

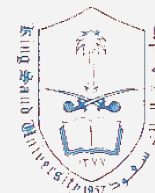
COURSE SYLLABUS

PHCL 328 (1+1)

Introduction to Poison & Information Services

DEPARTMENT OF CLINICAL PHARMACY

COLLEGE OF PHARMACY – AIN SAUD UNIVERSITY



COURSE COORDINATOR/TEACHING FACULTY

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TEACHING ASSISTANTS

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CLASS MEETING TIMES AND LOCATIONS

Lecture Day	Lecture Time	Classroom #	Lab Meeting Time in DI Room	
Sunday All sections	8-9	46	Saturday Section# 24380	1-4

Lab Sessions will be held in the Drug Information Lab Bldg. 1 room# 7

COURSE DESCRIPTION AND PREREQUISITES

This course explores the fundamental aspects of drug information. It is designed as an introductory course to teach the student the basic principles of drug information pertaining to retrieval, evaluation and communication skills. In addition, the course should help students not only to understand the types of drug information available but also what sources of information are appropriate to use in a variety of situations.

Prerequisite: PHCL 311 (Pharmacy Practice)

COURSE OBJECTIVES:

UPON SUCCESSFUL COMPLETION OF THIS COURSE, STUDENT SHOULD BE ABLE TO:

- ✓ Identify and list different types of information resources available.
- ✓ Discuss the advantages and disadvantages of the tertiary, secondary, and primary literature.
- ✓ Develop critical understanding of the strengths and limitations of these resources (scope, type of information, arrangement, method of access, structure, and application of frequently used drug information tertiary resources.)
- ✓ Understand the different secondary databases, the search strategy and article citation and retrieval process involved.
- ✓ Demonstrate proficiency in the use of computerized information databases
- ✓ Understand and differentiate the type of information cited in a biomedical journal (original article, review article, case report, editorial, etc)
- ✓ Conduct a systematic search of the tertiary, secondary, and primary literature in order to retrieve appropriate drug information to answer a specific request
- ✓ Evaluate online drug information sites for appropriateness and quality.
- ✓ Formulate a drug information response based on the requestor's level of understanding
- ✓ Develop sufficient communication skills through verbal and written activities
- ✓ Demonstrate sufficient skills to perform appropriate calculations.
- ✓ List literature resources utilized to manage topic specific questions (poison, herbal, pregnancy, evidence-based medicine, etc)
- ✓ List other activities performed by drug information pharmacist (drug evaluation, DUE, ADR reporting, DI newsletter, etc)

TEXTBOOK(S) & LEARNING RESOURCES

- ✓ **Required (textbook is available in University bookstore). If not photocopy of selected chapter will be made available.**
 - Malone PM et al. *Drug information: a guide for pharmacists*. 3rd ed. NY: McGraw-Hill, 2008. (<http://books.mcgraw-hill.com/medical/druginfo/>)
 - Galt KA: Clinical skills program drug information series, module 1. Analyzing and recording a drug information request. Bethesda, MD: American Society of Hospital Pharmacists; 2000. (Copies of the required chapters are available).
- ✓ **Helpful resources:**
 - PubMed Tutorial website: <http://www.nlm.nih.gov/bsd/diged/pubmed.html>



COURSE POLICIES:

A. COURSE FORMAT:

This course will the following mode of teaching: formal and informal Lecture, discussion, debates, group project, hand on experience, role playing, etc.

EXAM FORMAT:

Written exams mainly consist of, but not limited to: one correct answer multiple choice questions, true/false, short notes (one sentence), matching, organize a list and fill in blanks (one word)

B. LATE ASSIGNMENTS/HOMEWORK POLICY OR MISSED QUIZZES/MIDTERM EXAMS:

- Late assignments/homework will be penalized by **5% reduction** in grade **per each passing day.**
- the instructor has the right to determine the method for midterm make up exam by:
 - increasing the percentage of the remaining exams to cover the missed exam
 - assigning the final exam a higher percentage to cover the missed exam
 - a make-up exam (not the original exam)
 - If the final is cumulative, the section relating to the missed examination material can be used as the grade for that missed exam.

