<u>**Major Program: Pharmacy   11/2007**</u>

Briefly describe how Information Literacy will be taught within your major program. List courses in which these skills will be embedded.

In the program leading to a B.S. in Pharmacy Studies, Information Literacy consists of students (1) understanding and critically evaluating the scholarly literature, (2) learning to choose the most appropriate database, (3) learning and using relevant citation styles, (4) learning and using the fundamentals of biostatistics and epidemiology and (5) effectively demonstrating oral and written communication of drug information.

Phrx 206 (3006) Drug Information I. Students will learn to evaluate and use information from primary literature in their clinical or research practice. These abilities should empower the student to find and differentiate vital drug or health information to optimize a therapeutic plan, keep abreast of therapeutic advances, and contribute to curricular outcomes. During this process, students will learn to choose databases appropriate to pharmacy related research, develop an effective search strategy, and learn to use relevant citation styles and the ethical use of literature.

Phrx 207 (3007) Drug Information II. Students will learn to critically evaluate the literature and apply this knowledge to drug information. They will be introduced to the fundamentals of biostatistics and epidemiology and will learn to use computerized programs for monitoring and identifying adverse reactions, drug interactions, etc. In addition, they will discuss and implement the peer review process.

Phrx 208W (4001W) Current Topics in Pharmacy. Students will culminate the Pharmacy Literacy Plan by learning and understanding a specific aspect of pharmacy to include biological, chemical, clinical/therapeutic, sociological and/or legal/ethical aspects of drugs, dosage forms and/or health care systems. Students will improve their writing, presentation and discussion skills focused around a 15 page paper (excluding references) which will include at least two drafts, written comments by faculty and individual meetings. Students cannot pass this course without passing the W component, which should include a majority of the course grade.

<u>**These courses fulfill the ACRL Standards as outlined below:**</u>

Phrx 206 fulfills Standard I, II and III. Standard I is addressed by developing a search strategy for identifying and accessing relevant information. Standard II is addressed by determining the most effective and efficient search strategy for obtaining relevant information resources. Standard III is addressing by critically assessing the validity and reliability of retrieved information.

Phrx 207 also fulfills Standard III as well as Standard IV. Standard III is fulfilled by the student's ability to validate his/her understanding and interpretability of the information retrieved. Standard IV is fulfilled by the student learning to analyze and interpret retrieved data and beginning to synthesize a final product.

Phrx 208W will fulfill Standard V by demonstrating in a multiple draft 15 page paper the ability to incorporate specific citation styles, the ability to discriminate and understand ethical and legal issues in quoting or referencing the literature and to synthesize appropriate interpretations of the retrieved information.

Exit Expectations of the Pharmacy Literacy Plan

1. Define and articulate patient or professional pharmacy information needs.

2. Compare and contrast medical and professional pharmacy information resources across a variety of formats (e.g. journal, book, website, and databases).

3. Identify and use primary sources of pharmacy, medical and drug information.

4. Describe the procedures for using sources of information, such as Drug Facts and Comparisons, professional journal articles or MEDLINE.

5. Select effective approaches for accessing evidence based medical and pharmaceutical information.

6. Implement an efficient and effective search strategy in MEDLINE, TOXLINE and related databases.

7. Develop expertise working with a variety of information sources, including evidence-based materials.

8. Evaluate information for consistency, accuracy, credibility, objectivity, innovation, timeliness and cultural sensitivity.

9. Synthesize main ideas to construct new concepts.

10 Ethically and legally acknowledge information sources, following discipline guidelines.

11. Incorporate the information in the planning and creation of a product.

12. Use a variety of information technology applications to effectively communicate project outcomes.