VII. STANDING COMMITTEE

A. Academic and Student Affairs Committee

<u>Online Learning Strategy</u>

For information only.

See Attachment.

Online Learning Strategy

Board of Regents

May 14, 2009

UW Strategy

The University of Washington intends to continue to be a leader in high-quality online learning to extend the resources of the UW to a broader community without the use of significant state-funding.

Definitions

<u>Distance learning</u>: The course content and student/teacher and student/student interactions are delivered primarily through technology.

<u>Educational Technology</u>: The course content and interactions are enhanced by technology but offered primarily onsite (e.g. lectures taped to allow students to review them at a later date; a course Web site, a class discussion board, etc.).

Current Situation at the UW

The UW currently offers a significant number of distance learning degrees, certificate programs and classes through UWEO. These programs operate on a fee-basis without state funding.

- Distance learning degrees: 10

    - Master in Construction Engineering
    - Master in Aeronautics & Astronautics Engineering
    - Master in Aerospace Engineering
    - Master in Manufacturing Engineering
    - Master in Mechanical Engineering
    - Master of Nursing
    - Extended Master in Public Health
    - Master in Strategic Planning for Critical Infrastructures
    - Master of Library and Information Science (dMLIS)
    - Master in Applied Mathematics

- Distance learning certificate programs: 25

    - Biotechnology Project Management
    - Emergency Management

- Interactive Marketing
- Project Management
- C++ Programming
- Embedded and Real-Time Systems Programming
- Oracle Applications Development
- SQL Server Specialist
- Heavy Construction
- Infrastructure Construction
- Quantitative Construction Management
- Construction Management
- Critical Infrastructures Protection
- Facility Management
- Brain Research in Education
- E-Learning Design and Development
- School Library Professional
- Medical Engineering: Biosensors and Biomaterials
- Advanced Research in Addiction and the Brain
- Gerontology
- Database Management
- Information Assurance & Cybersecurity
- Web Technology Solutions
- Guardianship
- Paralegal Studies

- Distance learning undergraduate credit classes: 70 (some of these classes will be in the Time Schedule)

- Online free courses: 13

UW DL Enrollments	2004	2005	2006	2007	2008
Total UW DL	10865	9919	11892	11242	12369

Current National situation

- More matriculated undergraduate students taking an online course with their onsite courses.
- In fall 2007, 3.9 million undergraduates took an online course, which represents a 12.9% increase in one year and constitutes 22% of all college-level enrollments.
- Examples:

  1. In 2007, University of Massachusetts Online attracted 26,627 enrollments, an annual increase of 25% in enrollments.
  2. Capella University, an online university established in 1993, has 26,800 mostly nontraditional students.

3. Seventy-five percent of the 362,000 University of Phoenix students take a class online.
4. Western Governors University, an online, competency-based university that started in 1996, graduates 1,000 students a year mainly in education.

Benefits of Distance Learning

- Expands access to the resources of the UW.
- Provide time flexibility to students with work and family responsibilities.
- Lessen the constraints on physical space and the classroom shortage.
- A "green" alternative to driving to class.
- A way to circumvent the new toll bridges.
- Allows partnerships to be developed more easily.
- Carefully predesigned for learners.
- Provides an optimal learning environment for some students.
- Useful for a new generation of students who have familiarity with technology.
- Offers social networking capabilities not easily attained in the classroom (e.g. students from different countries and cultures learning in the same class; Boeing workers in Seattle and Wichita taking the same class, etc.).
- Offers a learning environment that can be accessed repeatedly rather than once in a live context.
- Ability to design a course for multiple learning styles.
- Ability to use content or parts of the content for multiple audiences: Matriculated students and professional students.

Limits of Distance Learning

- Not all students or institutions have access to the necessary technology.
- Some students do not learn optimally online.
- Online learning has a greater upfront cost and longer timeline for development than a classroom experience.

The UW Model and Partnerships: Allows Expansion into a National Market with Less Risk

- ASG: UW, UC Irvine, Northwestern, UC San Diego, U. of Oklahoma, U of Texas at Austin, NYU, Capella U., UBC, U of Toronto, Penn State
  - UW coordinates this effort
  - Biotechnology Project Management (UW/UCSD)
  - Decision making for Climate Change (UW/UBC/UCI/Northwestern)
  - Green Human Resources (UW/Northwestern)
  - Sustainability Institute (UW/UBC)

- R1edu: 34 Major AAU Research Institutions
  - UW coordinates this effort

- - - - - - Short Courses on the environment (UW/Wisconsin/Rutgers)

- Prentice-Hall
  - LAAP Grant ($1.5M)
  - Mac and iPhone Development Certificate

- Other Project Partners
  - Department of Labor ($1.5M)
  - Boeing
  - Chulalongkorn University
  - WUN
  - Apex
  - Heritage University
  - Sloan Foundation

Course Development Model for Online Learning

- Content Expert
- Technologist: Development and Support
- Instructional Designer and Trainer

Types of distance learning delivery: A mixed model

- Video-based (streamed via EDGE)
- Online print-based/interactive (discussion boards)
- Real-time video (Adobe Connect)
- Virtual World (Second Life, Forterra, and Protosphere, game simulations)

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