

UNIVERSITY OF UTAH

COLLEGE OF PHARMACY

ORIENTATION GUIDE

DOCTOR OF PHARMACY

PROGRAM

CLASS OF 2016

*University of Utah College of Pharmacy Professional Program
is accredited by the Accreditation Council for Pharmacy Education*

The University of Utah College of Pharmacy Professional Program(s) is accredited by the American Council on Pharmaceutical Education, 311 West Superior Street, Suite 512, Chicago, IL 60610, (312) 664-3575, (800) 533-3606.

The College of Pharmacy is committed to policies of equal opportunity and affirmative action and prohibits discrimination on the basis of race, color, national origin, religion, sex, sexual orientation, age, or status as Vietnam veteran, disabled veteran, or person with a disability. Evidence of practices not consistent with these policies should be reported to the Office of Equal Opportunity and Affirmative Action, 581-8365 (voice or TDD).

The University of Utah seeks to provide equal access to its program, services and activities for people with disabilities. If you will need accommodations in the class, reasonable prior notice needs to be given to the Center for Disability Services, 162 Olpin Union Building, 581-5020 (V/TDD). CDS will work with you and the instructor to make arrangements for accommodations. Students with disabilities should contact the Associate Dean for Academic Affairs in addition to CDS to arrange for reasonable accommodations in professional core and elective courses.

The information in this guide is current as of the time of printing, but is subject to change. Reasonable notice is given regarding changes in requirements or course work for the Pharmacy Professional Programs.

July, 2008

**University of Utah
College of Pharmacy
Office of Student Affairs**

Mission Statement

To support the academic enterprise and the professional growth and development of all students

Core Values

Students are why we're here

Excellence is the goal

Respect diversity of thought and perspective

Value teamwork

Integrity

Competence, communication, and civility

Evaluate and reevaluate

PLEDGE OF PROFESSIONALISM*

As a student of pharmacy, I believe there is a need to build and reinforce a professional identity founded on integrity, ethical behavior, and honor. This development, a vital process in my education, will help to ensure that I am true to the professional relationship I establish between myself and society as I become a member of the pharmacy community. Integrity will be an essential part of my everyday life, and I will pursue all academic and professional endeavors with honesty and commitment to service.

To accomplish this goal of professional development, as a student of pharmacy I should:

DEVELOP a sense of loyalty and duty to the profession by being a builder of community, one able and willing to contribute to the well-being of others and one who enthusiastically accepts the responsibility and accountability for membership in the profession.

FOSTER professional competency through lifelong learning. I must strive for high ideals, teamwork, and unity within the profession in order to provide optimal patient care.

SUPPORT my colleagues by actively encouraging personal commitment to the *Oath of Pharmacist* and a Code of Ethics as set forth by the profession.

INCORPORATE into my life and practice dedication to excellence. This will require an ongoing reassessment of personal and professional values.

MAINTAIN the highest ideals and professional attributes to ensure and facilitate the covenantal relationship required of the pharmaceutical caregiver.

The profession of pharmacy is one that demands adherence to a set of rigid ethical standards. These high ideals are necessary to ensure the quality of care extended to the patients I serve. As a student of pharmacy, I believe this does not start with graduation; rather, it begins with my membership in this professional college community. Therefore, I must strive to uphold these standards as I advance toward full membership in the profession of pharmacy.

* Adapted from the Pledge of Professionalism, developed and adopted by APhA-ASP and the American Association of Colleges of Pharmacy Council of Deans Task Force on Professionalism; June 26, 1994.

College of Pharmacy

Mission and Values

Mission Statement

The University of Utah College of Pharmacy supports the missions of the University of Utah and the University of Utah Health Sciences Center. The Mission of the University of Utah College of Pharmacy is to: 1) advance health care related to optimal medication outcomes through education and training; 2) discover, develop and disseminate new biomedical knowledge and technology; and 3) provide pharmacy-based services and outreach activities to the community.

Value Statement

Academic excellence will be pursued in an environment that respects the individual, instills integrity and professionalism, assures ethical behavior, promotes diversity, creates a desire for life-long learning, and recognizes the principle of academic freedom.

Goals of the Professional Curriculum

- Prepare pharmacists in a research-intensive, academic health center to be exemplary professionals who enable progress in healthcare by incorporating biomedical research advances into practice, serve as medication experts, and who advocate for and defend the public health.
- To educate and train clinical-scientists and clinician-educators to be effective leaders in academic pharmacy.

Outcomes of the Professional Curriculum

Graduates of the University of Utah Doctor of Pharmacy Program will be able to optimize patient-centered and population-based care in a variety of practice settings. Graduates shall be able to:

- Apply fundamental scientific, analytic and problem-solving skills to all areas of pharmacy practice
- Communicate effectively in both verbal and written formats
- Work collaboratively on healthcare teams
- Base patient care/practice decisions on sound science and best evidence
- Apply medication safety and quality-improvement principles to pharmacy practice
- Manage medication-use systems
- Promote public health and wellness
- Practice in an ethical, culturally aware and professional manner
- Demonstrate a commitment to continuous professional development and leadership

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INTRODUCTION

The Doctor of Pharmacy is a professional degree offered through the University of Utah Graduate School and the College of Pharmacy. Students are admitted into the Doctor of Pharmacy (Pharm.D.) Program by the Graduate School upon the recommendation of the College of Pharmacy Admissions Committee. Admission is competitive and recommendations for admission are based on the written applications, academic records, and interviews. The Pharm.D. Program is administered by the College of Pharmacy through the Dean's Office.

The Pharm.D. Program integrates didactic course work and experiential education to enable each student to acquire the necessary foundation to provide pharmaceutical care to patients throughout their professional careers. The concepts and philosophy of patient-oriented pharmaceutical care in interdisciplinary health care systems are hallmarks of the program.

Students acquire advanced knowledge and skills in the pharmaceutical sciences to enable them to provide drug information to patients and health professionals, practice effectively on interdisciplinary health care teams, conduct drug usage evaluations, participate in drug management decisions and promote rational therapeutics in various health care settings. Clerkships provide experiential training in general and specialized practice sites within hospitals, ambulatory clinics and other health care institutions, as well as in various community settings. Students gain an understanding of how a clinical pharmacy service interrelates with other pharmacy services and health care services as well as promoting effective health, wellness, and disease preventing services and health policy. The knowledge and clinical skills acquired during the Program enable graduates to design and implement innovative, effective and cost-effective pharmaceutical care for their patients, and to effectively communicate with other health care professionals and patients to assure their patients receive high quality health care.

**DOCTOR OF PHARMACY
PROGRAM**

PROFESSIONAL CURRICULUM Requirements for Class of 2016*

Curriculum subject to revision

*Students must complete the curriculum that is current for their class.

FIRST PROFESSIONAL YEAR (2012 - 2013)

Fall Semester

- __ Physiological Chemistry I (MD CH 5110) (4)
- __ Profession of Pharmacy (PCTH 5112) (3)
- __ Intro Practice Experience (PCTH 5113) (2)
- __ Basic Pharm Sci (PHARM 5113) (3)
- __ US Health Care Policy (PCTH 5114) (2)
- __ Drug Lit Evaluation I (PCTH 5116) (3)

Semester Credit Hours: 17

Spring Semester

- __ Physiological Chemistry II (MD CH 5120) (3)
- __ Pathophysiology (PH TX 5121) (5)
- __ Drug Lit Eval. II (PCTH 5125) (3)
- __ Comm Agency Practicum (PCTH 5124) (3)
- __ Elective(s) (1-3)

Semester Credit Hours: 14-17

SECOND PROFESSIONAL YEAR (2013 - 2014)

Fall Semester

- __ Organic Medicinal Chem I (MD CH 5210) (2)
- __ Pharmacology I (PH TX 5211) (4)
- __ Pharmacy Management (PCTH 7123) (2)
- __ Dosage/Drug Delivery (PHCEU 5125) (4)
- __ Pharmacy Law & Ethics (PCTH 7313) (3)
- __ Elective(s) (1-3)

Semester Credit Hours: 15-18

Spring Semester

- __ Organic Medicinal Chem II (MD CH 5220)(2)
- __ Pharmacology II (PH TX 5221) (4)
- __ Disease & Drug Therapy I (PCTH 5222) (5)
- __ Compounding & Drug Delivery Systems (PCTH 5226) (3)
- __ Elective(s) (1-3)

Semester Credit Hours: 14-17

Summer Semester

- __ Core Community Clerkship** (PCTH 7401) (4)
- __ Core Institutional Clerkship** (PCTH 7402) (4)
- __ Elective(s) (2-3)

Semester Credit Hours: 8-11

THIRD PROFESSIONAL YEAR (2014 - 2015)

Fall Semester

- ___ Community Practice (PCTH 7314) (3)
- ___ Pharmacokinetics (PHCEU 7315) (2)
- ___ Disease & Drug Therapy II (PCTH 7312) (6)
- ___ Clinical Toxicology (PCTH 7315) (2)
- ___ Clinical Seminar (PCTH 7100) (1)
- ___ Elective(s) (1-3)

Semester Credit Hours: 14-17

Spring Semester

- ___ Intro to Clinical Clerkships (PCTH 7321) (3)
- ___ App Clin Pharmacokinetics (PHCEU 7316) (2)
- ___ Disease and Drug Therapy III (PCTH 7322) (5)
- ___ Physical Assessment (NURS 6021) (2)
- ___ Herbal Medicines (PCTH 7201) (2)
- ___ Clinical Seminar (PCTH 7100) (1)
- ___ Elective(s) (1-3)

Semester Credit Hours: 15-18

FOURTH PROFESSIONAL YEAR (2015 - 2016)

Summer Semester (2014)

- ___ Adult Medicine Clerkship (6)
- ___ Ambulatory Care Clerkship (6)
- ___ Advanced Community Clerkship (6)

Semester Credit Hours: 18

Fall Semester

- ___ Clinical Information Services Clerkship (6)
- ___ Advanced Health Systems Clerkship (6)
- ___ Clinical Seminar (PCTH 7200) (2)

Semester Credit Hours: 14

Spring Semester

- ___ Elective Clerkship (6)
- ___ Elective Clerkship (6)
- ___ Clinical Seminar (PCTH 7200) (2)

Semester Credit Hours: 14

* Curriculum subject to revision. Students must complete the curriculum that is current for their class.

PROFESSIONAL CURRICULUM

COURSE DESCRIPTIONS

FIRST PROFESSIONAL YEAR

FALL SEMESTER – P1

17 semester credit hours

Medicinal Chemistry 5110

4 credit hours

Physiological Chemistry I: *An introduction to acid-base theory; amino acid structure and metabolism; enzymes and coenzymes; carbohydrate and lipid structure and metabolism; nutrition.*

Pharmacotherapy 5112

3 credit hours

Profession of Pharmacy: *Introduction to the roles of pharmacists, the prescription process, legal, regulatory and ethical issues, terminology, methodology and dosage forms. Taught as Writing Emphasis.*

Pharmacotherapy 5113

2 credit hours

Introduction to Practice Experience: *An introduction to the concepts of pharmacy practice through practiced, simulated, and actual community practices. Must have a valid intern's license. Counts towards experiential hours.*

Pharmacy 5113

3 credit hours

Basic Pharmaceutical Sciences: *Course introduces and integrates basic concepts in medicinal chemistry, pharmacology, pharmaceuticals and drug therapy. Emphasizes understanding the fundamental concepts in the basic pharmaceutical sciences and their impact on drug therapy and pharmaceutical care.*

Pharmacotherapy 5114

2 credit hours

U.S. Health Care Policy: *Profession of pharmacy, its position and purpose in the health care system and its responsibility to patients. Taught as Writing Emphasis.*

Pharmacotherapy 5116

3 credit hours

Drug Literature Evaluation I: *Fundamentals of drug literature evaluation, introduction to drug information in the tertiary literature, primary literature identification, evaluation of primary literature including sources of bias, confounding, hypothesis testing, randomized clinical trials, meta-analysis, non-inferiority trials. Taught as Writing Emphasis. .*

SPRING SEMESTER – P1

14-18 semester credit hours

Medicinal Chemistry 5120

3 credit hours

Physiological Chemistry II: *Continuation of MD CH 5110. Structure of nucleosides, nucleotides, and nucleic acids, nucleic acid and protein synthesis, genetic engineering, molecular biology, pharmaceutical biotechnology.*

Pharmacology and Toxicology 5121

5 credit hours

Pathophysiology: *Pathological processes of common diseases amenable to drug therapy. Review of structure and function of major organ systems.*

Pharmacotherapy 5124

3 credit hours

Community Agency Practicum: *A continuation of Pharmacotherapy 5114 implementing patient care responsibility by the pharmacist.*

Pharmacotherapy 5125

3 credit hours

Drug Literature Evaluation II: *A continuation of PCTH 5116 from fall semester.*

Electives

1-3 credit hours

SECOND PROFESSIONAL YEAR

FALL SEMESTER – P2

17-18 semester credit hours

Medicinal Chemistry 5210

2 credit hours

Organic Medicinal Chemistry I: *Chemical and physical properties, structure-activity relationships of organic medicinal compounds.*

Pharmacology and Toxicology 5211

4 credit hours

Pharmacology I: *Pharmacological effects of drugs selected for their clinical significance. Physicochemical principles that influence drug effects; drugs affecting the autonomic and central nervous systems; anticonvulsant and analgesic agents.*

Pharmacotherapy 7313

3 credit hours

Pharmacy Law and Ethics: *General legal principles; Federal, and Utah pharmacy regulations and laws; Controlled Substances regulations and laws; Introduction to Ethical Dilemmas in Pharmacotherapy.*

Pharmacotherapy 7123

2 credit hours

Pharmacy Management: *Personal, personnel and pharmaceutical distribution management in various Pharmacotherapy settings.*

Pharmaceutics and Pharmaceutical Chemistry 5125

4 credit hours

Dosage Forms and Drug Delivery Systems: *Physicochemical approach to stability and performance of pharmaceutical dosage forms. Mathematics, thermodynamics, colligative properties, solubility, chemical equilibrium and kinetics. Emphasis on interfacial phenomena as applied to pharmaceutical dosage forms including suspensions, emulsions, creams, ointments and advanced delivery systems.*

Electives

1-3 credit hours

SPRING SEMESTER – P2

16-17 semester credit hours

Medicinal Chemistry 5220

2 credit hours

Organic Medicinal Chemistry II: *Continuation of MD CH 5210. Chemical and physical properties, structure-activity relationships of organic medicinal compounds.*

Pharmacology and Toxicology 5221

4 credit hours

Pharmacology II: *Continuation of PH TX 5211. Anticonvulsant and analgesic agents and drugs acting on cardiovascular and renal systems; antibiotics, drugs acting on endocrine systems, and cytotoxic agents.*

Pharmacotherapy 5222

5 credit hours

Diseases and Drug Therapy I: *Taught as Writing Emphasis. Introduction to pathophysiology of disease states and their treatment with drugs.*

Pharmacotherapy 5226

3 credit hours

Pharmaceutical Compounding & Drug Delivery Systems: *Principles and techniques of sterile and non-sterile compounding, record keeping, and patient counseling.*

Electives

1-3 credit hours

SUMMER SEMESTER – P2

8-11 semester credit hours

Pharmacotherapy 7401*

4 credit hours

Core Community Clerkship: *Practice-based experience at a community site.*

Pharmacotherapy 7402*

4 credit hours

Core Institutional Clerkship: *Practice-based experience at an institutional site.*

Electives

2-3 credit hours

* Pharmacotherapy 7401 (Core Community Clerkship) and 7402 (Core Institutional Clerkship) must be taken during Summer Semester 2013.

