Spring 1-2003

PHAR 372.01: Integrated Studies II

David S. Freeman
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PHARMACY 372 INTEGRATED STUDIES II SPRING, 2003

Course Coordinator:

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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 ABSENSES 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**