Teach, reach and engage more learners
Let us design and develop your online course or technology-rich learning project. We can show you, help you or create it for you.

Learn more

"DCDC was patient and supportive... very respectful of the role of the instructor."
Kathryn Yamamoto, Instructor
Rehabilitation Counseling, UH Manoa

Trusted by:
- University of Hawaii at Manoa
  - College of Education
- NDPTC
  - National Disaster Preparedness Training Center
  - University of Hawaii
- School of Social Work
  - University of Hawaii
- School of Travel Industry Management
  - UH Manoa
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- NASH
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What is the DCDC?

Distance Course Design & Consulting
Self-funded unit of the UHM College of Ed
Began in 2007 as a grant-funded partnership
  COE Technology & Distance Programs
  Educational Technology Department
1st project: COE Secondary program online
Now: Online courses for COE, UHM, UH system
We Are

Instructional Designers
Multimedia Specialists
Educational Technologists
IT Specialists
ETEC M.Ed & PhD. Students
Services we provide

Online Course Development
Professional Development
Web Conferencing Services
What We Do: Course Design

**Design & Develop** distance education courses

**Align** content to standards

**Find & Evaluate** existing materials

**Recommend** strategies, tools

**Build** course materials, multimedia

**Assess**
- student
- instructor
- SME perspectives
UHM Default Situation

“Lone Ranger” approach
One faculty member, all roles
- Subject matter expert
- LMS expert
- Multimedia designer
- Instructional designer

Mixed results
Lean Team Strategy

Multiple experts
  • Instructional Designer
  • SME
  • Multimedia
  • Research

Systematic approach
  Identifying goals, objectives, standards
Examples

Hawaiinuiakea School of Hawaiian Knowledge
  • Elementary Hawaiian Secondary Education
  • online Post-Bac Certificate
Travel Industry Management
  • online certificate
Rehabilitation Counseling
  • online M.S.
Current Projects

**Fall 2012**

MATH 205 & 206 - Calculus 1 & 2  
FSHN 370 – Lifespan Nutrition  
KRS 673 – Research Methods in KRS  
Art 175- Survey of Global Art 1  
CRDG - Fluid Earth/Living Ocean online learning community  
ITE Secondary Field Experience Module  
COE Website upgrade/migration  
COE Intranet  
OSAS - Student Advising Module (1 of 4)

**Spring 2013**

Art 176 – Survey of Global Art 2  
MATH 243- Calculus 3  
SPED 642 – Seminar on Applied Research  
CRDG - Fluid Earth/Living Ocean online learning community  
OSAS - Student Advising Module (2 of 4)  
KCC Culinary Curriculum Mapping project
Aloha

Welcome to Molecular Biology website of the Center for Cardiovascular Research. The aim of this project was to design and develop an effective blended learning instructional program that will develop a familiarity for laboratory techniques for prospective individuals prior to conducting molecular biology research in an authentic laboratory setting. The long-term objective of this project is to increase the number of individuals available to conduct research in medically relevant areas of interest to the multi-ethnic population of the Hawaiian Islands.

Click here to start

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Open & Custom Content
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<th>Week 1</th>
<th>Week 2</th>
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<td>Introduction</td>
<td>The Human Body</td>
<td>Body Composition, Mass Index, and Water</td>
<td>Protein</td>
<td>Carbohydrates</td>
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<td>An overview of the semester ahead</td>
<td>From atoms to organism: how the human body works</td>
<td>Are we what we eat? A look at body composition</td>
<td>Not just muscle and meat—protein is diverse, from foods to function</td>
<td>Sugar, starches, and fiber: contributors toward optimal body function</td>
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<td>Vitamins</td>
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<td>Does fat make us fat? Learn the essential functions of lipids in the human body</td>
<td>How our cells make diverse dietary energy sources into ATP, the universal energy currency</td>
<td>What determines our body's shape and size?</td>
<td>Our alphabet soup: learn what A, B, C, D, E, K and more do for the body</td>
<td>Size doesn't matter; some minerals are needed in small amounts, but play a vital role in the body</td>
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<td>Week 11</td>
<td>Week 12</td>
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<td>Lifespan Nutrition (Part 1)</td>
<td>Lifespan Nutrition (Part 2)</td>
<td>Sports Nutrition</td>
<td>Planning a Diet</td>
<td>Food Safety and Undernutrition</td>
</tr>
<tr>
<td>I'm eating for two! Nutritional issues during pregnancy and an infant's first year of life</td>
<td>Growing pains: how our nutritional needs shift during different life stages</td>
<td>Fueling your body for exercise</td>
<td>Applying what you've learned: how can you stay healthy while enjoying the foods you love?</td>
<td>Keeping our food supply safe to eat and feeding the entire world</td>
</tr>
</tbody>
</table>
Week 1