THIRD PROFESSIONAL YEAR

FALL SEMESTER – P3

14-17 semester credit hours

Pharmacotherapy 7312

6 credit hours

Diseases and Drug Therapy II: *Continuation of PCTH 5222.*

Pharmacotherapy 7314

3 credit hours

Community Practice: *Delivery of pharmaceutical services to the community; didactic material and case studies involving patient profiles, compliance, over-the-counter medications, prescription accessories, and patient counseling.*

Pharmacotherapy 7315

2 credit hours

Clinical Toxicology: *An overview of the clinical manifestations, assessment tools and treatment of common drugs, chemicals and biologic agents. Students will recognize the toxicological manifestations of unintentional or intentional misuse of drugs, be able to assess the potential severity of an exposure and to understand the principles involved in the management of a poisoned patient.*

Pharmaceutics 7315

2 credit hours

Pharmacokinetics: *Design of dosage regimens in selected disease states. Role of pharmacokinetics in individualized drug therapy.*

Pharmacotherapy 7100

1 credit hour

Clinical Pharmacy Seminar: *Seminars in pathophysiology, drug therapy of specific disease states and other topics relevant to clinical practice. Students observe this semester.*

Electives

1-3 credit hours

SPRING SEMESTER – P3

15-18 semester credit hours

Pharmacotherapy 7321

3 credit hours

Introduction to Clinical Clerkships: *Fundamentals of reviewing patient medical records, establishing patient data base, constructing drug-therapy problem list, designing and recommending a pharmaceutical care plan, monitoring care plan.*

Pharmaceutics 7316

2 credit hours

Applied Clinical Pharmacokinetics: *Application of principles of pharmacokinetics and pharmacodynamics to the individualization of pharmacotherapy.*

Pharmacotherapy 7322

5 credit hours

Diseases and Drug Therapy III: *Continuation of PCTH 7312.*

Nursing 6021

2 credit hours

Adult Physical Assessment and Health Promotion: *Advanced health assessment emphasizing the processes and techniques of general screening and evaluating health status of asymptomatic adult clients, including risk assessment, risk reduction, and wellness promotion. Communication techniques, health maintenance protocol, and effect of support systems, personal health beliefs and lifestyle as determinants of health status considered.*

Pharmacotherapy 7201

2 credit hours

Herbal Medicines: *General principles of natural products. Chemistry and herbal medicines including regulatory situation, public perceptions, etc. Survey of top 20 herbal products including chemical constituents, historical and current uses, clinical pharmacology and potential adverse events.*

Pharmacotherapy 7100

1 credit hours

Clinical Pharmacy Seminar: *Seminars in pathophysiology, drug therapy of specific disease states and other topics relevant to clinical practice. Students will present their first seminar.*

Electives

1-3 credit hours

FOURTH PROFESSIONAL YEAR (SAMPLE SCHEDULE)*

In general, core clerkships are completed during summer and fall semesters. Elective clerkships may also be completed during this time. Any remaining core or elective clerkship requirements are completed spring semester of the final year. Each student must sign up for 3 clerkships in Summer Semester and 2 clerkships each in Fall and Spring Semesters.

SUMMER SEMESTER – P4 (Example only)

18 semester credit hours

Pharmacotherapy 7403 – 7406

6 credit hours

Acute Medicine Clerkship: *Advanced clinical clerkship emphasizing drug-related problems and their management in an inpatient setting.*

Pharmacotherapy 7510 – 7511

6 credit hours

Ambulatory Care Clerkship: *Advanced clinical clerkship emphasizing drug-related problems in chronic disease states in outpatients.*

Pharmacotherapy 7601

6 credit hours

Advanced Core Community Clerkship: *required for doctor of pharmacy students who have completed the core community clerkship.*

FALL SEMESTER – P4 (Example only)

14 semester credit hours

Pharmacotherapy 7602

6 credit hours

Advanced Core Institutional Clerkship: *required for doctor of pharmacy students who have complete the core institutional clerkship*

Pharmacotherapy Clerkship 7410 – 7411

6 credit hours

Medical information retrieval: *advanced clerkship emphasizing the retrieval, analysis and dissemination of medical information to patients and healthcare professionals.*

Pharmacotherapy 7200

2 credit hours

Clinical Pharmacy Seminar: *Seminars in pathology, drug therapy management, therapeutic controversies and other topics relevant to clinical practice. Students will present their second seminar.*

SPRING SEMESTER – P4 (Example only)

14 semester credit hours

Pharmacotherapy 7602

6 credit hours

Advanced Health-Systems Clerkship: *further enhance students' skills in systems management, patient safety/medication safety practices and quality improvement initiatives.*

Pharmacotherapy Elective Clerkship

6 credit hours

Subspecialty clerkship: *An advanced clerkship in a variety of clinical settings, that builds upon already established skills and knowledge.*

Pharmacotherapy 7200

2 credit hours

Clinical Pharmacy Seminar: *Seminars in pathology, drug therapy management, therapeutic controversies and other topics relevant to clinical practice. Students advise P-3 students who will be presenting their first seminar. * Also includes the interdisciplinary clinical experience component.*

*Curriculum subject to revision. Students must complete the curriculum that is current for their class.

ELECTIVE REQUIREMENTS

TOTAL OF 9 SEMESTER CREDIT HOURS OF APPROVED ELECTIVES

1. A total of nine (9) semester credit hours of approved elective courses (5000 or above) are required for the Doctor of Pharmacy Program. A minimum of four (4) hours need to be in the College of Pharmacy. Up to three (3) hours of an approved elective course completed with a satisfactory grade before admission into the Professional Program may be used towards fulfilling the elective requirement. The course must have been completed within one year prior to admission to the Professional Program and not used in fulfillment of another degree or major. Students must petition, in writing, to their assigned Mentor to accept such course work. The letter should include the benefits achieved from the course that can be applied to enhance the student's understanding of pharmaceutical sciences and/or delivery of pharmaceutical care. Evidence of satisfactory completion of the course should be enclosed with the petition.
2. One camp experience, 2 credit hours each, (choose from: PCTH 5644 Diabetes Camp, PCTH 5645 Cancer Camp, PCTH 5646 Asthma Camp) may be taken towards partial fulfillment of the elective requirement.
3. Elective credit may be received for independent study, research, or special projects through the PCTH 5950, 7950 and 7970, and MD CH 5990, PHCEU 5960, 6960 and 7960 and/or PH TX 5990, 6910, 6920, 7910 and 7920 courses. The student and instructor determine the objective and specific aims of the project that are to be achieved and the representative credit hours to be received. Credit hours may range from 1 to 3 semester credit hours. Proposals must be submitted to the Scholastic Standards Committee for approval at least one month prior to registration for the course.
4. Elective credit may also be received by enrolling in the courses required for earning a graduate Certificate in Public Health offered through the Division of Public Health in the Department of Family and Preventive Medicine. (Please see Pages 18-19 for details.)
5. Courses not included on the suggested elective course listing may be considered for elective credit by the student's assigned Mentor. *Such courses must be 5000 or higher, contribute to the student's knowledge of pharmaceutical sciences and/or enhance his/her ability to deliver pharmaceutical care and does not duplicate currently covered topics in the core curriculum.* Students must petition their assigned Mentor, in writing using the form on Page 17, to consider additional courses for elective credit. The petition should include the course title, course number, credit hours as well as a description of how the course will expand the student's knowledge in the pharmaceutical sciences and/or ability to deliver pharmaceutical care. Students should petition the Committee at least one month prior to registering for the course.

COLLEGE OF PHARMACY ELECTIVES

PCTH 5230 (1-2) *Service Learning Elective*
Sem: F/S/U. Prereq.: Instructor Consent

PCTH 5950 (2 to 4) *Special Problems in Pharmacotherapy* Sem.: F/S/U. Prereq.: Instructor Consent.

PCTH 5640 (2) *Continuing Education*
Sem.: S/F/U. Prereq.: Professional Pharmacy student. (See next page for course description)

PCTH 5641 (2) *Introduction to Nuclear Pharmacy*
Sem: S. Prereq: Professional Pharmacy student.

PCTH 5644 (2) *Diabetic Camp*
Sem.: U. Prereq.: Instructor Consent.

PCTH 5645 (2) *Cancer Camp*
Sem.: U. Prereq.: Instructor Consent.

PCTH 5646 (2) *Asthma Camp* Sem.: U.
Prereq.: Instructor Consent.

PCTH 7150 (2) *Pharmacotherapy Outcomes Research Elective*
Sem.: S. Prereq: Third Year Pharmacy Student or Graduate Student in Health Sciences

PCTH 7430 (2) *Advanced Law Seminar*
Sem: S. Prereq: PCTH 7313.

PCTH 7434 (2) *Palliative Care: An Interdisciplinary Approach*
Sem: S. Prereq: Third or fourth year pharmacy student.

PCTH 7436 (2) *Ethical Dilemmas*
Sem: F. Prereq: Professional Pharmacy or Graduate Student.

PCTH 7447 (1 or 2) *Outreach Poison Prevention Education.*
Sem.: F/S. Prereq.: Professional Pharmacy student.

PCTH 7XXX (6) *Core Clerkships.*
Sem.: F/S/U. Prereq.: Please contact Dr. Elizabeth Young, Assistant Dean for Experiential Education.

MD CH 5990 (1 to 4) *Special Problems in Medicinal Chemistry.*
Sem.: F/S. Prereq.: Instructor Consent.

PH TX 5990 (1 to 3) *Special Problems in Pharmacology*
Sem.: S. Prereq.: Instructor Consent.

PH TX 7100 (2) *Advances in Endocrine Pharmacology*
Sem.: F. Prereq.: Pathophysiology, pharmacology

PHCEU 5960 (1 to 3) *Special Problems in Pharmaceutics*
Sem.: F/S. Prereq.: Professional Pharmacy student.

PCTH 5640 (Continuing Education) is offered to facilitate the student in developing a pattern of behavior which seeks to improve one's professional base of information outside the classroom and to reinforce the concept of lifelong learning. It is hoped that students will be able to obtain experience preparing reports on continuing education programs attended, discuss information and gain insight about a number of topics which are not normally covered in other classroom activity, interact with practitioners who have a high regard for maintaining and improving their professional expertise, and understand the role which continuing education and continuing professional development plays in the practice of pharmacy. The course is graded on a credit/no credit basis.

To help achieve these goals, students are required to attend 30 contact hours of **"LIVE"** continuing education sponsored by the College of Pharmacy or other American Council on Pharmaceutical Education (ACPE) approved providers. Online or reading based programs are not acceptable for credit in this course. At least 15 of the 30 contact hours must be obtained by attending College of Pharmacy programs. For a College of Pharmacy program, the student must complete and turn in a written summary of the program content which outlines each speaker's presentation and what they learned from the speakers. When a student wishes to receive credit for attending a program that is not sponsored by the University of Utah College of Pharmacy but is sponsored by another ACPE approved provider (i.e., Utah Society of Health-Systems Pharmacists (USHP), American Society of Health System Pharmacists (ASHP) or the American Pharmaceutical Association (APhA), the student must show verification of attendance (i.e., a Statement of Credit from the program provided) and write a paper in the same manner as for UU CPE programs. The summary is to be written as if they are going to present the information from the program to their peers in a work environment.

For further information please contact:

Mark A. Munger, Pharm.D.

mark.munger@pharm.utah.edu

SUGGESTED ELECTIVE COURSES OUTSIDE THE COLLEGE OF PHARMACY

Up to five (5) semester hours from departments or colleges outside of the College of Pharmacy may be used to fulfill the elective requirement. Electives taken while enrolled in the Pharm.D. Program must be graduate level (5000-7000) courses.

FAMILY AND PREVENTIVE MEDICINE

FP MD 6300 (3) *Introduction to Epidemiology*

FP MD 6405 (2) *Health Services Research*

FP MD 6500 (2) *Introduction to Public Health*
Prereq.: FP MD 6100 and 6300.

