

Class Syllabus  
Second Semester AY 2014-2015

Course Number:	<b>LIS 161</b>	Faculty:	<b>Sonia M. Pascua</b>
Course Title:	<b>Information and Communications Technology in LIS I</b>	Consultation Hours:	<b>11:30AM - 1:00PM Daily</b> <b>Email consultation is encouraged.</b> <b>SLIS Faculty Room</b> <b>981-8500 loc. 2869</b>
Course Credit:	<b>3 Units</b>	Phone Number:	
Class Schedule:	<b>10:00 AM - 1:00 PM Wednesday</b>	Mobile Number:	<b>09178713126</b>
Class Venue:	<b>Comp Lab</b>	Email:	<b>sonia@slis.upd.edu.ph</b>

Course Description: Theories, principles, components, and issues of ICT and its applications in LIS

Course Objectives: At the end of this course, the student should:

1. Learn the different theories, principles, and components of ICT.
2. Appreciate the different ICTs applied in libraries and information centers.

Course Outline

<b>Weeks</b>	<b>Topic</b>	<b>Activity</b>
1	Information and Communication Technology in relation to LIS	<ul style="list-style-type: none"> <li>• Lectures</li> <li>• Discussions</li> </ul>
2-8	Introduction to Computers <ul style="list-style-type: none"> <li>• The Evolution of Computers</li> <li>• Computer Hardware: System Unit</li> <li>• Computer Hardware: Input and Output</li> <li>• Computer Hardware: Storage</li> <li>• Computer Software: Operating System and Utility Program</li> <li>• Computer Software: Application Software</li> </ul>	<ul style="list-style-type: none"> <li>• Lectures</li> <li>• Discussions</li> <li>• Reaction Papers</li> <li>• Quiz</li> <li>• Film Showing</li> </ul>
9-11	The Internet <ul style="list-style-type: none"> <li>• Internet Milestones and Communication Devices</li> <li>• The Internet, the World Wide Web, and Networks</li> <li>• Social Media and LIS</li> </ul>	<ul style="list-style-type: none"> <li>• Lectures</li> <li>• Discussions</li> <li>• Reaction Papers</li> <li>• Quiz</li> <li>• Film Showing</li> </ul>
12	Computer Security and Safety, Ethics, and Privacy	<ul style="list-style-type: none"> <li>• Lectures</li> <li>• Discussions</li> <li>• Reaction Papers</li> <li>• Quiz</li> <li>• Film Showing</li> </ul>

13	Midterms	
14	Integrated Library Systems	Group Activity: Using OpenBiblio
15-16	Content Management System	Group Activity: Using WordPress
17-24	Database <ul style="list-style-type: none"> <li>• Introduction to Database and Database Management Systems</li> <li>• Data Models</li> <li>• Relational Database</li> </ul>	<ul style="list-style-type: none"> <li>• Lectures</li> <li>• Discussions</li> <li>• Reaction Papers</li> <li>• Quiz</li> <li>• Film Showing</li> </ul>
25-26	Project Break	Final Project: Libre Office Base

### General Policies

1. More than six absences will merit a grade of DRP / 5.0.
2. Coming to class late for more than 18 times will merit a grade of DRP / 5.0.
3. Quizzes, exercises, and projects must be submitted on the specified date.
4. Late submission will not be accepted.
5. Reporters must report on the day they are assigned to deliver the report.

### Course Requirements

Attendance	10%
Class Participation	10%
Exercises	20%
Midterm Exam	10%
Projects	40%
Indexes	20%
Abstracts	15%
<u>Final Exam</u>	<u>15%</u>
Total of	100%

### Bases of Grading

Grades will be based on the evidences presented to prove student's learning .

**1.0** = 96-100 pts.    **1.25** = 91-95 pts.    **1.5** = 86-90 pts.    **1.75** = 81-85 pts.    **2** = 76-80 pts.    **2.25** = 71-75 pts.  
**2.50** = 66-70 pts.    **2.75** = 61-65 pts.    **3.0** = 51-60 pts.    **5.0** = 50 & below

## References:

1. Connolly, Thomas and Carolyn Begg. Database systems : A practical approach to design, implementation and management. Fourth edition. England : Addison Wesley.
2. Encyclopedia of information systems (2003) Amsterdam ; Boston : Academic Press
3. Hutchinson, Sarah E. (1996) Computers and information systems. Chicago: Irwin
4. Kawatra, P.S. (2000) 2000 plus : library and information systems in the 21st century. New Delhi : Crest Pub. House
5. Kochtanek, Thomas R. (2002) Library information systems : from library automation to distributed information access solutions. Westport, Conn. : Libraries Unlimited
6. Long, Larry (1998) Introduction to computers & information systems. Singapore : Prentice-Hall
7. Long, Larry E. and Nancy Long. (2005). Computers. 12th ed. Upper Saddle River, N.J.: Prentice Hall.
8. Orman, Levent V. (1991) Elements of information systems : components and architecture. New York: Macmillan
9. Ponniah, P. (2003). Database design and development: An essential guide for IT professionals. 1st ed. N.J. : John Wiley & Sons Inc.
10. Williams, Brian and Stacey Sawyer. (2014). Using information technology : a practical introduction to computers and communications. 11e. Boston : Mc Graw-Hill/Irwin.