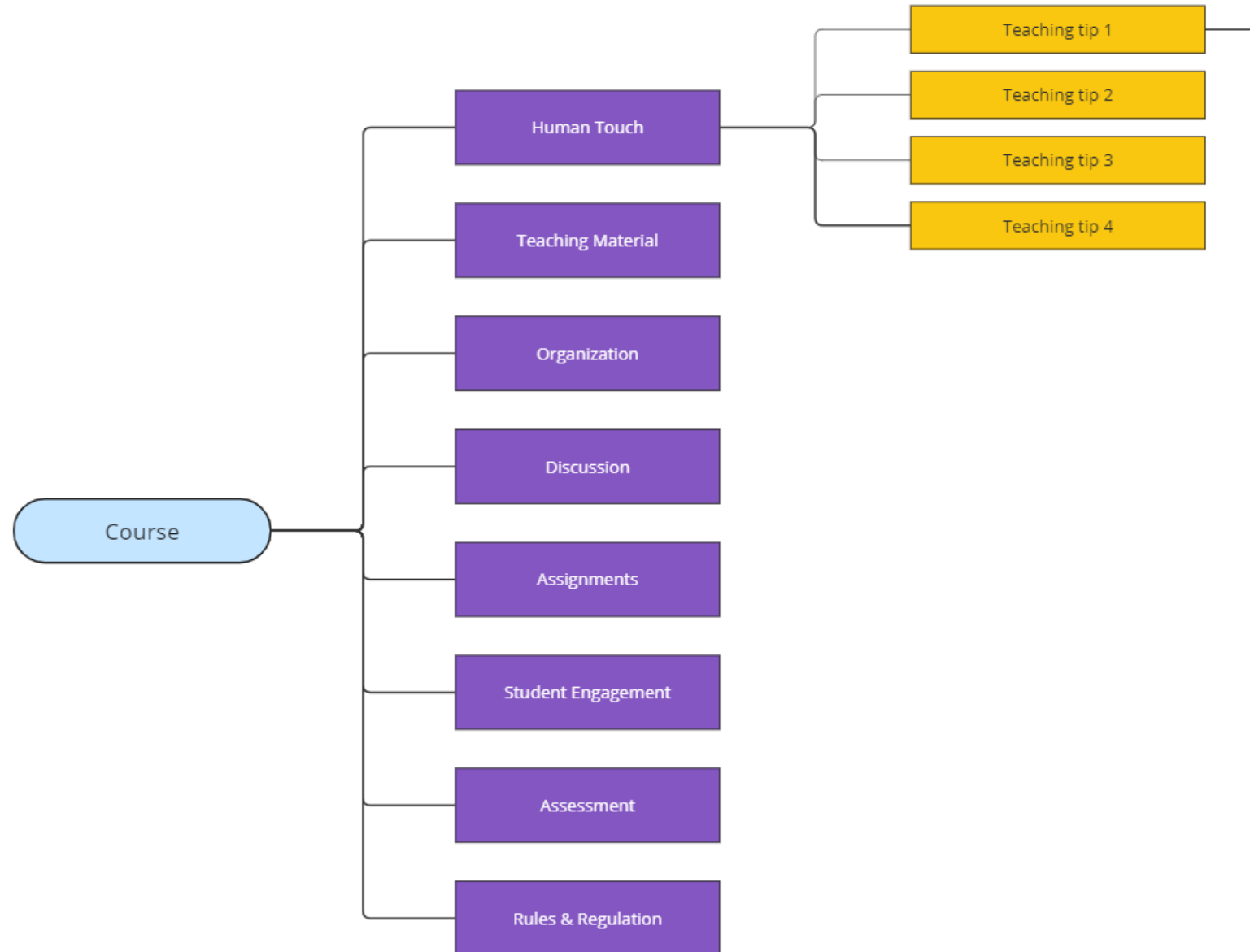
How it evolved...