FP MD 6502 (2) *International Public Health Issues*

FP MD 6700 (2) *Environmental Health Problems*

GERONTOLOGY

GERON 5001 (3) *Introduction to Gerontology*

GERON 5002 (3) *Service Agencies and Programs for the Elderly*

GERON 5003 (3) *Research Methods in Aging*

GERON 5005 (3) *Race, Ethnicity, and Aging*

GERON 5050 (3) *Survey of Gerontology*

GERON 5220 (3) *Caregiving and Aging Families*

GERON 5320 (3) *Death, Dying, and Bereavement*

GERON 5370 (3) *Health and Optimal Aging*

GERON 5390 (2) *Geriatric Care Management*

HEALTH PROMOTION AND EDUCATION

H EDU 4180 (3) *Prevention: Substance Abuse and Violence*

H EDU 4790 (3) *Health Service Administration*

H EDU 5300 (3) *Diversity and Health*
Satisfies Diversity Requirement.

H EDU 5370 (3) *Health and Optimal Aging*
Cross listed as GERON 5370.

H EDU 5450 (3) *Health Care Financial Management*

H EDU 5480 (2) *Seminar-Alcohol & Drugs Summer* workshop for community leaders and those interested in drug issues.

NUTRITION

NUTR 5320 (3) *Nutrition for Exercise and Sport* Recommended Prereq: NUTR 1020 or 2440 and either ESS 3091 or 4300/3094.

NUTR 5340 (3) *Nutrition and Women's Health* Recommended Prereq: NUTR 1020 or 2440.

NUTR 5350 (3) *Eating Disorders: Prevention and Treatment.* Cross listed as H EDU 5350.

NUTR 5360 (3) *Weight Management* Recommended Prerequisite: NUTR 1020 or 2440 and ESS 2791 and H EDU 4250.

NUTR 5380 (3) *Understanding Dietary Supplements.* Recommended Prereq: NUTR 1020, 2440, or 3010.

Elective Approval Form

Date of Request: _____ Projected Graduation Date: _____

Student Name: _____ Mentor Name: _____

Elective Course Name: _____

Elective Course Number: _____ Department: _____

Write a 400-600 word statement about how this course helps to fulfill educational and professional career goals:

(Please sign in front of your mentor.)

Student Signature: _____ Date: _____

I, _____, have read the above student's statement and agree with this course as an elective towards the PharmD. Degree.

Witnessed by Mentor (Signature): _____ Date: _____

Electives must be 5000 or higher and must be applicable to your pharmacy career goals. The course must be taken for a letter grade. Please return this form to the Office of Student Affairs the same day it is signed. Failure to do so may affect your graduation status.

Certificate in Public Health

The Division of Public Health in the Department of Family and Preventive Medicine is pleased to announce a new graduate Certificate in Public Health.

The Public Health Certificate gives students the potential to understand the opportunity and connection public health has in an array of fields such as biostatistics, social behavior, epidemiology, policy and administration and environmental public health through research, service and education. Also, the Certificate will provide local professionals working in the field of public health an opportunity to seek training and certification that will directly impact how they address public health issues in their current professions.

The admission requirements for the Certificate in Public Health (CIPH) are:

Application deadlines are:

Fall July 1

Spring December 1

Summer April 1

Not enrolled in Graduate Program

1. Have an undergraduate degree from an accredited college with an above 3.0 GPA
2. If you are not already enrolled in a graduate program you must apply through the Admissions office <http://www.sa.utah.edu/admiss/index.htm>
 - a. Apply as seeking Second Bachelor's degree
 - b. At the end of the application in the comment box write/type **Certificate in Public Health**
3. Submit a letter of intent not to exceed 500 words and a cover page that includes the following to Courtney.demond@utah.edu:
 - a. your full name,
 - b. contact information,
 - c. University of Utah ID number and
 - d. undergraduate degree to
4. After I receive 2 & 3, we can set up a meeting to review the Certificate requirements.

Enrolled in Graduate Degree Program

1. Have an undergraduate degree from an accredited college
2. Submit a letter of intent not to exceed 500 words and a cover page that includes, your full name, contact information, University of ID, undergraduate degree, and graduate degree program to Courtney.DeMond@utah.edu.
3. After I receive 2 & 3, we can set up a meeting to review the Certificate requirements.

For additional information or to submit your letter of intent please contact Courtney DeMond, Courtney.Demond@utah.edu or 801-585-6225

Successful completion of the Certificate in Public Health will require a minimum of 15 required credit hours.

Certificate in Public Health Program Schedule

Student Name: _____ Student ID Number: _____

Student Phone: _____ Email: _____

Home Department/Program (if applicable): _____

Home Degree: _____

Course Prefix & Number	Title &	Credit Hours	Semester Courses are offered (subject to change without notice)
FP MD 6100	Biostatistics	(3)	Fall T & H 9:00-10:20 Spring (online)
FP MD 6300	Epidemiology	(3)	Fall M & W 9:00-10:20 Spring T & H 9:00-10:20
FP MD 6400	Public Health Policy & Administration	(3)	Fall Tues 6-9
FP MD 6600/6650	Social Context in Public Health	(3)	Fall (online & in class) 10:30-1:20 Spring 10:30-1:20 Summer Exect. (in class)
FP MD 6700	Environmental Public Health	(3)	Spring M & W 4-5:20
	Total Number of Credits	15	

Planned Completion Semester and Year: _____

Student Signature and Date: _____

Home Department/Program Advisor Signature and Date: _____

Program Coordinator Signature: _____

DOCTOR OF PHARMACY / DOCTOR OF PHILOSOPHY PATHWAY

The Departments of Medicinal Chemistry, Pharmaceutics & Pharmaceutical Chemistry, Pharmacology and Toxicology, and Pharmacotherapy together with the Dean's Office, have developed a pathway for students who are interested in simultaneously pursuing a Pharm.D and a Ph.D. This program is intended for students who are interested in a career in basic or clinical research. It is constructed to intersperse the core curriculum requirements of the Ph.D. program into the curriculum of the Pharm.D. program, making course substitutions where feasible. In doing this, we minimize curriculum redundancy between the two programs while ensuring that the student is adequately prepared for the demands of both degree programs.

During the joint program pathway, students undertake research in the summers between their P1-P3 years, depending on when the student is admitted into the Ph.D. program pathway. Students are also expected to use at least one clerkship rotation for research. The program is structured so that students can take their Ph.D. qualification exams during their P3 year and their pharmacy licensure exam at the normal time after completion of the P4 year. Following P4 year, the students engage in full time research to complete the Ph.D. program.

Students who are interested in pursuing this pathway may apply to both programs simultaneously. However, the student must first gain admission to the College of Pharmacy Pharm.D. program before they can be accepted into the Ph.D. program pathway. We encourage students to study the Ph.D. pathway carefully before making a decision as to the joint program or which program of study, so that most students will choose a Ph.D. pathway in their P2-P3 years. Students are accepted into the Ph.D. program if the student meets the program admissions criteria and there is appropriate research mentoring and support for the student. Interested students should contact the Director of Graduate Admissions in the chosen department for application procedures and information. The College provides a stipend for tuition and fees during the P4 year.

P-SURF PROGRAM

Pharmacy Student Summer Research Fellowship Program

Purpose: To provide P1 professional students currently enrolled in the PharmD program with an intensive, introductory research experience with faculty in the College of Pharmacy. These summer research experiences can serve as a formal rotations if the student successfully enters the PharmD/PhD pathway in any of the departments within the college.

Who is eligible: Students who have successfully completed their P1 year in the PharmD professional program and entered with a Bachelor's degree. Students interested in the combined PharmD/Ph.D. pathway are required to apply if they cannot document significant formal and relevant research experience. Students may only be accepted to the program once.

How to apply: Applicants will provide the following: 1) Curriculum Vitae; 2) undergraduate/PharmD transcripts 3) an essay explaining why they want to participate in the program, what they hope to gain, their career goals, how the summer research would apply to those goals including intended research areas and up to 3 College mentors. Applications will be due on February 15th, 2012 and reviewed by the College of Pharmacy Research and Graduate Committee. Awardees will be notified by the Associate Dean for Academic Affairs in late March or early April.

Stipend: Up to five competitive fellowships per summer will be awarded to qualified applicants. The stipend for each student for 40 hours per week in the lab for a 10-week period (late May through early August) will be \$4000. Opportunities will exist in all of the College departments, and students may identify possible mentors through a CoP research rotation booklet. A \$500 supplies stipend will be provided from the CoP Associate Dean for Academic Affairs to the faculty mentors to offset expenses.-

Program: An Orientation meeting will be held in late May to provide the fellows a background, expectations, and deliverables from the fellowship. A mandatory participation in a college-wide symposium will be held at the end of the summer (usually the first week of the Fall Semester) in which fellowship students will present their findings.

The program of study will be at the discretion of the Mentor. Mentoring meetings will be held at least every other week during the summer to discuss the various graduate programs, other College faculty research opportunities, career development, and to build camaraderie. Students should interact socially with Juan Diego summer high school students and Pharm/Tox ASPET SURF fellows with an occasional pizza lunch, hike, etc.

PROFESSIONAL EXPERIENTIAL PROGRAM (PEP)

OVERVIEW

Your instruction in the College of Pharmacy can be divided into two broad areas, didactic instruction (classroom) and pharmacy practice experiences (clerkships). Student surveys indicate that students highly value experiential opportunities early in the curriculum. They feel these experiences better prepare them for their future career; they gain opportunities to learn more about the profession; they gain experience interacting with patients and other health care professionals; and they become more familiar with therapeutic recommendations and guidelines. In addition, the ACPE Standards that the College is guided by has supported the student's observations by requiring that pharmacy students receive experiences as soon as possible in the first year of their curriculum; that these experiences build upon what is learned in the didactic curriculum; and that they are longitudinal.

The College Professional Experiential Program (PEP) may be thought of as a continuum of educational activities beginning with the Introductory Pharmacy Practice Experiences (IPPE) that are tied to various courses and provide students the opportunity to achieve the professional competencies necessary for the Advanced Pharmacy Practice Experiences (APPE). The latter experiences consist of full-time clerkships in a variety of professional settings in the last professional year.

The success of students in the professional experiential program, and in the curriculum as a whole, also requires proficiency in various computer competencies including word processing, spread sheets and data analysis, internet browsers, e-mail, graphics and presentation software and reference and citation management software. These competencies are described more fully in another portion of the orientation manual.

PHARMACY PRACTICE EXPERIENCE LEARNING OUTCOMES

The College of Pharmacy has developed a set of curricular outcomes that we believe students will have achieved at the end of the Doctor of Pharmacy program. These outcomes can be reviewed on Page iv of this manual. The introductory practice experiences are designed to help students achieve these outcomes through some of the following learning activities:

1. Processing and dispensing new/ refill medication orders
2. Conducting patient interviews
3. Creating patient profiles using the information obtained
4. Responding to drug information queries.
5. Interacting with other health care professionals.
6. Participating in educational offerings designed to benefit the health of the general public.
7. Interpreting and evaluating patient information.
8. Triaging and assessing the need for treatment or referral, including referral for a patient seeking pharmacist-guided self-care.
9. Identifying patient specific factors that affect health, pharmacotherapy, and/or disease state management.
10. Assessing patient health literacy and compliance.

11. Performing calculations required to compound, dispense and administer medications.
12. Administering medications.
13. Providing point-of-care and patient-centered services.
14. Conducting physical assessments.
15. Preparing and compounding extemporaneous preparations and sterile products.
16. Communicating with patients and other health care providers.
17. Interacting with pharmacy technicians in the delivery of pharmacy services.
18. Documenting interventions in patient records in a concise, organized format that allows readers to have a clear understanding of the content.
19. Presenting patient cases in an organized format covering pertinent information.
20. Billing third parties for pharmacy services.

COURSES

The instructional design of the IPPE involves a series of experiences along with didactic courses that begin in the first semester of the first professional year and continue each semester thereafter until the student begins the APPE Program. The specific courses containing components of the IPPE and a description of how they address the above competencies are described below.

Introduction to Profession of Pharmacy (PCTH 5112)

This course is taught in the first semester of the first professional year. The class includes didactic lectures and discussions on a variety of topics, and self-directed learning. The two major goals of the course are to develop a basic understanding of opportunities in pharmacy practice and to develop the various basic skills necessary to practice the profession of Pharmacy. This is done through a series of didactic lectures, discussion, and self study. Lectures and discussions include basic law, pharmacy practice act and rules, responsibilities of pharmacists and interns, ethics, substance abuse, communication skills, pharmaceutical care, generic drugs, professionalism, the history of pharmacy, and pharmacist opportunities. A major component of the course is to begin the professionalization process that starts with their transition from pre-pharmacy student to student pharmacist and to pharmacist. Students complete Pharmacist interviews which serve as the basis of a class discussion. Medical terminology and calculations are largely learned through completion of self study materials with quizzes, tests, and in the case of calculations, a final exam.

U.S. Health Care Policy (PCTH 5114)

This class also is taught in the first semester of the first professional year. The class includes a student-centered, problem-based approach to learning through the use of didactic lectures, group discussions and case studies. Reading assignments from current news events area designed to enable students to integrate class information with real life experiences with the human side of the health care system. Lectures focus on the social, political, historical, economic and epidemiological aspects of financing the provision of health care to diverse populations in the US. The course begins on the macro level with a focus on how health care in the US is financed, both currently and historically, with specific emphasis on understanding issues such as Medicare, Medicaid and private insurance impacts on access to health care and prescription drugs for diverse populations. The social role of the US pharmaceutical industry in

development and affordability of prescription drugs is also incorporated. The inter-relationships between government (federal and state), health insurers and the pharmaceutical industry and their impact on providers and the practice of health care are explored. Pharmaceutical care is discussed, not as a definition, but more as a way of practice to assume ethical and moral responsibilities on behalf of patients. Numerous traditional and non-traditional practice areas are reviewed, each with their own unique contribution to the practice of pharmaceutical care. Theories of patient behavior in the use of Western medical care are also discussed, with an emphasis on incorporation of non-western and other cultural methods of health care practices. Quality of life issues related to chronic and terminal illness are also discussed with an emphasis on caring when curing is not possible.

