LIS 665 Teaching Information Technology Literacy

SPRING 2010: Class meets Mondays 1:00-3:40 in POST 318b
Instructor: Dr. Diane Nahl
Office: POST 305F; Voicemail: 956-3494; Email (quickest response): nahl@hawaii.edu
Web Sites: http://www2.hawaii.edu/~nahl/courses665.html
The Information Literacy Channel: http://www.youtube.com/user/DrNahl
LIS 665 Google Group: http://groups.google.com/group/LIS665 LIS665@googlegroups.com
Office Hours: Monday 4:00-4:30 p.m.; Tuesday 4-4:30 p.m.; by appt.

Course Description
Introduction to the history, rationale, theories, principles and concepts of library and information technology literacy instruction, including, learning theories and user-based research methods. Examines program design, administration, and evaluation. Provides practical experience in instructional design, implementation, and outcomes assessment. Includes field research component.

Prerequisite: LIS 601

Professional Core Competencies
1. Professional Ethics
3. Knowledge Organization
4. Technological Knowledge [P]
5. Knowledge Dissemination—Service [P]
6. Knowledge Accumulation—Education and Lifelong Learning [P]
7. Knowledge Inquiry—Research [P]
8. Institution Management

For a fuller description of each core competency, see the LIS Program site http://www.hawaii.edu/lis/program.php?page=corecomp

Program Learning Objectives
This course addresses the following objectives of the LIS Program, enabling students to:

1. demonstrate an understanding of the philosophy, principles, policies and ethics of library and information science and technology;

3. apply basic competencies and knowledge that are essential for providing, managing, and designing information services in a variety of information environments;

6. demonstrate theoretical understanding of and basic competencies in retrieval, dissemination, utilization and evaluation of information;

7. demonstrate an understanding of the principles of administration applicable to libraries, archives, and information centers;

8. demonstrate basic competencies required for instructional program development in particular information environments;

9. demonstrate an understanding of research techniques and methods of applying new knowledge as it becomes available;
10. demonstrate the professional attitudes and the interpersonal and interdisciplinary skills
   needed to communicate and collaborate with colleagues and information users;

11. Demonstrate basic competencies in the latest specialized information technologies.

**Course Learning Objectives**
Because this course focuses on learning and instructional design, these course objectives
follow the model used in the assignments.

**Affective Learning Objectives**
In this course students will endeavor to:

1. value creating opportunities for cooperation between teaching faculty and librarians.

2. be willing to acquire and adopt instructional design principles in creating instruction for
   information technology users.

3. appreciate the benefits to users of providing information skills instruction.

4. develop a personal philosophy of user-based instructional service.

5. take the perspective of users in order to create relevant instruction.

6. be willing to incorporate principles of learning theory into instruction.

7. consider the consequences of barriers to information literacy.

8. appreciate the need for standards-based and user-based assessment in information
   settings.

**Cognitive Learning Objectives**
By the end of the course students will be able to:

1. critically examine contemporary library instruction, technology instruction, and information
   seeking theory and research.

2. objectively and analytically examine the information seeking process through observation to
   identify instructional needs.

3. apply concepts from contemporary learning theory to individuals learning information
   technology.

4. incorporate principles of instructional design in group or individual course-integrated
   information instruction.

5. examine the status of, and develop strategies for improving the librarian-teaching faculty
   relationship.

6. ascertain information needs, assess learning outcomes and evaluate instructional efforts.
7. develop performance objectives for information technology instruction in the affective, cognitive, and sensorimotor behavioral domains, and distinguish between different levels of instruction.

8. determine appropriate methods of instruction for various information settings and types of users.

9. conceptualize, develop, teach and evaluate a complete instructional unit.

10. analyze and evaluate the instructional process to design and revise instruction.

11. evaluate, compare, and adapt instructional materials.

12. compare user-based assessment methods.

**Sensorimotor Learning Objectives**

By the end of the course students will be able to:

1. provide effective hands-on, interactive instruction to learners.

2. observe information skills of learners and gather, analyze and summarize data on their habits, skills, and errors.

3. produce and demonstrate user-centered instructional materials.

4. orally present relevant information literacy research findings and lead the class in discussion.