Architecture of the website

1. Create content architecture (building blocks as basis)
2. Create website content (writing website copy, teaching tips)
3. Develop an open source website
4. Take into account usability and user experience

Building blocks – the „weak spots“

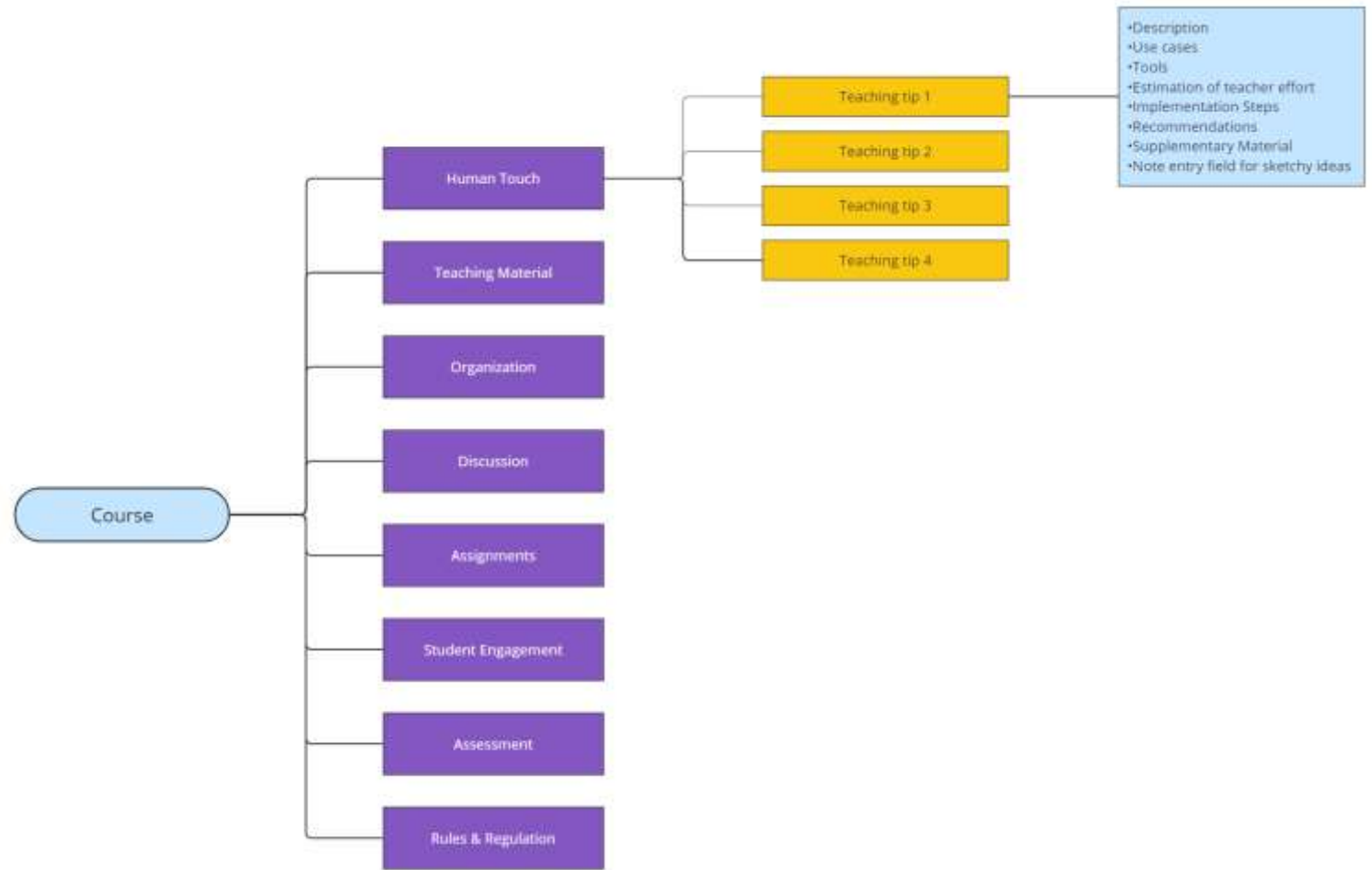
- What is it?
- Why does it matter?



Teaching tips

Concrete suggestions:

- Description
- Use cases
- Tools
- Estimation of teacher effort
- Implementation Steps
- Recommendations
- Supplementary Material
- Note entry field for sketchy ideas



How can we make sure that media-rich teaching and learning materials are of high quality in HE?

5 principles

5 Support principles for developing media-rich teaching and learning materials

Support should be

1. Digital, free and easily accessible
2. Simple to use, providing clear guidance for digital beginners
3. Offer professional yet discreet third person point of view on current teaching practices.
4. Clearly relevant
5. Make transformation enticing and simple

Proposition

1. Open source website using existing log-in credentials
2. Every teaching tip should address a didactical building block
3. All teaching tip information is divided into digestible chunks of educational advice that aids reflection on one's own teaching practice
4. Details on use cases, tools, teacher effort, implementation steps, recommendations, references
5. User-friendly interface, only GDPR-compliant tool suggestions that integrate well in Stud.IP courses (local LMS), testimonials from other instructors, effort indication

First drafts

The image displays three design drafts for an 'Online Teaching Tool Box' interface, annotated with sticky notes and arrows.