Quizzes are used to insure that students remain current on class readings and discussions.

Community Agency Practicum (PCTH 5124)

This course is taught in the second semester of the first professional year as a follow-up to PCTH 5112 and PCTH 5114, and provides 30 hours toward the 300 curriculum-required Introductory Pharmacy Practice Experience (IPPE) hours.. Students will be encouraged to apply skills learned in PCTH 5112 and PCTH 5114 in real life situations as part of hands-on experiences with community agencies and their clients that will help you to become a successful pharmacist. This course will also help you to become aware of agencies in the community that may help you serve your patients as a practicing pharmacist. In PCTH 5114, students are taught in principle about diversity and patient preferences related to various medical and health care system needs; in PCTH 5124, students act on these principles first-hand.

Students select a student partner and community agency with whom to work for the semester. Agency partners will guide you and your classmate in understanding the medical and social needs of their clientele. In a reciprocal fashion, students will learn the relevance of pharmacy practice nuances from both clients and agency representatives. This course also builds on principles of communication skills and the introductory ability to work with patients that was introduced in PCTH 5112, because students must utilize communication skills in order to be successful working with a community agency and their clients.

Compared to many other first year pharmacy courses, this class and the experience you will have are unique both nationally and at the University of Utah. This course is taught using Service-Learning as its foundation. Service-Learning is an innovative method of instruction that assumes your life experience is the foundation for how you learn. The life experiences you brought with you to the Pharmacy curriculum are essential to recognize and build upon as you become a pharmacist and caring health professional. In this course, students learn through active participation in thoughtfully organized partnerships with community-based agencies. As such, service experiences have been mutually developed by the College of Pharmacy and a number of community-based social and health service agencies to be conducted in and meet the needs of you, the community agencies' clients, and the curriculum.

The required weekly lecture and reflection opportunities will integrate outside and inside class experiences. In addition to the coursemaster, guest lecturers will be invited to present information about unique areas of community need, service, and the relationship between agencies and clients who potentially benefit from their services. Client populations encountered as part of this course include a

diverse group in the context of their community. For example, agency clients with chronic diseases such as diabetes, cancer, blindness, may also be classified as “low-income” or a member of an immigrant culture. Your experience with an individual will help you to better understand how to provide pharmaceutical care that is relevant, meaningful, and appropriate in the context of the community. In groups, students will also present information about their community partner and assigned client(s) to their peers. Weekly lectures will also encourage thoughtful student participation.

Students are given ample time to reflect upon their experiences throughout the course, and journals serve as one method of documenting what you are learning. At the end of the semester, all students write a final reflective, analytical report that identifies what was learned that will change how you approach professional practice as a pharmacist relative to patients in your community. Several times during the semester, students will also have the opportunity as part of class to meet with community agency representative to discuss successes and concerns that may arise in the course of the student/client interactions.

In summary, this course is designed to enable students to better understand how community agencies meet community-determined, patient-centered needs and may also serve as a referral base and professional partner for you as a pharmacist. Students will leave the class with:

- Increased confidence about their communication skills;
- A better understanding of the role of community agencies in supporting the role of the pharmacist in the community;
- An increased sense of civic responsibility and personal experience with pharmacist-health care professional service expectations from patients;
- The hands-on, demonstrated ability to work with and understand the needs of diverse populations in the context of their community; and
- The ability to recognize and recommend various community agencies to future patients.

Drug Literature Evaluation I (PCTH 5116) and II (PCTH 5125)

These courses are taught during the first and second semesters of the first professional year. The goal of the series is to give students the skills necessary to retrieve and evaluate the medical literature, and apply the information to solving patient-specific and other clinical problems. The course covers topics in 4 different areas: Drug Information, Epidemiology, Biostatistics, and Communication, both written and verbal and with both patients and professionals. This course series helps fulfill the University requirements for writing intensive courses and quantitative intensive courses within the student’s major.

In the first semester, students will begin learning about the types of drug information sources, which sources answer which types of questions, and how to approach answering drug information questions accurately and efficiently. Students will also learn how to conduct computerized searches of the medical literature, compare and contrast online resources to printed resources, and evaluate drug information resources on the Internet. Students critically evaluate the information retrieved. Students will also be introduced to Epidemiology with lectures on experimental studies such as *randomized controlled clinical trials*. Students will be introduced to Biostatistics as they learn the features of statistical tests that are used in experimental studies including data types, distribution types, and *univariate tests*. Students will develop the skills to read an article from an experimental study and analyze the strengths and weaknesses of the study based on the methods, statistics used, and evaluation of the results. Students

will develop critical-thinking skills, forming their own conclusions about study results that are independent of the authors' opinions.

In the second semester, students will continue their studies of Epidemiology and Biostatistics as they learn about *observational study designs* and the features of statistical tests and techniques applied in those types of studies, including *multivariable tests*. They will practice reading and interpreting the results of *cohort studies*, *case-control studies*, *cross-sectional analyses*, and *pharmacoeconomic studies*. They will analyze the strengths and weaknesses of the studies based on the methods, statistics used, and evaluation of the results, forming independent opinions about the studies' results. Students will also develop their written and oral communication skills as they write patient education materials, write materials in the biomedical style, and prepare and give presentations in class.

Pharmaceutical Compounding and Drug Delivery Systems (PCTH 5226)

This course is an important component in helping students develop the pharmaceutical compounding knowledge and skills outlined above and in preparation for the institutional and community clerkships. The class consists of two lectures and one three-hour laboratory session each week.

Over the years the class has evolved from a rudimentary compounding class to one that now teaches contemporary pharmacy compounding, including sophisticated parenteral dosage forms. Several lectures are devoted to pharmacy calculations dealing with both sterile and non-sterile products. The non-traditional sequence of lectures in this class is a result of student evaluations and requests to schedule the "hard" material early in the semester. The evolution of the class also includes a significant number of lectures on sterile products and sterile compounding. Lecture topics precede the laboratory in which the students compound the dosage form which maximizes the learning opportunity.

Students are required to know the basics of intravenous drug administration, aseptic technique, and devices (e.g. piggy-back, CRIS, syringe pump, etc., and intravenous catheters). This knowledge allows students to communicate with other health care professionals regarding the best method of administering intravenous drugs. The students are required to pass a written exam dealing with USP <797> Pharmaceutical Compounding Sterile Preparations and a media-fill test before any institutional externship.

The second part of the laboratory deals with basic compounding skills of traditional dosage forms, (e.g. suppositories, ointments, suspensions, troches, capsules, etc). The students are instructed on how to read compounded prescription orders and how to prepare the product so that bioavailability is maximized. An emphasis is placed on the science of compounding rather than the art of compounding. Traditional Latin abbreviations used in prescription writing are being replaced with common terminology to reduce medication errors. Students are required to prepare the products and to counsel the teaching assistants as if they were the patient. The class teaches the use of open-ended questions when counseling to elicit more involvement from the simulated patient.

PHARMACY PRACTICE EXPERIENCES*

All Doctor of Pharmacy students must complete a minimum of nine pharmacy practice experiences, two of which are introductory pharmacy practice experiences. All experiences, except for the core community and institutional clerkships are graded by letter grade. The introductory core community and institutional experiences are graded credit/not credit. All students are required to complete an experience within a medically underserved/rural area. This may be completed in either the summer between the P2 and P3year, or the P4 year.

Introduction to Professional Experiential Program PCTH 5113

This course is the experiential component of PCTH 5112. It provides the student with an introduction to the profession of pharmacy through a variety experiences within workshops and practice settings. The focus of this course is to provide the students with the foundational skills for interviewing and counseling patients, to promote the role of pharmacists as stewards of public health, and to introduce students to problem-solving and critical thinking analysis. Students participate in both simulated and actual experiences to practice and build their skills. The first part of the semester is spent learning patient interviewing and counseling concepts. Students are introduced to disease management principles and practice using point-of care devices. Students are responsible for learning the Top 200 Drugs outside of class. These medications are incorporated into the workshops. A weekly quiz will be given to assess the student's learning. During the latter half of the semester, students visit a community pharmacy site where they observe and participate in such activities as brown bag sessions, medication histories, dispensing activities, and have a variety of assignments. Both the simulated and actual experiences will be reflective of didactic lectures from the Intro to Pharmacy Practice course. Information taught and learned in this course will be used in the quizzes given in the Intro to Profession of Pharmacy course. There are total of 30 hours of professional practice experience within this course.

Second Professional Year: Community Clerkship and Institutional Clerkship (PCTH 7401 and PCTH 7402)

Students will take the core community (PCTH 7401) and core institutional clerkship (PCTH 7402) the summer after completing their second professional year. These are a continuation of the introductory pharmacy practice experiences started in the first professional year. Students are placed in community and hospital pharmacy sites for 4-week blocks in which they further apply the skills and knowledge learned throughout their first two professional years. The Community Clerkship is a practiced-based experience either at a chain pharmacy setting or an independent-owned pharmacy. The Institutional Clerkship is a practiced-based experience within a hospital setting. While these experiences continue to develop the student's clinical problem solving skills, the main focus of these rotations is to teach the student about drug distribution systems, law requirements and safe medication practices that are unique to these settings. Students build on verbal communication skills learned in PCTH 5112 and 5113 by interacting more extensively with health care providers and patients in both the institutional and community settings under the guidance of faculty preceptors. Students' written communication skills are continued to be developed as well during these clerkships. Students perform medication histories and document the provision of medication therapy management services during the community clerkship. Most students are asked to make a formal in-service presentation to nursing and/or pharmacy staff during their institutional clerkship.

Fourth Professional Year: Advanced Pharmacy Practice Experiences (PCTH 7000 series)

Students must have satisfactorily completed their IPPEs and their third professional year coursework as discussed in the “Academic Standards” section before they can advance into the Advanced Pharmacy Practice Experience Program.

The final professional year consists of seven advanced pharmacy practice experiences in a variety of ambulatory, acute care and other professional practices. Each experience is six weeks in length. The emphasis is becoming proficient in direct patient care and problem-solving skills. In addition, students will complete a medical information retrieval clerkship as one of the required seven experiences.

The seven advanced pharmacy practice experiences include five clerkships in the following areas:

1. **Adult Medicine Clerkship** (one clerkship from PCTH 7000 series): *Advanced clinical clerkship emphasizing the identification of drug-related problems and the management of disease states in an inpatient setting.*
2. **Ambulatory Care Clerkship** (one clerkship from PCTH 7000 series): *Advanced clinical clerkship emphasizing the identification of drug-related problems and the management of disease states in an outpatient setting.*
3. **Clinical Information Services Clerkship** (one from list below):
 - a. PCTH 7410 - Drug Information Clerkship: *Advanced clerkship emphasizing providing comprehensive drug information;*
 - or**
 - b. PCTH 7411 - Clinical Toxicology Clerkship: *Advanced clinical clerkship emphasizing the management of poisonings;*
 - or**
 - c. PCTH 7857 - Pregnancy Risk Line Clerkship: *Advanced clinical clerkship emphasizing the management of drug exposures during pregnancy or lactation.*
4. **Advanced Community Clerkship** (PCTH 7601): *Advanced clinical clerkship within a community practice that emphasizes the delivery of safe medication practices.*
5. **Advanced Health-Systems Clerkship** (PCTH 7602): *Advanced clinical clerkship within various health-systems that emphasizes management issues of the system.*

AND

Two (2) elective experiences are also required. These may include:

1. **Pharmacotherapy (7000 series)**
Advanced Sub-Specialty Clerkship: Advanced clerkship emphasizing Pharmacotherapy in a specific sub-specialty.
2. **Pharmacotherapy (7000 series) Acute Medicine Clerkship/Ambulatory Care Clerkship** (up to three from series): *Advanced clinical clerkship emphasizing drugs in management of disease states seen in an inpatient setting. Site must be different from that of the required APPE above.*

Clinical independent study and/or research experiences may be scheduled in lieu of one of the elective clerkships. Non-research, independent study elective clerkships are six (6) week experiences that can be developed by the student to allow them to pursue an area of study that is not offered by the College. This clerkship must be preapproved by the Asst. Dean of Experiential Education. A research-based elective clerkship may also be scheduled as a six (6) week experience within other departments of the College (Pharmaceutics, Med Chem), subject to pre-approval of the instructor.

