LIS 163 Syllabus

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SCHOOL OF LIBRARY AND INFORMATION STUDIES
UNIVERSITY OF THE PHILIPPINES

Course Syllabus Course Number:	**LIS 163**	Faculty:	**Sonia M. Pascua**
Course Title:	**Analysis and Design of Library and Information Systems**	Consultation Hours:	**TTH 11:30AM - 1:00PM** **WF 11:30AM - 2:30PM** **Email consultation is encouraged.** **SLIS Faculty Room**
Course Credit:	**3 Units**	Phone Number:	**981-8500 loc. 2869**
Class Schedule:	**4:00PM - 5:30PM Wednesdays & Fridays**	Mobile Number:	**09178713126**
Class Venue:	**ILS IT APPS**	Email:	**sonia@slis.upd.edu.ph**

Course Description

Application of the principles, techniques and tools of systems analysis and design to library and information systems.

Course Objectives

At the end of the course, the student should be able to:

1. Understand the concepts evolving methodologies for the analysis and design in developing information systems.

2. Understand the different phases of system development life cycle (SDLC) and the principles of project methodology in management of library and information systems.

3. Develop and work with architecture and user interface design of an information system.

4. Apply techniques and use appropriate design tools in systems analysis and design.

Prereq: LIS 161

Course Outline

  I. Phase I: Systems Planning
- Introduction to Systems Analysis and Design
- Analyzing the Business Case
- Managing Systems Projects

  II. Phase II: Systems Analysis
- Requirements Modeling
- Data and Process Modeling
- Object Modeling
- Development Strategies

  III. Phase III: Systems Design
- User Interface Design
- Data Design
- System Architecture

  IV. Phase IV: Systems Implementation
- Managing Systems Implementation
- Managing Systems Support and Security
- Maintaining Information Systems

V. Phase V: System Analyst's Toolkit

- Communication Tools
- CASE Tools
- Financial Analysis Tool
- Internet Resources Tools

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 & Class Participation   10%
Exercises (Interactive)   20%
Reports (SP, SA, SD, SI & SOS) 200 pts   20%
      Reporting   100 pts
           Slides Presentation   100 pts
Projects (300 pts)   40%
      Reporting - 100 pts
          Documentation - 100 pt
            Skill- 100 pts
Final Exam   10%
Total   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

Helpful Reading Resources:

1. Hoffer, J. A., Modern Systems Analysis and Design (5th Ed)
2. Shelley, G. B and Rosenblatt, H. J., Systems Analysis and Design (9th Ed)
3. Kendall, K. E., Systems Analysis and Design

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