Course Mapping for Designing Adaptive Learning in General Psychology

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Who we are

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What is your role on campus, and what comes to your mind when you hear Adaptive Learning?

- Faculty
- Staff
- Administrator
- Others
Diversity of Adaptive Learning Systems

What is adaptive learning?

Adaptive learning, also known as adaptive teaching, is an educational method which uses computer algorithms to orchestrate the interaction with the learner and deliver customized resources and learning activities to address the unique needs of each learner. In professional learning contexts, individuals may "test out" of some training to ensure they engage with novel instruction. Computers adapt the presentation of educational material according to students' learning needs, as indicated by their responses to questions, tasks and experiences.

Wide range of adaptivity

- CogBooks
- Realizelt
- Macmillan LaunchPad
Uniqueness of adaptive learning design

- **Value:** Personalized, mastery learning in large-enrollment courses

- **System complexity**
  - System as a “platform” – Learning curve and system training
  - Data analytics – Plan ahead the data use

- **Team approach**
  - Faculty team as a SME team, Vendor as a system expert, & Instructional designer for the support of...

- **Design first – Course mapping and alignment**

- **Start small, reflect, and continuous improvement – Expectations**
Design First - Course Map and Alignment
Our design experience: The course

PSYC 1101 General Psychology

Team of four faculty members

- QM Faculty Fellow lead the teaching team
- Review, analyze, and align course contents and instruction plan as SME
- Prepared detailed course map

Instructional Designer

- ID consultation on course design
- LMS training / Courseware integration

Courseware Provider

- Platform training
- Export analytics data

CTL Tech Team

- Integration of multiple technologies
Instructional Design Support

- Pedagogical Support
- Project Management
- Technology Support
Design support: Project Management

Support like a course development project

- Facilitate project meetings
  - Kickoff, Milestones, Completion, & Reflection
- Establish milestones and timeline
  - System training
  - Course design mapping
  - Canvas training & Canvas course development
- Facilitate team collaboration
  - Google folder - Resources and meeting notes
  - Canvas development course
  - Email
Design support: Pedagogical Support

Support like a blended course design

- How to write learning objectives
- Active learning ideas
- How to do course mapping
- QM course design standards
- QM course template
Design support: Technology Support

Support like a Courseware System Integration with LMS

- Feature overview by vendor
- Analytics feature overview by vendor
- Integration with Canvas by CTL and vendor
- Importing question banks by CTL
- Canvas training for course development by CTL