1 **CASE STUDY: Producing Interactive, Online Class Previews**

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2 **Using Interactive, Narrated PowerPoint Presentations for Asynchronous Learning and Review**

Case study
Interactive online modules are used as class"previews" in a web-enhanced course

3 **The context**

St. Charles Community College (SCC)
 Diversity of ages, academic preparation, study skills, challenges
Anatomy & Physiology course
 "Lecture" portion of a lab-lecture format
 Two-semester sequence
 Dense course content
48 students per lecture section

4 **The Problem**

Too much material to cover in lectures
 Over 2,00O new terms
 Hundreds of concepts
 Numerous connections to make between structures and functions of the body
 No time to practice application of concepts
Class size too large
 Inclusive discussions difficult and time-consuming
 Lectures not very interactive
 Feedback from students difficult to assess

5 **The Solution**

Adapt just in time teaching (JiTT)strategies to focus content of lecture mainly on the concepts that are more difficult to master

6 **The Solution**

Assess students electronically
 Analyze past performance on online tests
 Use student response systems in class (clickers)
Make learning activities available to students well before lectures
  Textbook
  Online learning outlines
  Online preview presentations
Use classroom time to focus on difficult concepts and solve problems with learning and applying concepts

7 **Online preview presentations**

"Easy" material viewed online
prior to lecture

Stuff they *should* already know
Introductory material
Straightforward tours of anatomy
Leaves "hard" material for the lecture
Preview material is assessed during lectures by using clickers

8 **Another option for this course is to provide brief, narrated slide shows of introductory material on the LMS.
Do you think this option would work well for you?**

9 **How to**

PowerPoint's built-in audio narration & timing
Screencasting
Various PowerPoint add-ins

10 **iSpring Presenter**

Third-party software
PowerPoint plug-in
    Located in its own tab
Adds narration and timing to presentation
    Animations, hyperlinks intact
    Can add quizzes (SCORM compliant) and outlines
Publishes finished production as a Flash or HTML5 that automatically plays in its own player
    Files can be on hard media or online
    Compact file; starts playing while later slides load

11 **How to**

Create a PowerPoint presentation
Give the presentation
    Use the iSpring plug-in to "record"
    Use a microphone to narrate (or webcam for video)
    Use animations, slide transitions as you would in a classroom
Publish the presentation
    iSpring plugin does this
    You COULD tweak it first
        Add quizzes
        Add outline
        Allow branching
        Much more!

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19 ◼ **Quizzes**

> Quiz grades CAN be automatically entered into your LMS grade book
> > I don't do that
> > > They are "self review" questions with no fear of penalty
> > > I want them to go back over the previous section if they don't get the quiz
> The questions can be very sophisticated
> > I just quiz simple comprehension at this point
> > Complex assessment is at a later stage in the course

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21 ◼ **What I like about iSpring**

> Easy to use
> I can easily edit previous presentations
> Plays well with others . . . easy integration
> > PowerPoint
> > Any LMS or course website
> > Works on mobile devices
> Easy to add quizzes, navigation to presentations
> Easy to provide audio-only podcasts to students

22 ◼ **What I need to invest**

> Money
> > Cost of software (iSpring, PowerPoint)
> Time
> > Producing PowerPoints
> > Producing iSpring presentation
> > > Narrate
> > > Add quizzes
> > > Organize
> > > Publish (and copy to server)

23 ◼ **Would you rather read the "preview" material in the textbook instead of watching them online?**

24 ◼ **What I like about using online previews**

> I can focus more time on the specific needs of students
> I don't feel as pressured to "get it all in" my classroom time
> > I can use time for active learning instead of all lecture
> More interaction within class
> Students are better prepared for class
> Student attitudes and performance are better

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