








Incorporating Different Learning Styles into Online College Statistics Courses

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Traditional Online

- **One Minute Paper/ Exit Ticket**  **Blog or Journal**
- **Whiteboard**  **Graphic Pad**
- **Classroom Discussion**  **Online Survey Interaction**
Discussion Board (DB)
- **Working Out Problems**  **Student Explains in Discussion Board**
Student Creation of New Problem in DB
DB Letter to the Editor
- **In-Class Examples**  **Upload Examples from Newspapers**
Respond in DB

Traditional



Online

- **Cooperative Learning Groups** → **DB Groups on “Lying with Statistics” Wikis**
- **Office Hours** → **Virtual Office Hours**
Skype or Google +
- **In-Class Application** → **Stats Consultants for Other Classes**
- **Playing Stats Songs** → **Students Sing and Write Their Own**
Can Post MP3 Online



Learning Styles

Visual

Learn best by “seeing” material

Online Environment Strategies:

- **Videos**
- **Camtasia**
- **Movie Clips**
- **Comics**
- **PowerPoint**
- **PDF/Scanned Handouts**
- **Graphic Pad**

Aural/Auditory

Learn best by “hearing” material

Online Environment Strategies:

- **Podcast**
- **Vodcast**
- **Songs**
- **Taped Lectures**
- **Videos (e.g. YouTube, Khan Academy)**

Kinesthetic/Active

Learn best by “doing” or applying material

Online Environment Strategies:

- Wikis
- Making Video of Problems
- Online Survey Methods/Poll Everywhere
- Discussion Boards
- Blogs



Advice to the Novice

What Works

- Know the technology before the course begins.
 - Take the time to learn the software and hardware you will be using and be prepared to assist students or refer students to the appropriate resources for technological issues.
- Utilize tools to create community in the online environment.
 - Connect with your students through online office hours, online communication tools such as Skype, and/or online social networking like Google+, Facebook, or Twitter.
- Have fun with intentional creativity.
 - The online environment offers a variety of opportunities to address all learning styles and provide a comprehensive, unique learning experience. However, remember too much is not always best. Be intentional and purposeful to match your creativity with your learning objectives.

What Does Not Work

- **Not responding to students in a timely manner.**
 - A timely manner in the online environment is a response within 24-48 hours.
- **Not answering the questions asked, but referring to the book, lecture, or tutorials.**
 - Remember, questions via email or discussion board constitute the typical raised hand in the traditional classroom and should prompt a similar response.
- **Lectures over 45 minutes.**
 - The online environment requires a different lecture format than the traditional classroom. Remember to be intentional about making time for questions, discussion, and student breaks.
- **Expecting students to learn from PowerPoint and books with little or no guidance from the instructor.**
 - Although the environment has changed, students are still wanting to be taught from you, “the expert.” The online environment offers the ability to still connect, communicate, and instruct while using texts and lecture to supplement.

Publisher Online Software

MyMathLab

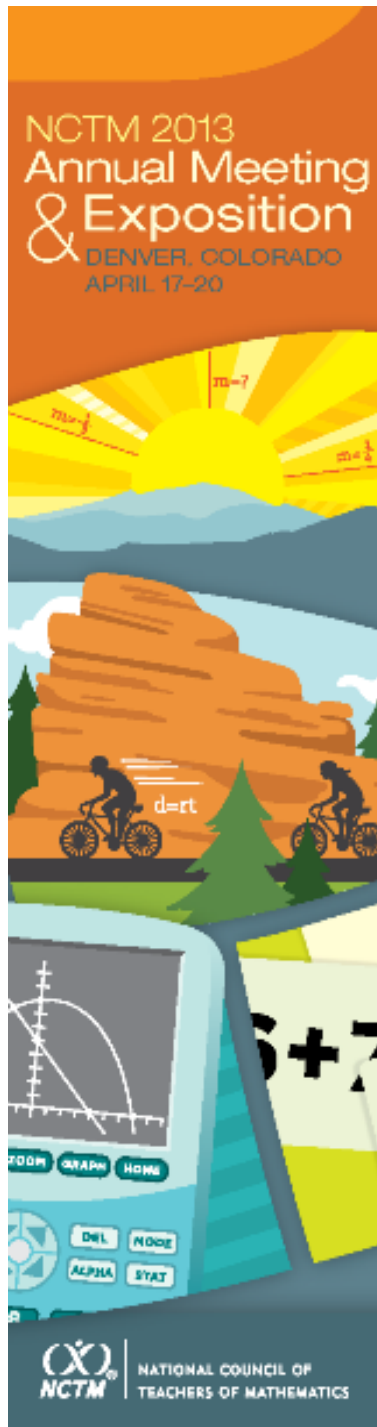
- Lecture Video
- Multimedia Textbook Section
- Multimedia Textbook Exercise Set
- Help Me Solve This
- Textbook Link
- View An Example

Questions or Comments



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