5. discuss with library users their on-going information problems.

6. complete an assessment of users on some aspect of learning information systems, including assessment instrument design, data gathering, analyses and reporting.

**Course Philosophy**

This course emphasizes developing professional knowledge and skills in understanding information seeking and use for the purpose of designing instruction relevant to particular academic user groups. Learning to teach students how to search, how to ask productive questions, and how to evaluate and ethically use information, requires us to treat errors as learning opportunities. Fieldwork with a service learning focus helps us to focus on the intermediary role of librarians as instructors through real world experience teaching other students about solving their information problems. The broad goal of the course is to help students value the librarian’s instructional role, acquire professional instructional skills, acquire the ability to design standards-based user-oriented instruction, and conduct user-based assessment of learning within a collaborative, classroom-workshop environment.

**Professional Expectations**

LIS graduate students are responsible for observing the highest standards of intellectual and personal integrity in every aspect of their careers at the University of Hawaii. The profession promotes ethical and behavioral standards in public service and dealings with colleagues. LIS students are expected to adopt these values and enact them in their interactions with fellow students, faculty, staff and professionals. Please read the Professional Expectations Notice for LIS Graduate Students at UH: [http://www.hawaii.edu/slis/students/profexp.html](http://www.hawaii.edu/slis/students/profexp.html)
In consideration of all, please turn off cell phones and pagers during class.
Teaching Method
Lecture, small group discussion, problem-solving exercises, instructional design and assessment workshops, student oral presentations, online and offline collaborative work, guest presentations, service learning fieldwork, model assignments, design and evaluation of instructional materials, integrating new technologies to support teaching and learning.

Research Methods
Students will learn and use the following research methods in course assignments: Instructional Design method to systematically analyze learner needs, implement instruction, and assess learning; Action Research method to study student interaction with the instructional environment; Participant-Observer method to study live teaching by instruction librarians.

Requirements
Required Texts:

There are weekly reading assignments from the instruction literature and relevant Web sites.

Assignments and Grading
<table>
<thead>
<tr>
<th>Assignment</th>
<th>Points</th>
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<tbody>
<tr>
<td>Instruction Observation Report</td>
<td>10</td>
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<tr>
<td>Instruction Unit</td>
<td>30</td>
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<tr>
<td>Outcomes Assessment Study</td>
<td>30</td>
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<tr>
<td>LILO Rubrics Assessment Report</td>
<td>20</td>
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<tr>
<td>Class participation/exercises</td>
<td>10</td>
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<td><strong>Total</strong></td>
<td><strong>100</strong></td>
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Refer to the written Assignment Instructions. Read the instructions for each assignment and follow them closely. Your grades depend on how well you follow written instructions. Please do not use report covers or binders.


Due Dates
Due dates are given on the course schedule. Late assignments will be assessed one point per day.

Participation Requirements
Attendance, discussing assigned readings, class exercises, fieldwork, group work and active class participation are required.

Technology Requirements
This course requires you to use a computer to produce all of the written assignments. PCs and Macs are available in ICS and other UH computer labs, but you must bring your own paper to print. ICS Labs require you to apply for an account each semester, so submit the form for this term. You are also required to obtain and use your hawaii.edu UH email account as well as the LIS665 Google Group for course communication. Students are expected to use the Internet and to locate and study World Wide Web resources pertinent to the course topics, as well as investigate potential for information literacy education via Web 2.0 technologies and the virtual world Second Life. Students are strongly encouraged to post their assignments in an e-portfolio on a personal UH Web site.
## LIS 665 SPRING 2010 COURSE SCHEDULE

(Subject to change)

