COURSE SYLLABUS

All About You **Teacher Education Course Syllabus** 2014-2015 School Year

Course Description

All About You is a life science course that is geared towards increasing the life science content knowledge and pedagogy of middle school teachers. We will meet six days throughout the 2014-2015 school year. Each workshop day will focus on a different theme, but we will make deep and meaningful connections between the workshop days through the use of unifying themes in life science: the characteristics of life, form fits function, and homeostasis. This course models the use of inquiry-based and hands-on teaching methods, as well as the multiple ways that the Museum of Science and Industry can be used to enhance school curricula

Requirements

- Attend and participate in all six workshops, arriving on time and staying for the full day (see page 2 for dates) at MSI. Please note that missing more than one workshop will result in dropping you from the course. Please review the dates listed in the "Course Outline" section on the back of this page to ensure that you can attend all the workshop days.
- Actively engage in sessions designed to improve your science knowledge and pedagogy in the course.
- Complete the interactive portfolio and incorporate our feedback which is designed to track your growth in science content knowledge and pedagogy in the course.
- Share and collaborate with your partner teacher and others, including working in groups, commenting on an online Discussion Forum, and completing homework and the interactive portfolio.
- Participate in various program evaluation activities including portfolio responses, surveys, journal entries and/or interviews.

Enrollment

Graduate credit will be available from two institutions:

- Valparaiso University as stand-alone credit on a non-degree basis for professional development, licensure renewal, or general continuing education. This credit may also be applied toward a Master of Education in Instructional Leadership at Valparaiso. Depending on your state licensure requirements, these credits may also be used toward a middle level science education endorsement (teachers are advised to check with their state licensing board for details and other requirements). Please contact MaryAnn Dudzinski at 219-464-5473 or maryann.dudzinski@valpo.edu for details and enrollment information. Cost: \$500 per credit hour (this year-long course is worth 5 credits).
- Loyola University Chicago as stand-alone credit on a non-degree basis for professional development, licensure renewal, or general continuing education (6 credits). This credit may also be applied to the individualized concentration for the Master of Education in Science Education. Depending on your state licensure requirements, these credits may also be used toward a middle level science education endorsement (teachers are advised to check with their state licensing board for details and other requirements). Please contact Eli Hurnes at 773-508-3513 or ehurnes@luc.edu for details and enrollment information.

Cost: \$500 per credit hour



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Please note that you must notify us by **October 25th, 2013** if you plan to pursue graduate credit for this course. You will then have to complete registration with the school of your choice.

Content Objectives

Teachers will...

- Learn, explore and implement hands-on and inquiry-based teaching techniques
- Make deep and meaningful connections between different life science topics through the use of unifying themes.
- Understand that cells are the basic unit of structure and function in living things.
- Explore DNA as the genetic material of living organisms.
- Discover that organ systems are designed to fulfill a specific function.
- Understand that your environment and the choices you make can lead to a longer, healthier life.
- Investigate how adaptations and environments drive natural selection, and how natural selection drives evolution.

Course Outline

Cohort A: 9/25/2014 Cohort B: 9/26/2014
Cohort A: 10/17/2014 Cohort B: 10/16/2014
Cohort A: 11/20/2013 Cohort B: 11/21/2013
Cohort A: 1/16/2015 Cohort B: 1/15/2015
Graduate Students Only: 2/7/2015
Cohort A : 2/12/2015 Cohort B : 2/13/2015
Cohort A and B: 4/24/2015

Contact Information

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