***Curriculum subject to revision. Students must complete the curriculum that is current for their class.**

STUDENT RESPONSIBILITIES DURING CLERKSHIPS

1. Students should assume increasing responsibilities for care of patients on their clinical clerkships as they progress through the experiential program.
2. Students are expected to actively participate in the team meetings, rounds and other interdisciplinary conferences that occur on the clinical services of their rotations.
3. Students are expected to identify therapeutic problems as well as present seminars and lectures to the medical, nursing and pharmacy staffs on these problems.
4. Students, with preceptor oversight, should report to the Drug Information Center any medication errors, adverse drug reactions, drug defects, unusual occurrences involving drugs and incidents involving drugs that occur on services designated as inpatient or outpatient clerkship sites at the University Hospital. These reports will be completed according to the current procedures of the Department of Pharmacy Services of the University Hospital. For clerkships at other institutions please complete reports according to their procedures.
5. Attendance at the clerkship site is expected typically Monday - Friday; however, weekends may be required by faculty preceptors. Acceptable reasons for absences include illness, injury, or family funeral. Students should verbally contact faculty preceptors in advance or as soon as possible to explain the circumstances for their absence. The faculty preceptor will determine the course of action for making up missed time.
6. Written requests are required for any absence exceeding two days during any clerkship, with verbal notification as early as possible. Students must submit the written request including the reason(s) for the absence and the course(s) of action for making up missed time as agreed to by the faculty preceptor to the Assistant Dean of Experiential Education. Any unauthorized absences from clerkships may result in academic sanctions by the Scholastic Standards Committee in consultation with the faculty preceptor.
7. Students requesting time away from clerkships for residency, fellowship or employment interviews or meetings during the clerkship must discuss the dates of the anticipated absence with their respective faculty preceptors as soon as possible during the academic year. The faculty preceptor will determine the course of action necessary to make up the time.
8. All clerkships are a minimum 40 hours per week (no more than 10 hours/day). Please note that holidays are not included in the 40 hours. Students should adjust the clerkship hours for the remainder of the week accordingly. Students often opt to schedule "library time" or "project time" on the holiday, depending upon the clerkship's requirements.
9. At the beginning of the clerkship, after meeting with the faculty preceptor, students will complete a **Student Calendar** that lists hours/days on the clerkship and goals for that clerkship. Students will also complete the **Student Self-Assessment of Skills and Clinical Knowledge** at

the beginning and end of the clerkship. These forms are found in the Professional Experience Program manual, given out at the end of your second professional year. The completed forms should be filed with the PEP office by Thursday of the first week of the clerkship

- .10 At the conclusion of the clerkship, students will complete an evaluation form for that experience (i.e., regarding the clerkship and faculty preceptor). Evaluations are emailed out electronically upon completion of the clerkship to the students. Students who do not receive an evaluation should contact either Mike Cameron for APPE Clerkships or Meagan Rockne for IPPE Clerkships. **It is the student's responsibility to contact these individuals if they do not receive the evaluation. Students not completing an evaluation will be given a grade of an incomplete for that clerkship.**
11. **At the midpoint and at the conclusion of the clerkship, students are responsible for scheduling a meeting with the faculty preceptor to discuss their progress and evaluation by the preceptor.** The faculty preceptor then completes the written student evaluation, which should be provided to PEP office within seven (7) days of completing the clerkship. Every effort should be made to complete this evaluation by the last day of the clerkship. Students are responsible for assuring that all required evaluation forms have been turned in. Incompletes (I) will be assigned for clerkships until all evaluations are received.

STUDENT REQUIREMENTS FOR CLERKSHIPS

1. Intern License

A current copy of your Utah state intern license is required prior to starting on any professional experiences. Please provide a copy to Meagan Rockne (IPPE) or Mike Cameron (APPE).

2. Health Insurance Portability and Accountability Act (HIPAA)

All students are required to provide “Certification of Completion of UUHSC HIPAA Privacy and Security Training” by 5:00pm September 7, 2010 to Meagan Rockne. **Students must complete the U’s HIPAA, even if they have done one from their employer.**

3. Immunizations

All students beginning clerkships must provide documentation of the following immunizations:

Vaccine	Dose	Frequency	Comments
Tetanus/diphtheria/Pertussis (combined booster – Tdap)	One booster	See comments	Tetanus booster every 10 years; Pertussis is only once. You may receive the Tdap regardless of when you last received your tetanus booster.
Hepatitis B	Three doses @ 0, 1-2, 4-6 months	Once	Begin series upon admission to COP.
MMR	Two doses after 12 mos. of age given 1 month apart if after 1970	Once	If after 1957, another dose of MMR required. Before 1957 is considered immune.
PPD (Tb) skin test	“Two-step test” initially, then one	Annually or current to one month before start of clerkships	If PPD is positive, then a copy of most recent chest x-ray is required.
Varicella (Chicken pox)	Two doses	Once	Immunity must be proved by providing age when you had the disease, or documentation of a positive antibody test.
Influenza*	One	Annually	Recommended.

*Recommended

Please provide updated information to Meagan Rockne (IPPE) or Mike Cameron (APPE). Students who do not have the required immunizations completed one month prior to starting on their clerkships will not be allowed to participate on the clerkship. The Student Health Service can provide any required immunization or antibody titer testing. Please call them at 801-581-6431 for cost information.

4. BLS Certification

Current BLS (Basic Life Support) Certification is required prior to starting clerkships in the P2 and P4 years. BLS certification courses are offered at hospitals and various programs throughout the Salt Lake Valley. Scheduling the BLS course is left to the student during the second year of the program (Fall or Spring semester). Students must provide a copy of their certification card either Meagan Rockne or Mike Cameron. Students must keep this certification current through their course of study at the College of Pharmacy.

5. Background Checks

Students may be required to repeat background checks prior to starting clerkships. Sites may require background checks if previous background checks are a year old. The cost of the background check is the responsibility of the student.

Faculty Mentorship Program for Professional Students

A formal mentorship program is in place to assist each professional student in understanding the Pharm.D. Professional Program, learning about the pharmacy profession, and as a guidance source for any aspects of their life that may affect their professional studies or pharmacy career.

Each P1, P2, and P3 student will be assigned a mentor that they will be expected to meet with, at least **once**, per fall and spring semesters. In most instances, the mentor will remain the same throughout the course of the student's professional studies. The Student Affairs Office can aid in setting up the meeting between the mentor and the student in the Fall semester of their P1 year. After the meeting date and time has been arranged, the student is expected to attend the meeting. If the student is not able to make the meeting they are expected to contact the mentor directly to arrange another date and time. **These meetings are mandatory during the first two years of the professional program. Thereafter, they are at the discretion of the student.**

If the student wishes to meet with their mentor more than once per semester they are welcome to take advantage of this opportunity. Any subsequent meetings after the first meeting will need to be set up by the student with the mentor.

If a student wishes to change mentors they must state their reasons why in writing to the Associate Dean for Academic Affairs. Efforts will be made to accommodate these requests.

Each student should come to the meeting with his or her mentor prepared to talk about his or her experience in the professional program or any pharmacy related matters.

Criminal Background Checks for All Professional Students

In addition to a background check conducted by Certiphi, Inc. during your admission process, the Division of Professional and Occupational Licensing (DOPL) requires that all professional pharmacy personnel (Pharmacists, Interns, and Technicians) submit fingerprint cards in a form acceptable to the Division at the time of internship licensure application and consent to a fingerprint background check by the Utah Bureau of Criminal Identification and the Federal Bureau of Investigation regarding the application.(Utah Code: 58-17b-307).

This DOPL background check will occur at the time of admission to the College of Pharmacy for the purposes of receipt of a pharmacy internship license. The State of Utah Pharmacy Internship License is mandatory for formal acceptance into the University of Utah College of Pharmacy and to begin coursework in the professional program.

If a student has been accused or convicted of a felony or misdemeanor in the past five years, the student should discuss this issue **immediately** with the Associate Dean for Academic Affairs.

Criminal background checks may also occur during the P1 year for participation PCTH 5124 (Community Agency Practicum), and for participation in institutional clerkships, and in the P3 and P4 year for participation in the Advanced Pharmacy Practice Experiences. If a student has been accused or convicted of a felony or misdemeanor during their professional career at the University of Utah they should discuss this issue **immediately** with the Associate Dean for Academic Affairs.

Clickers

The University of Utah College of Pharmacy utilizes an Audience Response System (also known as “clickers”) in the classroom. Education research suggests that clickers can increase learning because they are student-centered, increase student interaction, and provide quick in-class assessments for the student and instructor. The college requires all students in P1-P3 years have clickers. The University of Utah has adopted the Turning Technologies Response Card/Response Ware Audience Response System. Incoming P1 students will purchase clickers associated with PCTH 5112 and maintain them through the end of the P3 year. Some instructors may use the Audience Response System to grade throughout the course. See individual course syllabi for additional information.

Students are required to do the following:

- Maintain your clicker in good working order (batteries charged, etc.)
- Use ONLY YOUR registered clicker
- Register your clicker with your instructor (when applicable)
- Bring your clicker to class every day (may vary by course/instructor)

Any student using another person’s clicker is violating the University’s academic honesty policy (see Student Code). All students involved in such academic misconduct, including the original owner as well as the unauthorized user of the clicker, are subject to academic sanctions (see Student Code).

The cost of a new clicker is approximately \$60 (prices subject to change). Used clickers may be available at the main bookstore for a discounted price.

For more information about clickers, go to the Clicker Resources at Instructional Media Services on the University of Utah Website, <http://ims.utah.edu/clicker/>

College of Pharmacy Drug Testing Policy

****Student Information Sheet****

The College of Pharmacy supports the University of Utah Health Sciences Center Drug Testing Policy (<http://www.admin.utah.edu/ppmanual/2/2-12-1.html>) and the University Drug-Free Workplace Policy (<http://www.admin.utah.edu/ppmanual/2/2-12.html>). Faculty, staff, and students in the College are informed of these policies with the understanding that individuals working in a patient-sensitive area may be subjected to a drug test if there is reasonable suspicion of a drug loss or diversion event. Be aware that you may affiliate with clinical settings other than the University of Utah that have a drug testing policy that differs from the University of Utah Health Sciences Center Drug Testing Policy. However, if you are on university business (for example, clinical rotations), whether you are on or off campus, you are subject to the University of Utah Health Sciences Center Drug Testing Policy.

Policy

It is the policy of the University of Utah Health Sciences Center and the College of Pharmacy to maintain a drug-free workplace to establish, promote, and maintain a safe and healthy environment for patients and a safe and healthy working and learning environment for employees, students, and volunteers. It shall be a violation of this policy for any covered individual to engage in the unlawful manufacture, distribution, dispensation, possession, or use of a controlled substance at the workplace, including being under the influence or impaired at the workplace, while engaged in university business on or off campus, or in any manner that violates criminal drug statutes. Unauthorized use or possession of alcohol at the workplace, including being under the influence or impaired by alcohol at the workplace, or while engaged in university business on or off campus is also prohibited. By establishing a program to determine whether covered individuals are engaged in substance abuse, the University of Utah Health Sciences Center and the College of Pharmacy seek to prevent the risks associated with such abuse.

Application

This policy applies to University of Utah Health Sciences Center faculty, staff, students, and volunteers who are in patient-sensitive positions. *Patient-sensitive position* is defined as "...a position involving patient contact, patient diagnostic or therapeutic functions, or a position in which the individual works in or has job- or education-related access to patients or patient care areas." These individuals are referred to as "covered individuals."

Process

Faculty, staff, and students that fulfill the requirements of a covered individual will be subject to a drug test when a situation of reasonable suspicion of a policy violation exists or a drug loss or diversion event occurs. Specific steps must be followed to carry out the drug test. All information relating to a drug test will be maintained separately from a student's academic file.

Disciplinary Action for Students

Students failing a drug test will discontinue all job- or education-related patient contact. Action by the Associate Dean for Academic Affairs will be based on the results of an investigation and on existing university policies and procedures. A failed drug test may result in sanctions including suspension in accordance with UU-PPM 8-10 (Code of Student Rights and Responsibilities; <http://www.admin.utah.edu/ppmanual/8/8-10.html>).

The complete University of Utah Health Sciences Center Drug Testing Policy is available from the Dean's Office upon request.

Weapons on Campus

The Campus Security Task Force was appointed by President Young to address concerns regarding campus safety in the face of news reports about violence and weapons on college campuses. One of its charges was to provide some guidance to the campus community regarding weapons.

With two exceptions, the University of Utah does not allow lethal weapons on campus – that policy applies to firearms, knives, explosives, or other items whose central purpose is inflicting harm on others. The two exceptions to this policy are the firearms carried by law enforcement officers and concealed weapons carried by lawful permit holders. Those persons who have a permit to carry a concealed weapon must keep their weapons concealed while on campus.

Faculty, staff, or students may become aware of the presence of a weapon in their immediate vicinity either by happenstance as when a concealed weapon is momentarily visible or through deliberate action of the possessor. In either event, the advice of law enforcement experts is the same – stay calm and avoid confrontation whenever possible.

Nobody other than an official law enforcement officer should ask the possessor of a weapon whether he/she has a concealed carry permit. Trained peace officers are the right people to deal with this issue.

In all situations – **STAY CALM – AVOID CONFRONTATION** if at all possible

1. If a weapon is not being brandished in a threatening manner, there is no reason for you to become directly involved with the weapon. This is true whether it is openly visible or only briefly exposed. If you have any concern about the weapon's presence, then
 - a. make note of the identity of the possessor
 - b. call 585-2677 (5-COPS) or 9-911
 - c. do not ask the possessor for a weapon permit

2. If a weapon is being brandished in a threatening manner or the possessor seems unstable, then
 - a. **STAY CALM** – do not make the situation worse by confrontation if it can be avoided
 - b. call 585-2677 (5-COPS) or 9-911

3. If you are threatened directly or if violence erupts, then
 - a. **STAY CALM**
 - i. take evasive action
 - ii. do not enter any area without knowing what is there
 - iii. use self-defense methods only to the extent that you are familiar or comfortable with them
 - iv. look for the most solid protection available (e.g., prefer solid wood furniture over drywall)
 - b. call 585-2677 (5-COPS) or 9-911

Student Complaints Relating to ACPE Standards

The University of Utah College of Pharmacy provides each professional student the ability to lodge complaints about the professional program regarding the Accreditation Council on Pharmacy Education (ACPE) Standards. Any professional student can provide a written complaint to the College about any accreditation standard (<http://www.acpe-accredit.org/deans/standards.asp>), student rights to due process, or any other unresolved issue. The College of Pharmacy is committed to resolving all complaints by due process in a timely manner.

