

Class Syllabus  
Second Semester AY 2017-2018

Course Number:	<b>LIS 161</b>	Faculty:	<b>Sonia M. Pascua</b>
Course Title:	<b>Information and Communications Technology in LIS II</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: Fundamentals of Information Storage and Retrieval Systems, Database Management Systems, and Programming in LIS

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

1. Understand the different concepts of Information Storage and Retrieval Systems.
2. Appreciate how Database Management Systems are used in libraries or information centers.
3. Perform Web Programming to address the different needs of libraries and information centers' services

Course Outline

Weeks	Topic	Activity
1	Course Introduction	
2-7	Static Website Design and Implementation <ul style="list-style-type: none"><li>• HTML</li><li>• CSS</li><li>• JavaScript</li></ul>	<ul style="list-style-type: none"><li>• Lectures</li><li>• Exercises</li></ul>
8	Presentation of the Static Website Project	
9-15	Database Design and Managment (MySQL)	<ul style="list-style-type: none"><li>• Lectures</li><li>• Exercises</li></ul>
16-24	Dynamic Website Design and Implementation (PHP)	<ul style="list-style-type: none"><li>• Lectures</li><li>• Exercises</li></ul>
25-26	Project Break	Final Project Presentation

## 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%
Exercises	20%
Projects	70%
Indexes	30%
Abstracts	4%
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.