<table>
<thead>
<tr>
<th>Session</th>
<th>Date</th>
<th>Topics</th>
<th>Assignments &amp; Due Dates</th>
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<tbody>
<tr>
<td>(1)</td>
<td>JAN 11</td>
<td>Professional Responsibility for Instruction in Academic Libraries</td>
<td>Rockman</td>
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<td>Instruction Observation</td>
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<td>Instruction Unit</td>
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<td>JAN 18</td>
<td>MLK Jr. Holiday</td>
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<td>(2)</td>
<td>JAN 25</td>
<td>Instructional Design and Strategic Planning</td>
<td>Ch 1 &amp; 2; <a href="http://manoa.hawaii.edu/libraryessentials/">ACRL</a> competencies &amp; outcomes; Grassian &amp; Kaplowitz ch 7; Handouts pp. 2-5; Assigs. pp. 5-9; <a href="http://manoa.hawaii.edu/libraryessentials/">http://manoa.hawaii.edu/libraryessentials/</a> •DUE: Instruction Unit Topic (no topic changes after this date)</td>
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<td>Guest instructors: HL Room 156</td>
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<td>Dave Brier &amp; Vicky Lebbin, Instruction Librarians, HL</td>
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<td>(3)</td>
<td>FEB  1</td>
<td>Learning Theory and Pedagogy. Integrated Affective and Cognitive Learning Outcomes Outcomes Assessment Study</td>
<td>Ch 3; <a href="#">Hensley</a>, <a href="#">Nahl-J</a>, <a href="#">Neely &amp; Sullivan</a>; Handouts pp. 6-17. •DUE: Teaching Goal</td>
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<td>(4)</td>
<td>FEB  8</td>
<td>Instruction Methods</td>
<td>Ch 4; <a href="#">Julian</a>; Grassian &amp; Kaplowitz ch 10; <a href="#">Kaplowitz</a>; •DUE: Instruction Unit: Learning Outcomes</td>
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<td>Guest instructor: Brett Bodemer, Cal Poly</td>
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<td>FEB 15</td>
<td>President’s Day Holiday</td>
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<td>(5)</td>
<td>FEB 22</td>
<td>Active, Collaborative, Problem-based Learning Models Information Literacy Assessment</td>
<td>Ch 5; Radcliff Ch 1, 2, 3; <a href="#">Antonelli</a>; <a href="#">IPL 15 Things</a> •DUE: Instruction Unit: Revised Learning Outcomes</td>
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<td>(6)</td>
<td>MAR  1</td>
<td>Needs Assessment</td>
<td>Ch 7; Radcliff Ch 4, 5 •DUE: Instruction Unit: Active Learning Exercise</td>
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<td>(7)</td>
<td>MAR  8</td>
<td>Critical Thinking About Information</td>
<td>Ch 6; <a href="#">Burkhardt</a>; Info Eval links •DUE: Instruction Unit: Learning Assessment &amp; Evaluation Items</td>
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<td>(8)</td>
<td>MAR 15</td>
<td>Developing Librarian-Teaching Faculty Partnerships</td>
<td>Emmons; <a href="#">Mackey</a> •DUE: Final revision: Instruction Unit Instructional Sequence</td>
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<td>MAR 22</td>
<td>Spring Recess (Mar 22-26)</td>
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| (9) teach | MAR 29 | Rubrics in Assessment  
Guest instructor: Kevin Roddy, KCC Information Literacy Librarian. LILO Programmer | Ch 7: Radcliff Ch 11; Sullivan  
•DUE: Instruction Observation Report |
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<td>(10)</td>
<td>APR 5</td>
<td>Assessment Data Analysis</td>
<td>Radcliff Ch 13, 14; InfoLit i-School; Kracker;</td>
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| (11) | APR 12 | Information Literacy Program Assessment | Warner; ACRL-03; ACRL-07; IL IQ  
•DUE: Instruction Unit |
| (12) | APR 19 | Information Fluency Mandates | Ch 8: CTSB report; Gibson |
| (13) | APR 26 | Faculty Status for Academic Librarians | ACRL-1; ACRL-2; UHPA Contract; UH Tenure & Promotion: Criteria & Guidelines (L), All Faculty Part 1-3 & 5-9, & Librarian Faculty Part 4.  
•DUE: LILO Rubrics Assessment Report |
| (14) | MAY 3 | Future of Information Instruction  
Guest Instructor: Joe Murphy, Coordinator of Instruction and Technology, Yale Science Library | Swanson; Waelchli  
•DUE Outcomes Assessment & Instruction Unit Presentations Course evaluation |
| (15) finals week | MAY 10 | Last day to turn in assignments | •DUE: Outcomes Assessment Report |