Introduction

Welcome to FSHN 185: Food Science and Human Nutrition! The course is divided into weekly modules (15 modules). The modules consist of PowerPoint presentations, recorded lectures, textbook readings, discussion posts, and review activities. At the end of each module, you need to take the Comprehension Quiz (via Laulima). The last module is the exams module. Please read the syllabus before starting this Module 1. If you have questions about the course format, please contact the instructor.

Learning Outcomes

This module will introduce you to the study of nutrition. After completing this module, you should be able to:

- Describe the 6 classes of nutrients
- Use the metric system for measurements
- Describe how we make food choices
- Understand the research behind making nutrition recommendations
- Discuss the current nutrition recommendations in the United States

Lessons

1. Lesson 1.1: Introduction to Nutrients
2. Lesson 1.2: Measurements in Nutrition
3. Lesson 1.3: Why We Eat
4. Lesson 1.4: Nutrition Research
5. Lesson 1.5: Nutrition Recommendations

Reading

1. Consumer Link: Healthy Food Makes Consumers Feel Hungrier When Choices Are Limited
FSHN 185: Food Science and Human Nutrition

Week 1, Lesson 1

Introduction to Nutrients

During this course you will learn how the body uses the chemical compounds in food, known as nutrients, to perform different body functions. This lesson will introduce you to the 6 classes of nutrients. This lesson is a recorded lecture. You'll need a reliable internet connection for about 20 minutes while you view the lecture. You may want to download the lecture slides in advance to follow along (see link below). Follow the link in the Lectures section below to view the lecture. If you cannot view the lecture, please contact me right away.

Objectives

- Define Nutrient
- List the 6 classes of nutrients
- Discuss how energy is measured in the field of nutrition
- Describe "essentiality"

Lecture

- Watch the recorded lecture
- Download the slides: [PPT] [PDF]

Required Resources

- Video on Nutrients (from Films on Demand)

Activity

Introduce yourself!

Visit the discussion forum in Laulima and reply to the "Introduce yourself" thread. Your details are listed in the discussion forum.
PEPS 250 - World of Insects

- Design a bug

3.1
Art 175 & 176

ART 175
Survey of Global Art

A short description/welcome piece for my new online course.
SPED 603 - Principles of Behavior

3 Deliverables: Course, Teachers Guide, Support Site
SPED 603 – Teachers Guide

Checklist oriented
Pre semester change list
Module by module walk-through
Current revisions
Laulima troubleshooting
Support Site

Online support for instructors
Using a DCDC Course
Online teaching
Tools
Instructor benefits

Ready to teach from
Wordpress site customizable/editable
Organized and consistent structure
Attractive, professionally designed
Integrated with Laulima
  Uses assignments, forums, tests & quizzes, announcements, gradebook, resources
Student benefits

Organized, consistent, attractive
Community building activities
Sync and async activities
Group and individual work
Incorporates newer technologies
Provides clear instructions
Ownership / IP

- Typically, funder = owner
- MOA may specify “work for hire”
- Shared rights:
  - Content contributor (SME)
  - Client
- Long term availability
Subject Matter Experts

SMEs are the critical link
This is a time commitment, think new prep and up
Should be released or compensated
Attitude counts
  open to online teaching
  experience preferred
Collaborative process with DCDC
  consistent work over a semester
Finances

• Factors
  • Personnel time
    • Content and scope
    • Available open content
    • Degree of multimedia
  • Typical range: $35-45k

• Options
  • Grant funds
  • Outreach returns
  • Payment over time
Recoups development cost after 2 offerings
Generates $19,916 per offering thereafter
DCDC can front 0 - 100% development costs, repaid through revenue & residuals
Questions?