Policy: The College of Pharmacy has an obligation to conduct its affairs with honesty and frankness. Any student enrolled in the College of Pharmacy's professional programs has the right to lodge a complaint against the College or the pharmacy program that is related to ACPE standards, policies, or procedures. Student complaints will be taken seriously and will be responded to by the College in a timely manner following a process that is fair and equitable to all parties and consistent with University policy. Copies of the ACPE standards are available to all College personnel in the Dean's Office or can be accessed on-line at <http://www.acpe-accred.org/>.

Procedures: The method to register complaints is an on-line submission at <http://www.pharmacy.utah.edu/studentinfo/complaints/>. Anonymous or identified complaints are acceptable. The complaint will be reviewed by the Associate Dean for Academic Affairs, who will acknowledge in writing receipt of the complaint and establish a file for the complaint within two (2) business days. The file will be kept separate from student academic records or faculty/staff personnel records. If a complaint is filed anonymously, it should be understood that addressing the complaint may be difficult without providing enough detail in the complaint to allow the College of Pharmacy to adequately understand the complaint. We therefore strongly encourage providing your name.

The Director of Student Affairs in association with the Associate Dean will promptly initiate an investigation and determine the facts surrounding the complaint by whatever means are appropriate to the specific complaint. This may include, but is not limited to, interviewing students, faculty, faculty preceptors, teaching assistants, administrators, and/or staff; gathering written forms of evidence; eliciting a written response from knowledgeable individuals or those involved in the complaint; accessing records; meeting with faculty committees; consulting with University General Counsel or other university personnel. Requests for confidentiality by the complainant will be respected to the extent any such information is not necessary for the resolution of the complaint. Based on this investigation, the Associate Dean will make a determination about the validity of the complaint and respond to the complainant in writing. If the complaint is viewed as invalid, the complaint will be terminated. If the complaint is viewed as valid, the Associate Dean will propose one or more steps to resolve the situation. The steps for resolution will be clearly articulated with specific time lines for completion and must be agreed to in writing by the complainant and all individual parties, if any, involved in the resolution. Unless exceptional circumstances exist, the time frame for investigation and resolution will be no more than six (6) months from the date of the original written complaint.

The determination of validity or the steps for resolution may be appealed to the Dean by any party involved in the complaint or in the resolution. An electronic written appeal will be submitted to the Dean within fifteen (15) business days from the date of the written response from the Associate Dean. The Dean will review documents and procedures and decide on the outcome of the complaint within

thirty (30) days from the date of the written appeal. The Dean's decision is final.

Records: A complete file will be maintained for each complaint that contains the written complaint, a written record of each step taken to investigate and resolve the complaint, and the outcome of the complaint, except as otherwise prohibited by state or federal law. The complaint files will be made available for inspection by the ACPE during on-site evaluations or otherwise at ACPE's written request.

The Associate Dean for Academic Affairs also meets with all respective P1-P4 SAC leaders on a semester basis. All complaints, including accreditation standards issues, can be registered with the SAC leaders to be addressed with the Director of Student Affairs or the Associate Dean for Academic Affairs.

COLLEGE OF PHARMACY

WHAT TO EXPECT WHEN TAKING AN EXAM

Maintaining the integrity of all written examinations in the College of Pharmacy is an important responsibility for faculty and students alike. Below are common sense guidelines that faculty will follow when giving exams and that students should expect when taking them. The objective of these guidelines is to provide a positive and secure testing environment where the opportunity for cheating or disruption is minimized and the opportunity for best performance is maximized.

In order to establish a positive, secure, and respectful testing environment, here are some practices for students to expect when taking exams in the College of Pharmacy:

1. Expect your professors to clearly articulate testing policies and procedures early in the semester and before each exam. If you have a question, ask!
2. Many exams will be held in the auditorium because it gives more space to spread out. Regardless of where an exam is given, you should spread out as much as possible, leaving open seats between each student, as well as open rows if possible, which help the instructor get to you when you have questions. Expect instructors to ask you to move around a bit to maximize spacing or for special needs.
3. Be prepared to put all backpacks, book bags, purses, briefcases, notebooks, and other personal items in the front, back, or sides of the room. Nothing should remain in the seating area. This includes bulky coats, scarves, gloves, and baseball caps or other hats. A light jacket or sweater may be kept with you in case the room temperature changes, but don't take it personally if an instructor asks about it.
4. Arrive no later than 5 minutes after the scheduled time of the examination to minimize disruption. If a student arrives later than 5 minutes after the start of the test (tests in the hands of all students), the course-master has the discretion to allow the student to take the test, adjust the test score as he/she deems appropriate, or deny the student the ability to take the test, assigning a grade of "0".
5. Don't expect to rummage around in your personal belongings during an exam. Be prepared with whatever you might need (extra pens/pencils, water bottle, medication, scratch paper if permitted) at the start.
6. Turn off all electronic devices, including cell phones, pagers, PDAs, radios, CD or MP3 players, calculators, and computers, to avoid disruption during the test. Secure the devices in your backpack or coat; do not leave them in your pockets or on surrounding seats.
7. Calculators may be required or permitted for an exam. Depending on the nature of the exam, you may be able to use any calculator of your choice. Other times, you may be provided a simple, standard model. Your professor will provide precise information about the use of calculators well in advance of the exam.
8. Expect to see one or more proctors during an exam. These individuals will be moving quietly and continuously around the room. If you have a question, raise your hand and someone will come to

you.

9. Keep your test papers flat and follow other good test-taking behaviors.
10. Turn in your exam before collecting your personal belongings. Do this quietly if the exam is still in progress to minimize disruption.
11. If you have a documented learning (or other) disability that affects test taking, talk with your instructor ahead of time about required accommodations. Disabilities must be established through appropriate channels at the Center for Disability Services (<http://disability.utah.edu/>) and must be documented in writing. Any information about disabilities and/or testing accommodations will be kept strictly confidential. Instructors will not discuss the situation with other faculty (unless required for educational purposes) or in front of other students. Talk with your instructors early in the semester so that appropriate arrangements can be made.
12. If you have a medical condition or unusual circumstances that require special arrangements during an exam, talk with the instructor before the exam date. Do not appear at an exam and surprise the instructor with special requirements or demands.
13. The Director of Student Affairs is your resource in the Dean's Office for questions or concerns.

The bottom line: Your professors should discuss testing policies and procedures early and often with you to avoid any surprises and to provide expectations. If you have special needs or unusual circumstances for an exam, talk with your instructor ahead of time. Again, the point is to provide a positive and secure testing environment where the opportunity for cheating or disruption is minimized and the opportunity for best performance is maximized.

COMPUTER INFORMATION

It is recommended that students should bring their own computer systems for academic use. To which the next questions are always "What do I need?" "What should I buy?"

A laptop is recommended over the current selection of tablet systems that are available. We don't have a favorite manufacturer to recommend, so you may want to check with the University Book Store for the current student discount pricing on systems. Here are some issues to keep in mind:

- ✓ Make sure the computer has a current supported operating system, such as Windows XP, Windows 7, or Mac OS/X. (Windows 98, NT and Mac OS 9 are not recommended nor are supported at the University of Utah)
- ✓ The Hard Drive should be at least 120 GB in size or larger, a CD/DVD drive, and Wireless Network capable. (b/g/n, WPA2 compliant)
- ✓ Have some way to backup your data, either by USB Memory Stick or External Hard Drive system.

Recommended Software should also be installed:

We recommend you install a modern version of Office software that you'll use to read/make documents, spreadsheets, and presentations. (Office 2010, Word Perfect or Open Office)
Also needed is software to read .PDF documents. (Adobe .PDF reader)

University of Utah Required Software:

The University Security Office requires that all systems accessing the University networks must have an Anti-Virus program installed and kept up-to-date.

Restricted Software:

Please be aware Peer2peer file sharing is not allowed on the University networks. (Limewire, KaZaA)
The Digital Millennium Act requires all Universities that receive federal funds to block or prevent illegal file sharing. **If a student is found to be sharing files illegally, the disciplinary measures they face will be harsh.** Your computer will be disconnected from the University networks. You will be liable for civil and/or criminal prosecution. And your fines will range **from \$750 to \$30,000 per song or movie** illegally downloaded.

Recording of Class lectures:

Faculty members own the copyright to their written course materials, which includes slides and other materials created by the faculty member that are displayed in class or distributed to students. For these materials, unauthorized reproduction or distribution (such as on the Internet) would infringe on the faculty member's copyright rights.

Cloud File Storage for Students:

Students are encouraged to use Dropbox for their file storage needs. Dropbox is a third party solution that lets users access their information from anywhere using a web browser. Dropbox offers 2GB of free file storage, as well as numerous accessibility features. Dropbox allows students to maintain a history of document revisions, while eliminating the need to use email or USB drives to move files between computers. **Please note it is a violation of HIPPA and University of Utah regulations to store any PHI data in Dropbox!**

Useful Links:

Office of Software Licensing (OSL):

<https://software.utah.edu>

University Bookstore Computer Dept:

<http://www.bookstore.utah.edu>

College of Pharmacy Computer Support Services (CPCSS):

http://www.pharmacy.utah.edu/CoP_Services/services/Problem_form.html

Network Acceptable Use Policy & Information on Peer to Peer File Sharing:

<http://www.it.utah.edu/leadership/policies/NetworkAcceptableUse.html>

University Information Technology Cloud Storage

<http://www.it.utah.edu/services/cloud/student.html>

FINANCIAL AID

FEDERAL AID FOR PHARMACY STUDENTS

Graduate School Loans for all University of Utah Graduate Students who qualify:

Perkins – 5% interest rate which does not accrue while in school or during grace and deferment periods. This loan has a 9 month grace period to start paying back the loan after you graduate or after you fall below half-time enrollment.

Stafford Subsidized – 6.8 % interest which does not accrue while you are in school or during grace and deferment periods. This loan has a 6 month grace period to start paying back the loan after you graduate or after you fall below half-time enrollment.

Stafford Unsubsidized – 6.8% interest that begins to accrue with the first disbursement of your loan. This loan has a 6 month grace period to start paying back the loan after you graduate or after you fall below half-time enrollment.

Graduate Plus Loan – 7.9% interest rate which will accrue while you are in school beginning with the first disbursement of your loan. There is no borrowing limit *but* you *cannot* go over your cost of attendance. Must request this loan through the University of Utah Financial Aid office, the form can be found on their website: <http://www.sa.utah.edu/finance/>. There is a 60 day grace period to start paying back the loan after you graduate or after you fall below half-time enrollment. NOTE: Graduate PLUS is based on credit, unlike Perkins or Stafford loans, and you must pass a credit background check.

Graduate School Loans for all University of Utah Pharmacy Students who qualify:

Health Professions Student Loan for Pharmacy Students – Must set up a time to meet with *Erica Rojas, Program Manager – Professional Schools*, in the Financial Aid Office to talk about the requirements of this loan. You can apply anytime during the Academic Year. Deadline for Fall semester is by November and the deadline for Spring semester is by March of the Academic School Year you are applying for.

Erica Rojas, Program Manager—Professional Schools

Erica Rojas is available to meet with you one-on-one to talk to you about any financial aid questions you might have. If you would like to set up an appointment time with her please contact Denise Brenes at 581-1848 or Denise.Brenes@pharm.utah.edu.

Financial Aid and Scholarships, 105 Student Services Building

For general information about how to apply for federal aid, please visit the Financial Aid Website: <http://www.sa.utah.edu/finance/>

Contact the Financial Aid Office:

financialaid@sa.utah.edu

scholarship@sa.utah.edu

EMERGENCY LOAN PROGRAM

Pharmacy students in need of financial aid may obtain emergency loans from the College at no interest. Application may be made at any time. Students should contact the Associate Dean for Academic Affairs for more information.

**STUDENT STANDARDS
OF ACADEMIC AND PROFESSIONAL
PERFORMANCE**

STANDARDS OF PERFORMANCE

The College of Pharmacy is dedicated to the education of competent pharmacists who employ critical judgment skills and broad based knowledge in caring for their patients. Pharmacy is a demanding profession in which practitioners are asked to place the interests of patients above their own. It requires commitment to a life of service, dedication to continuous learning and high ethical standards. The Doctor of Pharmacy (Pharm.D.) Program is where students begin to acquire the foundation of knowledge, attitudes, skills and behaviors that are necessary for the practice of pharmacy throughout their careers.

All College of Pharmacy faculty members and students have responsibilities in assuring that graduates of the Professional Program have acquired the necessary foundation to provide pharmaceutical care to patients throughout their professional careers. The College of Pharmacy has an obligation to provide each student with a fair opportunity to meet the high standards of scholarship and integrity associated with the Pharm.D. degree and the profession of pharmacy. As professional students progress through their programs of study in the curriculum, the faculty members of the College of Pharmacy are obligated to evaluate whether students are qualified to receive the degree of Doctor of Pharmacy. However, it is ultimately the responsibility of each student to meet performance standards. In seeking these academic credentials, with the understanding that satisfactory performance is a prerequisite to the receipt of that credential, students are consenting to frank evaluation by those charged with the responsibility of supervising performance in both the didactic and experiential courses. Faculty members of the College of Pharmacy are qualified as professionals to observe and judge all aspects of a student's academic performance, including demonstrated knowledge, technical and interpersonal skills, attitudes and professional character, as well as ability to master the required curriculum.

In order to receive a professional degree in pharmacy, students must:

1. *Meet the academic requirements of each core and elective course.;*
2. *Meet the academic requirements of the Doctor of Pharmacy Program and the Graduate School.;*
3. *Uphold the University of Utah's and College of Pharmacy's standards of academic honesty, including, but not limited to, refraining from cheating, plagiarizing, research misconduct, misrepresenting one's work and/or inappropriately collaborating.;* and
4. *Uphold the professional and ethical standards of the profession of pharmacy as set forth in the American Pharmacists Association Code of Ethics for Pharmacists. (See page 46) (<http://www.aphanet.org>)*

ACADEMIC STANDARDS

As members of the College of Pharmacy academic community, professional students and faculty members must create and support an educational environment that optimizes academic and professional development. Each member should be treated with dignity and respect. Professional students should exercise their right to learn without infringing on the rights of others.

