知的 CAI

2 units (selection) 2nd-year(2nd semester)

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Target⟩ This course aims to instruct the design methods for intelligent systems from the point of view of new Ergonomics and knowledge engineering

Outline⟩ Computers are being used in Education. In this course, we will instruct about intelligent CAI (Computer Assisted Instruction). Especially, we will talk about the difference between traditional CAI and inteligent one and the applications of ICAI, and user interfaces and teaching strategies based on theories and practices.

Keyword⟩ ***Educational Technology***

Goal⟩ You will acquire how to design and implement the system of Intelligent CAI.

Schedule⟩
  1. Overview of Intelligent CAI, History and theories of CAI
  2. Intelligent CAI
  3. ITS
  4. Learner model, Tutoring model, Theories of CAI
  5. Web Based Learning Environment
  6. Adaptive Hypermedia, Personalization
  7. Game-based Learning
  8. CSCL(Theories)
  9. CSCL(Systems)
  10. Knowledge Management, SNS and Education Support System
  11. Mobile Learning Environment(Theories)
  12. Mobile Learning Environment(Systems)
  13. Ubiquitous Learning Environment(Theories)
  14. Ubiquitous Learning Environment(Systems)
  15. Summery of Educational Technologies
  16. examination

Evaluation Criteria⟩ We will grade based on reports (30 poitns) and examinations (70 points). But this is subject to change.

Contents⟩ http://cms.db.tokushima-u.ac.jp/cgi-bin/toURL?EID=218175