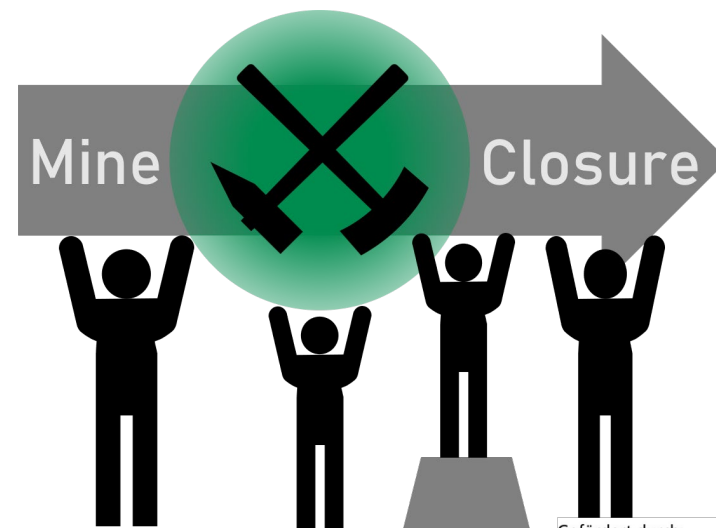




I+MC: Development and implementation of a modern mine closure course

A. Hutwalker, **A. Binder**, O. Langefeld

Windhoek, 12.09.2022



Gefördert durch:



Niedersächsisches Ministerium
für Wissenschaft und Kultur



Our mission for Mine Closure



Development of a Mine closure course for

3 hpw / 3 CP
(28+62)h workload

Master Mining Eng.
4th (& 2nd) semester

Summer term 2022



- Globally heterogenous legal situation
- Case-driven developments
- Highly influenced by project characteristics

- **Skill-oriented** course
- **Case-based** teaching and learning activities and assessment
- **Blended** learning for focus on **interactivity**



Methodology of course development

1. Formulation of an Overall Intended Learning Outcome

After taking the course “Mine Closure”, the student is able to plan a mine closure process on an advanced conceptual level by

identifying the influencing factors for a given case
and

deducing and assessing relative risks for the
whole process.

and also to plan a communication strategy on the closure plan for a specific target group by

performing a stakeholder assessment and

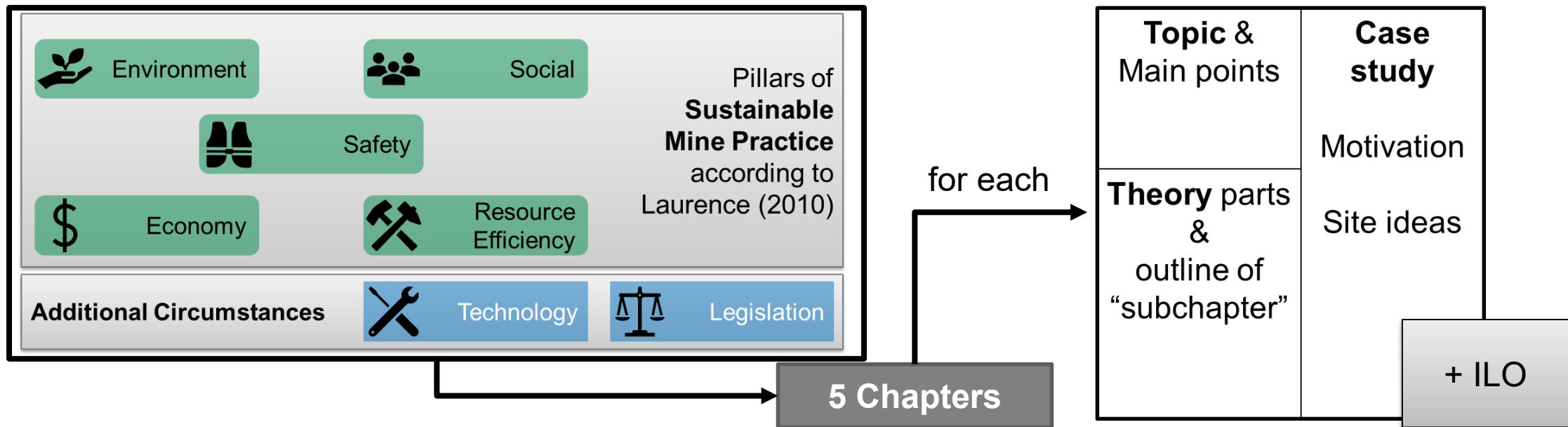
analyzing and incorporating its results.

The outcomes enable the learner to integrate closure aspects in mine planning of all stages and in various environments aiming for a sustainable mine practice.