Step 2. Allgemeine Info. top level: This draft shows the main landing page. It includes a header 'Online Teaching Tool Box' and a section 'How can the tool box help me?' with two columns of text. Below this is a 'Use the tool box for' section with a play button icon and a tree diagram. A sticky note says 'Use the image of the tree diagram as the building blocks icon on the landing page (we need an image anyway!)'. Other sticky notes include 'Teaching tool to improve your class', 'We don't need the button anymore because we will use the tab navigation', and 'We are happy to see the course to...'. A 'Feedback' button is also visible.

Course revision mode: building block info - organizational information: This draft shows a sub-page for 'Course revision mode'. It features a header 'Online ideas Online Teaching Tool Box' and a sub-header 'Course revision mode'. The main content area is titled 'Organizational Information' and 'Online course building block'. It contains a list of items and a grid of five cards. A sticky note says 'Use the building block icon as the course building block icon'. A 'Feedback' button is at the bottom.

Online Teaching Tool Box (Filtering): This draft shows a filtering interface. It has a header 'Online Teaching Tool Box' and a section 'Select the basic properties of your course to filter teaching and tool suggestions'. Below this is a form with 'Course type' and 'Learning scenario' options. A sticky note says 'Use the building block icon as the course building block icon'. A 'Feedback' button is at the bottom.

Tool Box Building Blocks in Online Courses: This draft shows a detailed view of a 'Building Block'. It has a header 'Tool Box Building Blocks in Online Courses' and a sub-header 'Halfway Chatter & Human Touch'. The main content area is titled 'Put for student engagement' and contains a list of items. A sticky note says 'Students often do teacher effort'. A 'Feedback' button is at the bottom.

We

Website

Only GDPR-compliant tools

Didactical "problem areas"

Supplement Stud.IP course creation

Guide

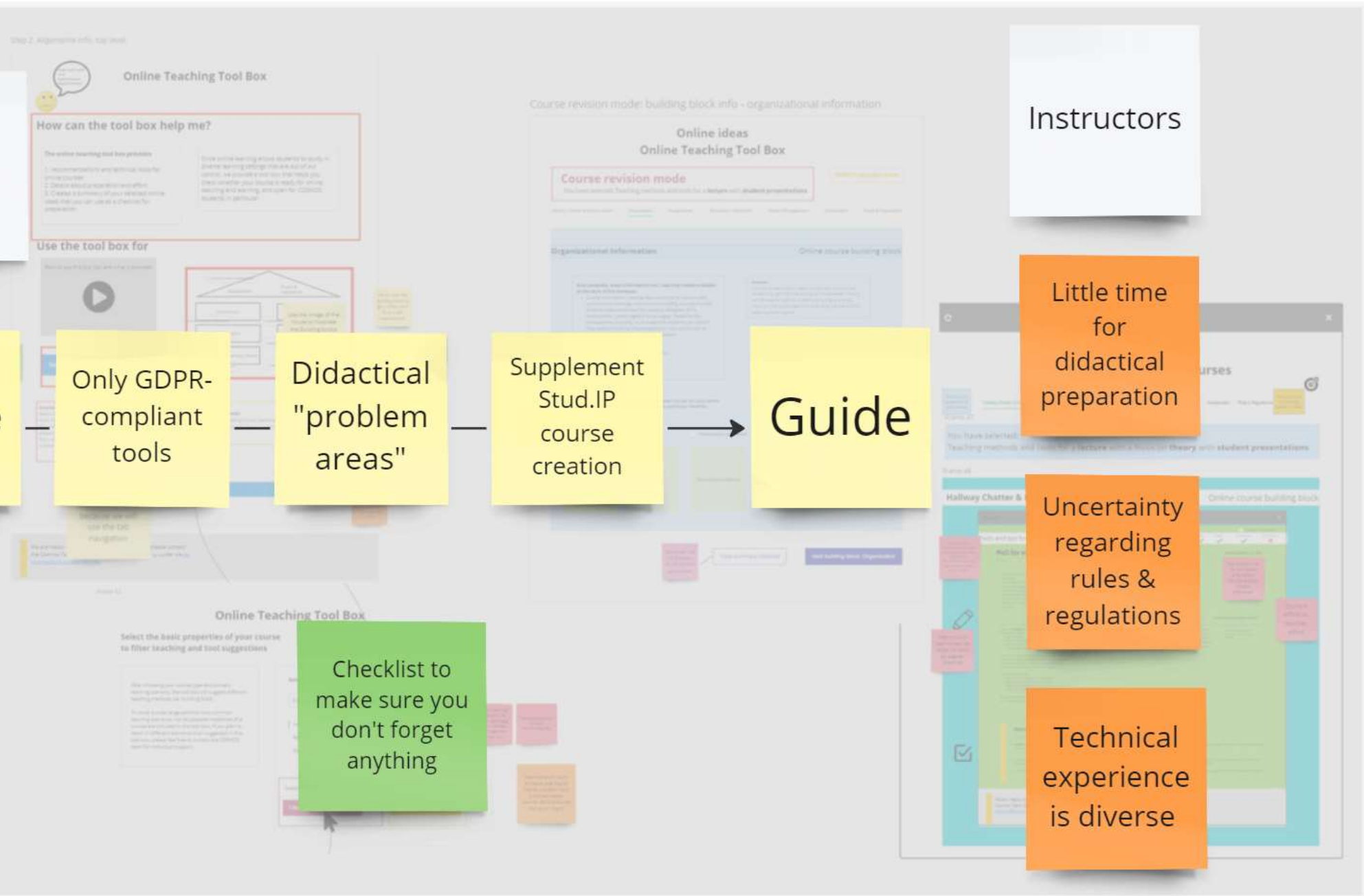
Checklist to make sure you don't forget anything