REQUIREMENTS FOR THE PROFESSIONAL DOCTOR OF PHARMACY DEGREE

Graduation Requirements of the University: Pharm.D. candidates must satisfactorily complete the program of study current for their class.

Professional Core Course Requirements: Satisfactory grades must be obtained in all core courses. Satisfactory grades are defined as no grades lower than **C+ in any professional core or elective course, nor grades of I, EU, NC or W**. The credit/no credit option cannot be exercised by the students in these courses; however, courses graded only credit/no credit are acceptable.

Minimum Grade Point Average Requirements: A minimum cumulative or semester University and professional grade point averages of **3.00** must be maintained during all four years of the program of study. The cumulative professional grade point average is based on the grades obtained **from all attempts** at professional core and elective courses.

Professional Elective Course Requirements: Please see page 13. The credit/no credit option cannot be exercised by the students in these courses; however, courses graded only credit/no credit are acceptable.

Waiver of Professional Programs of Study Requirements

The Associate Dean for Academic Affairs in consultation with the Scholastic Standards Committee may waive one or more specific requirements in extenuating circumstances for good cause. Students should consult with the Director of Student Affairs or the Associate Dean for Academic Affairs concerning the process to be followed to obtain such waivers. In general, the Committee will waive requirements only if the student demonstrates that an equivalent of the requirement has been attained. All students admitted to the Professional Program are responsible for making their own arrangements for the time and resources required for meeting the requirements of the program. Requirements are not waived simply on the basis of reducing the usual time and/or expense required, nor for the purpose of altering schedules to coincide with extracurricular activities.

ACADEMIC EVALUATION AND GRADES

College faculty evaluate the academic performance of professional students during their program of study and assign grades for that performance. Grades received in professional courses are used to recognize students for academic excellence as well as a basis for academic sanctions for failure to maintain satisfactory academic progress in the Professional Program. Academic sanctions include placement on academic probation, suspension or dismissal from the Program.

The academic sanctions of probation, suspension and dismissal from the Pharm.D. Program based on academic evaluations and grades are imposed by the Scholastic Standards Committee. The Committee also establishes the requirements necessary to be released from academic probation or be reinstated following academic suspension. The guidelines governing academic sanctions and the appeals processes for appealing an academic evaluation or grade given by an instructor as well as academic sanctions and requirements imposed by the Scholastic Standards Committee are described in detail in subsequent sections of the Orientation Guide.

ACADEMIC INTEGRITY

Maintaining academic integrity within the Professional Program is the responsibility of both the College students and faculty. The awarding of academic credentials by the College of Pharmacy to professional students for successfully completing their program of study assumes that the standards of academic integrity have been met. Students may receive academic sanctions including, but not limited to, academic probation, suspension or dismissal from the College of Pharmacy if they have failed to maintain academic integrity while applying to and enrolled in the Professional Program.

Academic integrity means that students refrain from cheating, plagiarizing, research misconduct, misrepresenting one's work and/or inappropriately collaborating. General definitions of these terms are provided in the University of Utah Student Code and include:

Cheating - Unauthorized possession or use of information, materials, notes, study aids, etc., copying from another student's assignment or examination, submitting work for in-class examination that was previously prepared, violating the rules governing an exam, having another person complete assignments or take an examination; altering one's assignment or examination after the exercise has been evaluated and before resubmitting it for reconsideration with authorization of the faculty member; violating any rules relating to academic conduct of a course or the Professional Program.

Misrepresentation of one's work - Submitting material prepared by another source as one's own work or submitting the same work in more than one course without prior permission of both faculty members.

Plagiarism - The unacknowledged use or incorporation of another's work in or as the basis for one's work submitted for academic consideration, credit or public presentation. Common examples of plagiarism include the representation of another person's words, phrasing, ideas, sequence of ideas, information, or other content or modes of expression as one's original thoughts, words or ideas.

Fabrication or falsification - Obtaining or changing records, examinations or documents without authorization. Reporting of experimental observations, measurements, data or statistical

analyses that were never performed, manipulating or altering experimental observations, measurements, data or statistical analyses to achieve a desired result, falsifying or misrepresenting background information, credentials or other academically relevant information, selective reporting or deliberate suppression of conflicting or unwanted data, etc.

Any person, student or faculty member who observes or discovers violations of academic integrity by professional students should discuss the matter first with the faculty member responsible for the course or the Associate Dean for Academic Affairs. The formal processes governing reporting, investigating and imposing sanctions as well as subsequent avenues of appeal involving alleged violations of academic integrity are outlined in subsequent sections of the Orientation Guide.

PROFESSIONAL AND ETHICAL STANDARDS

Pharmacy students are seeking credentials in a profession that is highly regarded by other health care professionals as well as the public. As members of the academic and pharmacy communities, pharmacy students are expected to uphold the principles of integrity, honesty and fairness for which this profession is known. The development of professionalism requires that pharmacy students follow the standards set forth in the *Pledge of Professionalism* (see page iii).

During their program of study, students interact with peers, faculty, other health care professionals and the public. Students are forming the foundations of knowledge and professionalism expected of them in their future careers as pharmacists. Pharmacy students are expected to uphold the high standards of integrity and ethics of the profession.

To enhance professionalism, instill these attitudes early, plus building a strong bond between students' family and the College of Pharmacy a White Coat Ceremony is held every Fall. Parents, spouses, students are all invited to attend this ceremony.

PROFESSIONAL AND ETHICAL CONDUCT IN INSTRUCTIONAL SETTINGS

Ensuring that classrooms and other instructional settings provide a proper and nurturing environment for teaching and learning is the responsibility of each student and faculty member. Student and faculty behavior should adhere to professional standards and contribute positively to the learning environment. Appropriate dress and personal appearance and hygiene are expected. Other behavior that may be interpreted as rude, disruptive or infringes on the rights of faculty and students are not tolerated by the College of Pharmacy.

Students must get permission from the respective faculty member prior to recording any lecture and indicate that permission will only be provided for purposes limited to course preparation and study for students enrolled in the class, but not for further distribution of any kind, including posting any recording or materials online. Faculty members own the copyright to their written course materials, which includes slides and other materials created by the faculty member that are displayed in class or distributed to students. For these materials, unauthorized reproduction or distribution (such as on the Internet) infringes on the faculty member's copyright rights. A student publishing these materials would be in violation of professional conduct which may result in academic sanctions including, but not limited to academic probation, suspension or dismissal from the professional program.

Components of the Pharm.D. curriculum occur in many different settings other than the classroom including various practice settings during clerkship courses, camp settings, community program or private home settings during service learning experiences, as well as during continuing education programs. Attention to professional, ethical, legal and personal demeanor standards becomes even more

critical as professional students interact with colleagues, preceptors, other health care professionals, and the public.

It is the responsibility of students, faculty members, and administration to assure that students are upholding the professional and ethical standards of pharmacy. Allegations of violations of such standards are taken seriously and must be made in writing to the Associate Dean for Academic Affairs of the College. Because pharmacy students interact extensively with other health care professionals and the public during their tenure in the Professional Program, allegations of professional or ethical misconduct may be brought to the College's attention from other sources such as professional colleagues in the health sciences, the Board of Pharmacy or the public.

Violations of professional or ethical conduct may result in academic sanctions including, but not limited to, academic probation, suspension or dismissal from the professional program. The formal processes governing reporting, investigation and imposing academic sanctions as well as subsequent avenues for appeals involving allegations of professional or ethical misconduct are outlined in subsequent sections of the Orientation Guide.

SUBSTANCE ABUSE AND OTHER UNPROFESSIONAL OR UNLAWFUL ACTS

Students enrolled in the Pharm.D. Program are seeking credentials to be health care professionals. Therefore, they have unique responsibilities regarding substance abuse and chemical dependence issues. Students should be familiar with the physical, psychosocial and legal consequences of substance abuse and chemical dependency.

Students who have concerns that a peer, faculty member or preceptor may be impaired by substance abuse or chemical dependence should discuss their concerns with the Associate Dean for Academic Affairs. If impairment concerns regarding a health care professional or patient arise at an experiential setting (i.e., in the Professional Experience Program), they should be brought to the attention of the supervising faculty preceptor and the Assistant Dean for the Experiential Education or the Associate Dean for Academic Affairs.

Pharmacy students are entering a profession whose members are expected to possess high professional and ethical standards in their professional and personal lives. Professional students convicted of violations of local, state or federal laws or ordinances may be considered in violation of the Professional and Ethical Standards of the Professional Program. Academic sanctions resulting from such violations include, but are not limited to, probation, suspension or dismissal from the Professional Program. The formal processes governing reporting, investigating and imposing sanctions as well as subsequent avenues of appeal involving allegations of professional or ethical misconduct are outlined in subsequent sections of the Orientation Guide.

APhA CODE OF ETHICS FOR PHARMACISTS

Pharmacists are health professionals who assist individuals in making the best use of medications. This Code, prepared and supported by pharmacists, is intended to state publicly the principles that form the fundamental basis of the roles and responsibilities of pharmacists. These principles, based on moral obligations and virtues, are established to guide pharmacists in relationships with patients, health professionals and society.

- 1. A Pharmacist Respects the Covenantal Relationship Between the Patient and Pharmacist**
Considering the patient-pharmacist relationship as a covenant means that a pharmacist has moral obligations in response to the gift of trust received from society. In return for this gift, a pharmacist promises to help individuals achieve optimum benefit from their medications, to be committed to their welfare and to maintain their trust.
- 2. A Pharmacist Promotes the Good of Every Patient in a Caring, Compassionate and Confidential Manner**
A pharmacist places concern for the well-being of the patient at the center of professional practice. In doing so, a pharmacist considers needs of the patients as well as those defined by health science. A pharmacist is dedicated to protecting the dignity of a patient. With a caring attitude and a compassionate spirit, the pharmacist focuses on serving the patient in a private and confidential manner.
- 3. A Pharmacist Respects the Autonomy and Dignity of Each Patient**
The pharmacist promotes the right of self-determination and recognizes individual self-worth by encouraging patients to participate in decisions about their health. The pharmacist communicates with patients in understandable terms, as well as respects personal and cultural differences among patients.
- 4. A Pharmacist Acts with Honesty and Integrity in Professional Relationships**
A pharmacist has a duty to tell the truth and act with conviction of conscience. Pharmacists avoid discriminatory practices, behavior or work conditions that impair professional judgment, and actions that compromise dedication to the best interests of the patient.
- 5. A Pharmacist Maintains Professional Competence**
A pharmacist has a duty to maintain knowledge and abilities as new medications, devices and technologies become available as health information advances.
- 6. A Pharmacist Respects the Values and Abilities of Colleagues and Other Health Professionals**
When appropriate, pharmacists ask for the consultation of colleagues or other health professionals or refer the patient. A pharmacist acknowledges that colleagues and other health professionals may differ in the beliefs and values they apply to the care of the patient.
- 7. A Pharmacist Serves Individual, Community and Societal Needs**
The primary obligation of a pharmacist is to individual patients. However, the obligations of a pharmacist may at times extend beyond the individual to the community and society. In these situations, the pharmacist recognizes the responsibilities that accompany these obligations and acts accordingly.
- 8. A Pharmacist Seeks Justice in the Distribution of Health Resources.**
When health resources are allocated, a pharmacist is fair and equitable, balancing the needs of patients and society.

Adopted October 27, 1994 by the American Pharmaceutical Association. (<http://www.aphanet.org>)

ACADEMIC SANCTIONS OF PROBATION, SUSPENSION AND DISMISSAL

Students may be placed on academic probation, suspended or dismissed from the College of Pharmacy Pharm.D. Program by the Scholastic Standards Committee for not maintaining satisfactory academic progress or other academic misconduct. Academic misconduct includes violations of academic integrity, professional or ethical standards of pharmacy, or the University of Utah Student Code. The State of Utah enables pharmacy interns to be licensed only if they are currently enrolled in an accredited pharmacy program. At the Board of Pharmacy's request, the College of Pharmacy provides them with a list of students currently enrolled in the Program. Students must hold a current pharmacy intern license throughout the Pharm.D. Program. Therefore, suspension or dismissal from the Professional Program is a serious academic sanction.

PROBATION GUIDELINES

Reasons for Probationary Status

Students may be placed on academic probation from the College of Pharmacy Pharm.D. Program for not maintaining academic, professional or ethical standards, or not complying with the University of Utah Student Code. The academic background of the student is taken into consideration when imposing this sanction in circumstances involving academic, professional or ethical misconduct.

Deficient Grade Point Average or Grades: Pharm.D. students are placed on *academic probation whenever the University and professional grade point average falls below 3.00 in the professional years or grades below C+ (or grades of I, NC, EU, or W) are received in a professional core or elective course in the Pharm.D. Program.* The cumulative professional grade point average is based on the grades obtained from all attempts at professional core and elective courses.

Deviation from the Established Program of Study: Pharm.D. students may be placed on probation for deviating from their class Program of Study *without prior written approval* of the Associate Dean for Academic Affairs and the Scholastic Standards Committee. *Students must obtain the Associate Dean for Academic Affairs' consent to not register for or withdraw from a professional core course.*

Academic Misconduct: Students may be placed on probation for *academic misconduct, which includes violations of academic integrity, professional or ethical standards of pharmacy, or the University of Utah Student Code.* The process for reporting, investigating, imposing academic sanctions and appealing alleged violations of academic integrity or professional and ethical standards are outlined in subsequent sections of the Orientation Guide.

Imposing Academic Probationary Status

Students will receive a written notice when placed on probation including the reason(s) for the probationary status, the academic terms when removal of probationary status will next be considered by the Scholastic Standards Committee and the requirements for removing the probationary status.