Methodology of course development

1. Formulation of an Overall Intended Learning Outcome (ILO)

2. Set topics, define sub-ILOs, workout outlines and cases





Methodology of course development

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2. Set topics, define sub-ILOs, workout outlines and cases
- 3. Design a format & materials**

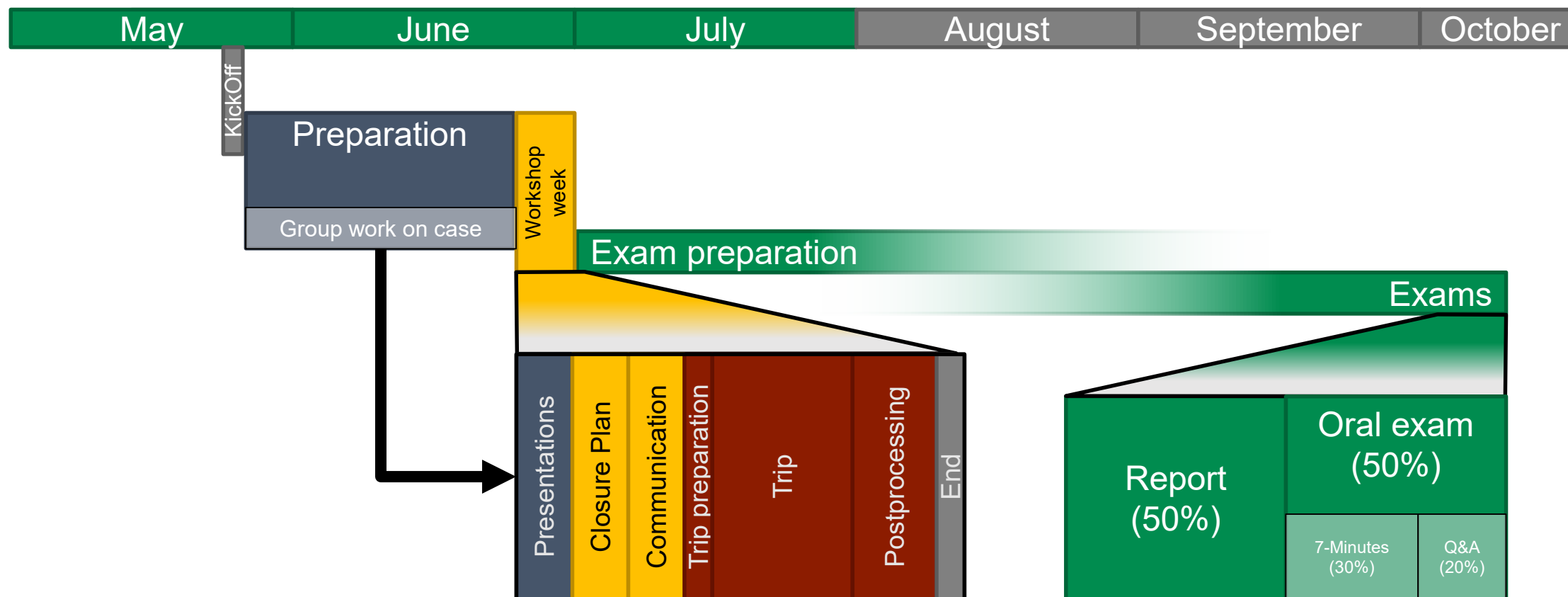


Methodology of course development

1. Formulation of an Overall Intended Learning Outcome (ILO)
2. Set topics, define sub-ILOs, workout outlines and cases
3. Design a format & materials
- 4. Develop a evaluation concept**



