Applied Pedagogical Ontology in Moodle for INTUITEL

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INTUITEL - Intelligent Tutoring Interface for Technology Enhanced Learning

Meta Data System of INTUITEL

- Knowledge Domain [course level]: KD
- Concept Container [one instructionally framed concept within a KD]: CC
- Knowledge Object [one atomic item of certain knowledge]: KO

Pathways on 3 levels

- Concept Container → Deductive/Inductive
- Chronologically forward/backward
- Knowledge Types (KT) → Multi-Stage Learning
- Inquiry-Based Learning
- Media Types: (MT) → abstracting → concretizing

Knowledge Domain: „Allgemeine Didaktik“

- Logical classification by means of topics (Lehrende, Lernende, Methoden, usw.)
- Chronological classification by means of persons (Comenius, Herbart, Klafki, etc.)

Aim of INTUITEL

- Enhancement for LMS (e.g. Moodle, Ilias) – Adaption of learning pathway recommendations and feedback messages to the needs of any learner
- Recommendations especially considering deviating behaviour (leaving recommended pathways)

Prototype: Intelligent Tutor in Moodle

Intelligent Tutor in Moodle: Recommendations depending on the behaviour of the learner (Examples)

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