

Spring 1-2003

PHAR 372.01: Integrated Studies II

David S. Freeman

University of Montana - Missoula

Let us know how access to this document benefits you.

Follow this and additional works at: <https://scholarworks.umt.edu/syllabi>

Recommended Citation

Freeman, David S., "PHAR 372.01: Integrated Studies II" (2003). *Syllabi*. 4286.
<https://scholarworks.umt.edu/syllabi/4286>

This Syllabus is brought to you for free and open access by the Course Syllabi at ScholarWorks at University of Montana. It has been accepted for inclusion in Syllabi by an authorized administrator of ScholarWorks at University of Montana. For more information, please contact scholarworks@mso.umt.edu.

Course Coordinator:

David Freeman, Office – SB 308 Office Phone: 243-4772 E-mail:dfreeman@selway.umt.edu

Course Description:

Small group conferences designed to develop professional skills and integrate material from professional pharmacy courses.

Course Format:

1 credit: One 2-hour conference per week, 12 conferences per semester
8-10 students per conference section.

Grading: Pass/No Pass (P/NP)

*** ATTENDANCE AND PARTICIPATION ARE MINIMAL REQUIREMENTS
FOR A PASSING GRADE ***

*** EXCUSED ABSENCES MUST BE APPROVED BY COURSE COORDINATOR AND
BE MADE UP BY ATTENDING ANOTHER SECTION OF INTEGRATED STUDIES ***

Section 1: Monday, 1-3 p.m., SB 111
Section 2: Monday, 1-3 p.m., SB 102
Section 3: Tuesday, 1-3 p.m., SB 111
Section 4: Tuesday, 3-5 p.m., SB 111
Section 5: Wednesday, 1-3 p.m., SB 102
Section 6: Wednesday, 1-3 p.m., SB 111

Assessment:

1 = did not meet expectations

2 = met expectations

3 = exceeded expectations

Presentation: 1 2 3

Participation: 1 2 3

Application: 1 2 3

Goals:

1. Facilitate the development of professional skills needed to practice pharmaceutical care.

Communication skills

- a. Spoken
 - i) Small group discussion
 - ii) Argument/debate; formulating and defending opinions
 - iii) Counseling and patient education
- b. Written
 - i) Drug information responses
 - ii) Formal and informal consultations

Thinking skills

- a. Analytical skills
- b. Critical thinking
- c. Decision making

Problem solving skills

- a. Problem recognition
- b. Problem solving
- c. Implementing resolutions

Organizational skills

- a. Time management
- b. Data organization

2. Integrate and apply knowledge and information from various pharmaceutical disciplines.
3. Synthesize new information from existing knowledge to solve pharmaceutical care problems.
4. Illustrate the application of course work to pharmaceutical care situations.
5. Nurture a professional attitude and sense of responsibility to the patient.
6. Foster an independent and life-long learning style.

General Course Content:

DATES	TOPIC		
WEEK 1: JAN 27, 28, 29	Drug information databases workshop; students receive assignments on database searching		
WEEK 2: FEB 3, 4, 5	Student reports on database search assignments		
WEEK 3: FEB 10, 11, 12	Acid-Base cases; urine pH changes affecting drug reabsorption, carbonic acid buffering system, hyperventilation		
WEEK 4: FEB 17, 18, 19	MONDAY HOLIDAY - NO CONFERENCES		
WEEK 5: FEB 24, 25, 26	Solubility and partitioning; lipophilicity and ionization effects on solubility and absorption		
WEEK 6: MAR 3, 4, 5	Overview on absorption, distribution, metabolism, and elimination of drugs		
WEEK 7: MAR 10, 11, 12	Physiology, renal function and disease; indicators of kidney disease and urinalysis case studies		
WEEK 8: MAR 17, 18, 19	Pathophysiology and cardiovascular function; interpretation and discussion on a mini-case study		
WEEK 9: MAR 24, 25, 26	SPRING BREAK - NO CONFERENCES		
WEEK 10: MAR 31, APR 1, 2	Biochemistry, lipid and glucose metabolism; lab values and cardiovascular disease risk factors, cholesterol, fat, and healthy diets		
WEEK 11: APR 7, 8, 9	Parenterals; admixture worksheets, incompatibilities, discussions on sources of errors, and calculations		
WEEK 12: APR 14, 15, 16	Considerations for prescribing antibiotics; mini-cases involving uses of antibiotics, and calculations		
WEEK 13: APR 21, 22, 23	Endocrinology and Immunology; lab tests and values, and case studies involving prolactin, thyroid, and rheumatoid arthritis		
WEEK 14: APR 28, 29, 30	Pharmacy law and controlled substances; prescription refills and fraudulent prescriptions		
WEEK 15: MAY 5, 6, 7	LAST WEEK OF CLASSES - NO CONFERENCES		