Pattern for feedback-oriented learning in technology supported environments

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Abstract

The following article demonstrates a procedure for teaching complex coherences in a way that students are not overwhelmed by the facts and lost in the web of interrelated relationships. We show how students can be supported to generate their mental representation holistically and develop their competences with a special kind of training called "deliberate practice".

We illustrate our approach with the complex task of designing adequate feedback to students within a technology-supported environment. For practical application we have the result of our taxonomy of feedback patterns implemented in Moodle, a popular open source learning management system.

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