



***Rational Human Anatomy & Physiology
Course Design: Incorporating the HAPS
outcomes into new and existing courses.***

HAPS Institute Graduate Credit Course
BI 698 offered in conjunction with Alverno College

Instructor:

Margaret A. Weck, D.A.
Director, Center for Teaching and Learning
St. Louis College of Pharmacy
4588 Parkview Place
St. Louis, MO 63110

Description of this Course:

This course briefly reviews the major concepts associated with the “backwards design” model of rational course development, which stresses the value of thinking through the ultimate outcome goals (both in content mastery and cognitive skill development) for a course as a first step the course design process. Participants will examine the *HAPS Course Guidelines for Undergraduate Instruction* and A & P Learning Outcome statements and think about the design elements, teaching methodologies, and assessments (both formative and summative) that would best foster student achievement of these outcomes. The course will be conducted entirely on-line. Participants will produce syllabi for new or existing courses that demonstrate the principles of rational course design. As part of this process sample assignments and assessments will also be developed that could be used in any course to demonstrate student achievement of the A&P Learning Outcomes.

Course Objectives:

Students successfully completing this course will:

1. Review and incorporate recent research findings into their understanding of the principles of rational course design, including “backwards” course design.
2. Refine their understanding of the role played by systematic assessment in guiding students’ development of meaningful understanding of human A&P content and processes.
3. Use their experiential knowledge associated with teaching and learning to design educational experiences for their students directed toward attainment of the HAPS A&P Learning Outcomes.

Evaluation:

All HAPS-I courses follow grading policies on a "credit / no credit" basis. Like many progressive graduate programs, HAPS-I does not use letter grades in our courses. However, a "credit" grade is equivalent to a letter grade of B or better.

A "credit" grade is earned by satisfactorily accomplishing the following set of specific goals (at a "B" level or better):

active participation in the on-line forum portion of the course – both as a contributor and as a thoughtful reviewer of other's work as outlined in this course syllabus and in the online course material

sharing of their own sample syllabus which embodies the principles of rational course design, especially backwards design, and the specific needs of on line, face-to face, and blended course instruction models as they apply

sharing, critiquing, and refining student assignments and the assessments which evaluate progress toward achievement of specific learning outcomes

presentation to others of the most robust assignments and assessments with accumulation of additional feedback from others outside the class (at the next HAPS meeting)

Course Schedule:

The course runs for 7 weeks beginning on Sunday September 15th and ending on Mon. November 2nd.

See attached weekly schedule.

Required Course Materials:

Log-in for participating in class forums and assignment submission through Google Classroom

copy of HAPS Learning Outcomes:

<http://hapsweb.org/login.cfm?an=1&subarticlenbr=220>

Required texts :

1. Grant Wiggins and Jay McTighe (2005) *Understanding by Design, Second Edition*. Association for Supervision and Curriculum Development (ASCD) through Pearson Education, Inc.: Upper Saddle River, NJ ISBN 0-13-19084-3

2. Jo Handelsman, Sarah Miller & Christine Pfund (2007) *Scientific Teaching* The Wisconsin Program of Scientific Teaching and HHMI through W.H. Freeman and Company: New York, NY ISBN 978-1-4292-0188-9

Recommended Resource (optional):

1. Peter C. Brown, Henry L Roediger III, and Mark A. McDaniel (2014) *Make it Stick: The Science of Successful Learning*. The Belknap Press of Harvard University Press: Cambridge, MA ISBN 978 -0-674-7291-8