Instructors

Little time for didactical preparation

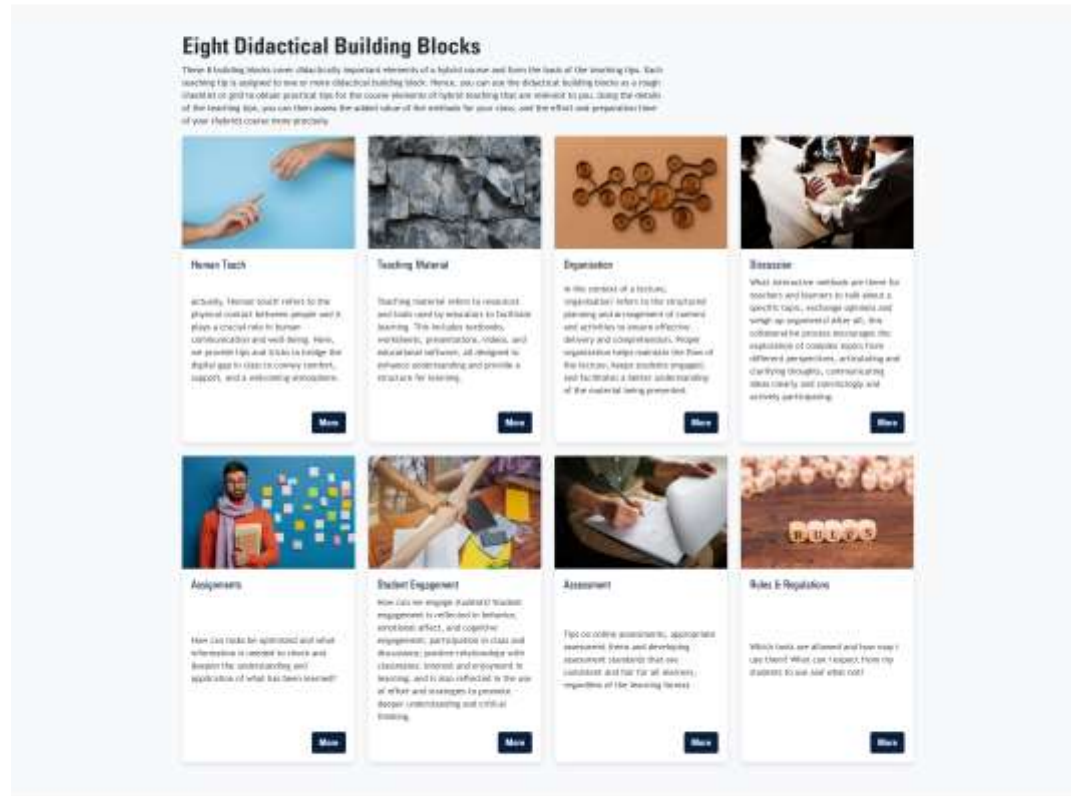
Uncertainty regarding rules & regulations

Technical experience is diverse



Landing page

- Didactical building blocks



How to Use Our Website



Checklist

Indicates which building blocks have been accounted for

The screenshot shows the 'Toolbox' website interface. At the top, there is a navigation bar with the 'Toolbox' logo and the tagline 'Your Courses, Simply Digital.' The main navigation menu includes: Human Touch, Teaching Material, Organization, Discussion, Assignments, Student Engagement, Assessment, and Rules & Regulations. The 'Human Touch' section is active.