C. ASSESSMENT TOOLS:

- Written Exams
- Assignments
- Project
- Informal presentations
- Criteria based evaluation
- Self assessment

D. GRADE POLICY AND DISTRIBUTION:

- **Lab Activities: 50%**
 - **DI weekly requests: 30 points**
 - **Assignments # 12 points**
 - **Phone calls 8 points**
- **Final DI lab: 10%**
 - **Two request will be given for each student**
- **Written Exams 40%**
 - **Written Exam 1 = 20%**
 - **topics covered include contents of week 2 through 7 (including lab activities)**
 - **Written Exam 2 = 20%**
 - **When: According to the College Final Exam Schedule**
 - **topics covered include contents of week 8 through 15 (including lab activities)**

***all grades of both written exams will be counted as grade of final exam (40 point)**

E. SUPPLEMENTAL MATERIALS:

To be determined and will be distributed in class

F. ATTENDANCE POLICY:

Attendance of this class is mandatory. Student should exercise punctuality in attending classes/labs. Instructor has the right to deny late comers from attending. Students missing 25% or more on attendance are forbidden from sitting for the final exam, per University Policy. Students have the right to present documents of proof for their absences. Students should submit such documents to College Academic Counsel to authenticate as per University Policy.

G. ACADEMIC DISHONESTY/PLAGIARISM

Students are expected to demonstrate professionalism and honesty during this course. Academic dishonesty includes, but is not limited to, cheating, plagiarizing, fabricating of information or citations, facilitating acts of academic dishonesty by others, having unauthorized possession of examinations, submitting work of another person or work previously used without informing the instructor, or tampering with the academic work of other students. Students found in violation of such policy are subjected to disciplinary actions as per University Policy.

H. PROTECTED HEALTH INFORMATION:

This course may require you to collect and evaluate patient specific information and data. This information should be handled with the utmost respect and privacy. If you have questions regarding this type of information at any time, please contact your Course Coordinator or instructor(s). **Patient confidentiality should be respected at all times. No excuses.**

I. SYLLABUS CHANGES

The instructor reserves the right to make changes as necessary to this syllabus. If changes are necessitated during the term of the course, the instructor will immediately notify students of such changes both by individual email communication and posting both notification and nature of change(s) on the course bulletin board.

J. COURSE EVALUATION

An evaluation of the full course and course faculty will be administered towards the end of the course. Additionally, individual instructors or module coordinator may ask for an evaluation of their lecture(s)/modules.

COURSE SCHEDULE / CALENDAR :

Wk #	Lect. #	Day	Date Hijri	Date G	Topics	Instructor	Important information of Lab activity
1	1	Sun	15-10	2 sep	Introduction/syllabus discussion	Lina Ashoor	
2	2	Sun	22-10	9 sep	Introduction to Drug Information Services and role of pharmacist	Lina Ashoor	
3	3	Sun	29-10	16 sep	Drug Information resources: Types of information literature: primary, secondary, tertiary	Lina Ashoor	
National day holiday							
5	4	Sun	14-11	30 sep	Drug Information resources: Types of information literature: primary, secondary, tertiary	Lina Ashoor	
6	5	Sun	21-11	7 oct	Systematic approach to Drug information request	Lina Ashoor	
7	6	Sun	28-11	14 oct	Systematic approach to Drug information request	Lina Ashoor	
HAJJ HOLIDAY							
10	7	Sun	19-12	4 nov	Primary drug information resources: Evaluating randomized controlled trials	Lina Ashoor	RCT evaluation assignment will be assigned
11	8	Sun	26-12	11 nov	Primary drug information resources: Evaluating randomized controlled trials	Lina Ashoor	Pubmed will be assigned
12	9	Sun	4-1	18 nov	Literature evaluation	Saja Almazrou	RCT evaluation assignment will be submitted and discussed
13	10	Sun	11-1	25 nov	Secondary drug information resources: IDIS, IPA, PubMed, OVID	Saja Almazrou	Pubmed will be submitted
14	11	Sun	18-1	2 dec	Clinical Application of Statistical Analysis	Saja Almazrou	
15	12	Sun	25-1	9 dec	Evidence based Medicine Resources	Saja Almazrou	
16	13	Sun	3-2	16 dec	Poison Information resources	Saja Almazrou	