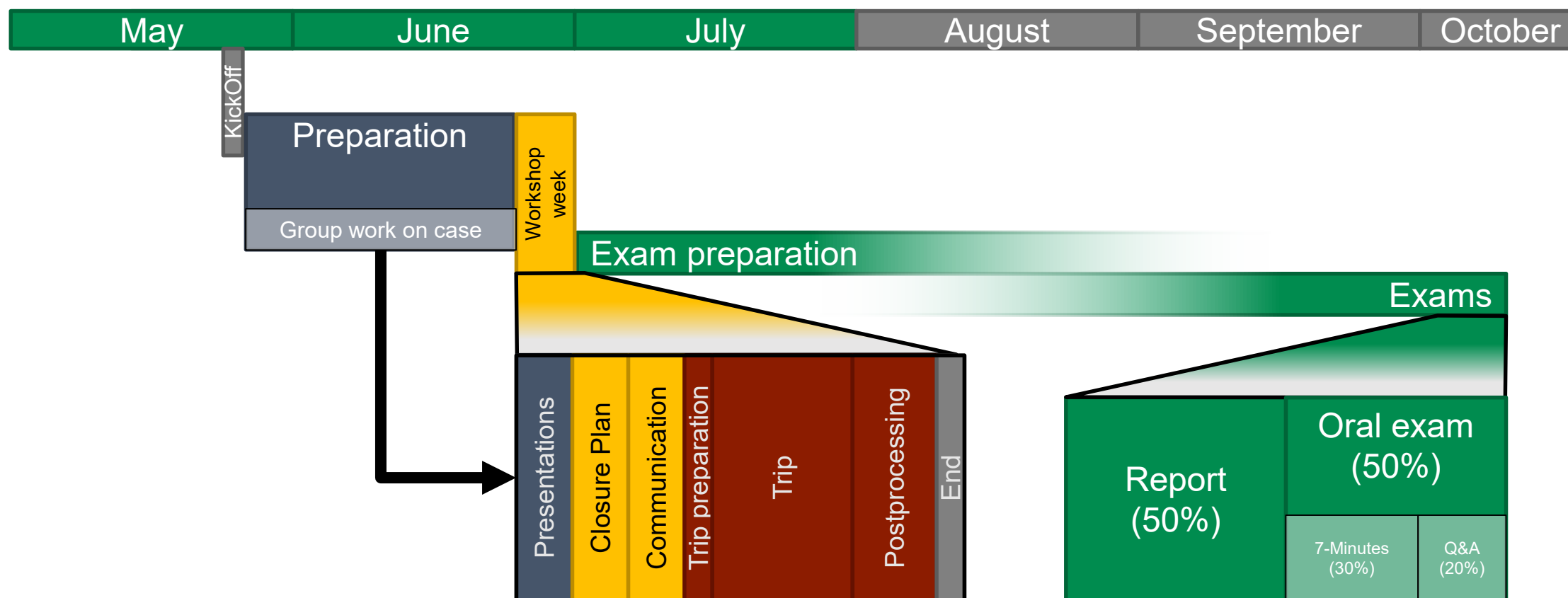
General course concept



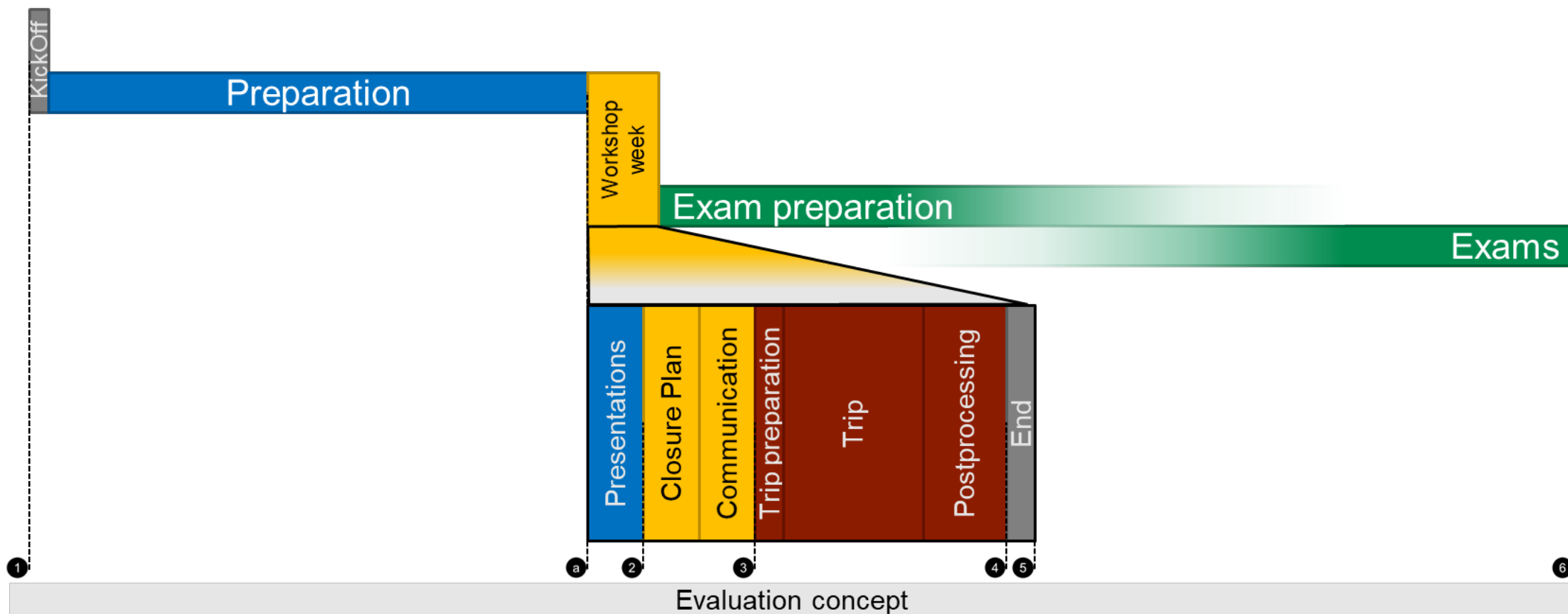
Case in the workshop week: Rammelsberg mine



General course concept



Evaluation concept and results



Conclusion & Outlook



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Final evaluation results
→ end of 2022

Course workover until
April 2023

Open to share more 😊

Glückauf!

Institute of Mining

www.bergbau.tu-clausthal.de

Angela Binder

angela.binder@tu-clausthal.de



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