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**Collector:** Web Link 1 (Web Link)  
**Started:** Friday, July 07, 2017 8:39:33 AM  
**Last Modified:** Friday, July 07, 2017 9:15:43 AM  
**Time Spent:** 00:36:10  
**IP Address:** 173.20.13.97

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Page 1: After reviewing the LB iLearn course, complete the following questions based on your expertise.

**Q1** What is the name of the course you are evaluating?

MTH 241 Calculus for Biological/Management/Social Sciences

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**Q2** Describe the background, expertise, experience, qualifications and education that make you qualified as a Subject Matter Expert to review this course.

- Ph.D. Mathematics Education. Graduate of the respected Mathematics Education Doctoral Program at Illinois State University with the world-renowned Cindy Langrall as Dissertation Chair.
  - Instructor of online university courses for 11 years at both the graduate & undergraduate level.
  - Qualified to teach Math, Statistics, and Education at both the graduate and undergraduate levels with at least 18 graduate hours in each.
  - Course Development in Algebra and Statistics with the Canvas and Blackboard LMS, using three approaches to teaching: Traditional Online, Competency-Based Education, Personalized Learning
  - Teacher Leader for Math and Statistics, including supervision of teaching assistants, mentor of new online instructors, lead mathematics faculty, subject matter expert, lead tutor and trainer.
  - Lifetime certified as State of Missouri Teacher in Mathematics 7 – 12, with 5 years public and private experience in middle and high school settings, including recent high school teaching experience in 2014 – 2015.
  - Title I Math Teacher with experience teaching the mathematically at-risk. Doctoral Dissertation research focus on mathematics intervention programs.
  - Professional math tutor specializing in SAT and ACT test prep.
  - Learning Management Systems Expert, having taught in of the following platforms:  
| Blackboard | Canvas | D2L Brightspace | Sakai | ANGEL | Moodle | LoudCloud | eCollege |
  - Math and Statistics Software Applications expert, including extensive work with: | SPSS | Minitab |  
| StatCrunch | Excel | SAS | R | Tableau | Fathom | GeoGebra| Geometer's Sketchpad | Excel QM |  
| POM-QM | TI Calculators | |Pearson MyMathLab | ALEKS | Connect Math | Thinkwell | NROC Math |
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**Q3** Are the outcomes for the course appropriate to what students should be able to do or know to be successful in the profession and/or field?

**Yes,**

Explain.:

What a great set of outcomes for Biological, Management, and Social Sciences majors! Look at the descriptors - apply, interpret and communication, connect, collaborate, recognize and apply, and use a graphing calculator to solve applied problems. These are very practical activities for a course that students often (though mistakenly) see as not practical.

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**Q4** Do the skills taught in the course prepare students for the profession?

**Yes,**

Explain:

Yes they do. While many of the topics, homework, and assessments are strictly computational, the application to profession is brought out in activities with titles such as "modeling supply and demand," "the language of business."

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**Q5** Does the course holistically contain appropriate content related to the profession?

Explain:

The content appears to be well-rounded. Taken as a whole it is comprehensive in it's breadth of coverage as would be needed by Biological, Management, and Social Sciences majors.

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**Q6** What recommendations so you have for improvement that would make the course better align with the profession?

The layout of this course is good. The information is easily accessible to the student. I believe the student will be able to locate items needs with minimal exploration, and less "stumbling around." I think the content is appropriate and looks good. It is challenging but designed so that the students will learn a lot in a short amount of time.

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**Q7** What content needs to be developed to meet upcoming industry needs?

None that I can see.

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