Lab Calendar of Activities

Wk #	Lab. #	Day	Date Hijri	Date G	Lab Activities
1	1	Sat	14-10	1 sep	
2	2	Sat	21-10	8 sep	Introduction to DI lab, DI form, Book area, assigning groups, and introduction to general DI resources. Demonstrators will discuss AHFS, Clinical drug data, martindale and lexi. DI req: DEMO questions.
3	3	Sat	28-10	15 sep	Demonstrators will discuss USP DI, BNF, Facts and comparison and PDR DI req : focus questions on drug dosing in healthy subjects, dosage forms availability, and drug indications.
4	4	Sat	6-11	22 sep	Demonstrators will discuss Specialized resources: Drugs in preg/lact, Trissels, Pediatrics(Harrit lane), Sanford Guide, PDR (Herbal) DI req and 4: focus on pregnancy, IV, compounding, and geriatric dosing
5	5	Sat	13-11	30 sep	Demonstrators will discuss Micromedex and dosing tools. DI req : dosing in impaired organ functions, and dosing tools.
6	6	Sat	20-11	7 oct	Demonstrators will discuss lexi CD DI req : focus on drug interactions
7	7	Sat	27-11	14 oct	Demonstrators will discuss Poisoning resources DI request : focus on Identidex, focus questions on poison scenarios, and toxicity nomogram.
HAJJ HOLIDAY					
10	10	Sat	18-12	4 nov	Demonstrators will discuss IDIS data base. DI Req : focus on using IDIS RCT evaluation assignment will be assigned.
11	11	Sat	25-12	11 nov	Demonstrators will present a 40 min about PubMed data base. DI request 8: Students will be given their second assignment (PubMed) Phone Requests exercise 1.
12	12	Sat	3-1	18 nov	Demonstrators will discuss RCT evaluation .
13	13	Sat	10-1	25 nov	Demonstrators will discuss KSU data base, OVID, and PROQUEST
14	14	Sat	17-1	2 dec	Demonstrators will discuss Practical search in EBM literature. Phone Requests exercise 2
15	15	Sat	24-1	8 dec	Online drug information resources lecture and Website Evaluation exercise
16	16	Sat	2-2	16 dec	Final lab

All assignments are due within 2 weeks.

تعهد

الرقم الجامعي/أتعهد أنا الطالب/ة/

أنت المقرر و الواجبات و لمادة 328 صكل و فهمت متطلبي قرأت وصف المقرر بأن
أمل الصلاحية في تغيير و تعديل . وأن استاذة المقرر لها ك المتعلقة به المشاري
كما أتعهد بتسليم الواجبات في الموعد المحدد لها ك. امتحانات المادة حسب الحاجة لذل
التسليم سوف يخصص من درجة الواجب أو عن من قبل استاذة العمل وفي حال تأخري
عن العمل لا يحق لي تغيير كما أنه في حال المشروع 5% عن كل يوم تأخير.
(يسلم الطالب بتعويض النشاط العمل في حال إحضاري لتقرير طبي
يوضح سبب التغيب. لإستادة العمل)
لإستادة العمل كإكمال الحق بتحديد الطريقة المناسبة لتعويض النشاط العمل. و

توقي ع الطالب/ة/

التاريخ/