On the left side, there is a sidebar for 'My course plans' with a search bar and an 'Add new course' button. Below this, two courses are listed: 'Course 2' and 'Course 1'. 'Course 2' is selected and shows a checklist of building blocks: Human Touch, Teaching Material, Organization, Discussion (checked), Forum Moderation, Assignments, Student Engagement, Assessment (checked), Grading Rubric, and Rules & Regulations. A 'View details' button is located below the checklist.

The main content area for 'Human Touch' includes:

- What is Human Touch?**: A definition stating that a course has a human touch when students see each other as real persons online, e.g. by discussing.
 - topics that intrigue you
 - extracurricular activities
 - social engagement in the study program
 - ideas for courses or study projects
 - personal or unique aspects about oneself that help others to perceive your character.
- Why Does it Matter?**: A paragraph explaining that learning and teaching are more valuable, effective, and worthwhile when we interact with others. It notes that being in touch with others can prevent students from dropping a course and keeps their interest in the topic, particularly online.
- Further information: How much Human Touch should I maintain?**: A dropdown menu.
- Teaching Tips**: A section with four yellow boxes: 'Public learning log', 'Hall of Fame', 'Anecdotes and Stories', and 'Introduction video'. Each box has a 'Show more' button.

At the bottom right of the main content area, there are two buttons: 'View checklist' and 'Next building block: Teaching Material'.

Teaching Tips

- Description
- Use cases
- Tools
- Estimation of teacher effort
- Implementation Steps
- Recommendations
- Supplementary Material
- Note entry field for sketchy ideas

Toolbox
Your Courses. Simply Digital.

Human Touch | Teaching Material | Organization | Discussion | Assignments | Student Engagement | Assessment | Rules & Regulations

Public learning log

Description

A public learning log is a weekly open journal entry about how students learn, i.e. what strategies they use, when they study, what works, what doesn't etc. This supports meta cognition and reflection skills about their learning strategies and will naturally keep them engaged with the content. Learning logs can help to build a meaningful learning community in the course.

Use cases

- Suitable in courses which are structured by assignments.
- Reduce the assignment workload to substitute it with learning log tasks.
- The public learning log is especially useful for building a community and creating human touch, because it also works in asynchronous learning.
- Further, you can profit from the fact that students can give feedback to each other and learn from one another. You can pick some representative cases that you give feedback on.

Note

Please describe your teaching idea in a few words for your online course checklist.

All notes | Save

Tools

Teacher Effort

Implementation Steps

Recommendations

Supplementary Material

References

The Rules: Open Source License

GNU AFFERO GENERAL PUBLIC LICENSE

Contribute and
make your
changes available
to the community

Permissions

- Commercial use
- Modification
- Distribution
- Patent use
- Private use

Permissions

- State changes
- Disclose source
- Same license

How you can contribute: Software

Basic Requirements:

- Python
- Django
- SQL Data base

Contribute (GitHub):

- `git clone https://github.com/yesidc/toolbox.git`

How you can contribute: Content

We propose some steps, but you can adjust the Building Blocks and add or remove Teaching Tips

1. Modify or create new content (e.g., Building Blocks, Teaching Tips)
2. Update the JSON5 file representations of the Building Blocks or Teaching Tips
3. Integrate these changes into the Django Application.

Let's have a look

<https://teaching-toolbox.uni-osnabrueck.de/>

Feedback



[Image by freepik](#)

On the plus side:

- ✓ Come to explore new ideas
- ✓ Use the Toolbox Checklist to double check
- ✓ Use the Toolbox to share ideas with their tutors
- ✓ Details of Teaching Tips are a vital collection of information for course preparation
- ✓ Teaching Tipps are well suited for hybrid scenarios

On the downside:

- Don't want to sign in
- Don't use the toolbox as a workspace
- Are confused by the possibility of creating several checklists
- Germans want german material

References

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Thank you very much!

Questions?