Students may be placed on academic probation by the Scholastic Standards Committee as the result of

evaluations or grades in professional courses. This sanction is not imposed until any appeals concerning the course evaluations and grades are completed. Thus, this sanction cannot be subsequently appealed. Although the academic sanction of probation cannot be appealed, students may appeal the conditions imposed by the Scholastic Standards Committee required for reinstatement resulting from academic grades or evaluations. The appeal processes are explained further in subsequent sections of the Orientation Guide.

Probationary sanctions resulting from alleged violations of academic integrity, professional or ethical standards of pharmacy, or the Student Code may also be imposed by the Scholastic Standards Committee following the recommendations of the Associate Dean for Academic Affairs or the Academic Misconduct Committee. These sanctions are not imposed unless they have been agreed to in writing by the student through mediation with the Associate Dean for Academic Affairs or until any appeals relating to the allegation or recommendations of the Academic Misconduct Committee are completed. Neither the academic sanction of probation, nor the terms regarding removal of probation can be further appealed when probationary status is imposed under these conditions.

Removal of Probationary Status

The probationary status will be removed if (a) satisfactory academic progress is made during each academic semester of the probationary period and (b) the requirements specified by the Committee are accomplished as outlined in the letter imposing the probationary status.

“Satisfactory progress” in the Pharm.D. Program requires that the students *maintain a semester University and professional grade point average of 3.00 in the professional years, and receive no grades lower than a C+, nor any grades of E, EU, NC, I or W in any professional core or elective course.* The professional grade point average is based on all attempts of professional core and elective course work.

The College Scholastic Standards Committee reviews the academic progress of students on probationary status each academic term. The Committee will notify students in writing, following the academic term when removal of probationary status is to be considered, whether they are released from probation. *Those students who violate the terms of their probationary status or fail to maintain satisfactory progress throughout the remainder of their programs of study are subject to suspension or dismissal from the Professional Program.*

SUSPENSION GUIDELINES

Reasons for Suspension from the Professional Program

Students may be suspended from the Pharm.D. Program for not maintaining satisfactory academic progress or violations of the terms and conditions of their probationary status, professional or ethical standards, or the University of Utah Student Code. The academic backgrounds of students are taken into consideration when imposing this sanction in circumstances involving academic progress or violations of professional or ethical standards of pharmacy.

Failure of Core or Elective Course: Pharm.D. students may be suspended for *receiving the grade of E (or grade of EU or NC) in a professional core or elective course.* Students are usually **not allowed to**

continue in the professional curriculum until the course is **repeated with a C+ or higher (or grade of CR)**. Students may repeat a professional core or elective course once.

Failure to Meet the Conditions and Terms of Probation: Professional students on academic probation may be suspended for not maintaining satisfactory progress as well as other conditions outlined in their letter of notification by the Scholastic Standards Committee.

Satisfactory progress in the Pharm.D. Program is defined as maintaining a semester University and professional grade point average of **3.00** in the professional years as well as receiving **no grade lower than C+, nor any grades of E, EU, NC, I or W** in any professional pharmacy core or elective course. The cumulative professional grade point average is based on the grades obtained from all attempts at professional core and elective courses.

Failure to Maintain Satisfactory Academic Progress During Any Academic Term Following One Probationary Period: Students who have been placed on academic probation and subsequently released from probation are subject to suspension if they fail to maintain satisfactory academic progress during the remainder of their programs of study.

Satisfactory progress in the Pharm.D. Program is defined as maintaining a semester University and professional grade point average of **3.00** in the professional years as well as receiving **no grade lower than C+, nor any grades of E, EU, NC, I or W** in any professional pharmacy core or elective course. The cumulative professional grade point average is based on the grades obtained from all attempts at professional core and elective courses.

Academic Misconduct: Pharmacy students may be suspended from the Pharm.D. Program for academic misconduct, which includes violations of academic integrity, professional or ethical standards of pharmacy, or the University of Utah Student Code. The processes for reporting, investigating and imposing sanctions involving allegations of academic misconduct are outlined in subsequent sections of the Orientation Guide.

Imposing Suspension

The academic backgrounds of students are taken into consideration when imposing this sanction. Students will receive a written notice when suspended from the Pharm.D. Program including the reason(s) for suspension, period of suspension and the terms and conditions that must be met before they may apply for reinstatement.

Students may be suspended by the Scholastic Standards Committee as the result of evaluations or grades in professional courses. Suspension is not instituted until appeals concerning the course evaluation or grade are completed, thus this sanction cannot be further appealed. *Although the sanction of suspension cannot be appealed, students may appeal the terms and conditions required by the Scholastic Standards Committee for reinstatement.* The appeal processes are explained further in subsequent sections of the Orientation Guide.

Suspension may also be imposed by the Scholastic Standards Committee as recommended by the Academic Misconduct Committee due to violations of academic integrity, professional or ethical

standards of pharmacy, or the University of Utah Student Code. Such sanctions are not imposed until appeals relating to the allegation and sanctions recommended by the Academic Misconduct Committee are completed. Therefore, *neither the sanction nor the conditions for reinstatement can be further appealed.*

Suspended students are not included on the list of enrolled students in the Pharm.D. Program requested each semester by the Board of Pharmacy.

Reinstatement to the Professional Programs

Students suspended from the Pharm.D. Program must apply in writing to the Scholastic Standards Committee for reinstatement when they have met the conditions and terms of their suspension:

Letters applying for reinstatement should be submitted to the chairperson of the Scholastic Standards Committee and include positive evidence that:

1. *the terms set forth by the Scholastic Standards Committee for reinstatement have been met;*
2. *the applicant is capable of successfully completing the Pharm.D. Program; and*
3. *the applicant is capable of, and willing to, adhere to the academic standards of the Pharm.D. Program, professional and ethical standards of pharmacy and/or the University of Utah Student Code.*

Students are notified in writing regarding their application for reinstatement. *Students suspended from and then reinstated into the Pharm.D. Program are placed on probation until completion of their program of study (i.e., **permanent probation**).* The terms and conditions of their permanent probation, including maintaining satisfactory progress, are set forth in writing by the Scholastic Standards Committee. Those students who violate their permanent probationary status after reinstatement may be dismissed.

DISMISSAL GUIDELINES

Reasons for Dismissal from the Professional Programs

Students may be dismissed from the College of Pharmacy Pharm.D. Program for not maintaining satisfactory academic progress as well as for violations of professional or ethical standards, or the University of Utah Student Code. Academic backgrounds of students are taken into consideration when imposing this sanction in circumstances involving violations of academic integrity, professional or ethical standards, or the University of Utah Student Code.

Failure to Meet the Reinstatement Terms and Conditions While Suspended from the Pharm.D. Program: Students who fail to meet the conditions and terms for reinstatement to Pharm.D. Program, including maintaining satisfactory academic progress, while on academic suspension or within the time period outlined by the Scholastic Standards Committee may be dismissed.

“Satisfactory progress” in the Pharm.D. Program is defined as “maintaining a semester University and Professional grade point average of **3.00** in the professional years or receiving **no grades below C+** in

any professional core or elective course.” The cumulative professional grade point average is based on the grades obtained from all attempts at professional core and elective courses.

Failure to Meet Permanent Probationary Conditions and Terms Following Academic Suspension:

Students who fail to meet the conditions and terms of their permanent probation, including maintaining satisfactory academic progress, until completion of their program of study following reinstatement to the Pharm.D. Program from academic suspension may be immediately dismissed.

“*Satisfactory progress*” in the Pharm.D. Program is defined as “maintaining a semester University and Professional grade point average of **3.00** in the professional years, receiving **no grades below C+** in any professional core or elective course.” The cumulative professional grade point average is based on the grades obtained from all attempts at professional core and elective courses.

Academic Misconduct: Professional pharmacy students may be dismissed from the Pharm.D. Program for academic misconduct, which includes violations of academic integrity, professional or ethical standards of pharmacy, or the University of Utah Student Code. The process for reporting, investigating and appealing allegations of academic misconduct are outlined in subsequent sections of the Orientation Guide.

Imposing Dismissal

The academic backgrounds of students are taken into consideration when imposing the sanction. Students receive a written notice when dismissed from the Pharm.D. Program including the reason(s) for dismissal. *Students dismissed from the Pharm.D. Program are generally not readmitted.*

Students may be dismissed from the Pharm.D. Program by the Scholastic Standards Committee as the result of evaluations or grades in professional courses. Dismissal is not instituted until appeals concerning the course evaluation or grade are completed.

Dismissal may also be imposed by the Scholastic Standards Committee as recommended by the Academic Misconduct Committee due to alleged violations of academic integrity, professional or ethical standards of pharmacy, or the University of Utah Student Code. Such sanctions are not imposed until appeals relating to the allegations or sanctions recommended by the Academic Misconduct Committee are completed.

Dismissed students are not included on the list of enrolled students in the Pharm.D. Program requested each semester by the Board of Pharmacy.

APPEALING ACADEMIC COURSE GRADES OR EVALUATIONS OR TERMS AND CONDITIONS IMPOSED BY THE SCHOLASTIC STANDARDS COMMITTEE

Students may appeal an academic evaluation received in a didactic or experiential course in the Pharm.D. Program that they perceive to be arbitrary or capricious, to the following individuals or committees in sequence beginning with the faculty member. The terms and conditions for removal of probationary status or application for reinstatement following academic suspension may be appealed to the following individuals or committees in sequence beginning with the College Academic Appeals Committee.

Students considering appealing academic course grades or evaluations, or the terms and conditions imposed by the Scholastic Standards Committee, that they believe are arbitrary or capricious should discuss the matter with the Associate Dean for Academic Affairs in order to fully understand the appeal processes available to students and the potential consequences.

FACULTY MEMBER

Students should discuss the academic action in question with the involved faculty member and attempt to resolve the disagreement. Students are strongly recommended to submit their appeal in writing to the faculty member if verbal discussions are progressing unsatisfactorily. Students have only 20 business days to appeal grades and other “academic sanctions”. Faculty members are also strongly encouraged to respond in writing if discussions progress unsatisfactorily or students appeal in writing. The faculty member’s decision and the basis for that decision should be provided in writing to the student within a reasonable time period.

DEPARTMENT CHAIRPERSON

Students may appeal the academic sanction imposed by the faculty member in writing, with supporting evidence, to the chair of the department in which the course was offered (or the College Academic Appeals Committee for courses offered by the College). The written appeal must be made within forty (40) working days of receiving the academic sanction. The department chair forwards copies of appeals to the Associate Dean for Academic Affairs, who then notifies the Scholastic Standards Committee chair.

After consulting with students and faculty members involved, the department chair must notify the students and faculty members in writing within fifteen (15) working days of his/her decision whether the academic action was arbitrary or capricious and the basis for that decision. Copies of the decision are forwarded to the Associate Dean for Academic Affairs, who also notifies the Scholastic Standards Committee chair.

If the chair determines that the academic action was arbitrary or capricious, the chair will then take the appropriate action to resolve the issue, unless the faculty member appeals the chair's decision.

Students wishing to appeal academic sanctions imposed by a faculty member in a course offered by the

College rather than a department should appeal directly to the College Appeals Committee within forty (40) working days from written notification of the academic sanction imposed by the faculty member.

COLLEGE ACADEMIC APPEALS COMMITTEE

Either students or faculty members may appeal the chair's decision in writing to the College of Pharmacy Academic Appeals Committee within fifteen (15) working days of the chair's written decision.

If students are appealing an academic course grade by a faculty member responsible for a course offered directly by the College rather than through an individual department, then the appeal should be submitted directly to the College Academic Appeals Committee rather than to the department chair within forty (40) working days from the written decision of the faculty member. In either case, the appeal processes would then proceed as further described.

Appeals regarding the terms and conditions imposed by the Scholastic Standards Committee for release from academic probation, or reinstatement to the Pharm.D. Program following academic suspension should be made in writing to the Academic Appeals Committee within fifteen (15) working days of the Scholastic Standards Committee's written decision. The appeal processes would then proceed as further described.

The College Academic Appeals Committee is composed of two faculty members from within the College of Pharmacy, one faculty member from outside of the College of Pharmacy and two Pharm.D. students.

The written appeal should be submitted to the Office of Student Affairs for distribution through the Associate Dean for Academic Affairs to the chair of the College Academic Appeals Committee, faculty member and department chair for appeals of course evaluations and grades, or the Scholastic Standards Committee chair for appeals regarding terms and conditions imposed by the Committee. The other party may respond to the appeal in writing within five (5) working days. The written response should be submitted to the Office of Student Affairs for distribution to the College Academic Appeals Committee chair, the Associate Dean for Academic Affairs and the other parties involved.

The Academic Appeals Committee meets to determine whether the appeal presents any disputed factual issues for a hearing, and whether a hearing would be beneficial in resolving the disputed issue.

If the Committee determines that a hearing would be beneficial, the Committee chair will notify the parties involved and the Associate Dean for Academic Affairs in writing at least fifteen (15) working days prior to the date of the hearing. Hearings must be conducted within a reasonable time of receiving the appeal. At least five (5) working days prior to the date of the hearing, the student who submitted the appeal and the College Academic Appeals Committee chair or Scholastic Standards Committee chair whose decision is being appealed must provide a written list of individuals requested to provide information and documents to be considered at the hearing from the other party and the College Appeals Committee. The parties may be accompanied by any person as an advisor, including legal counsel. This individual may attend the hearing, but not directly participate in the proceedings. These hearings are closed to the public, although the proceedings are recorded and copies will be available to any

participant upon request. Both parties have the right to question witnesses, present evidence and to call witnesses. The Committee is not bound by strict rules of legal evidence or procedure and may consider any evidence deemed relevant. The University legal counsel will serve as a resource to the Committee, and may be present at the hearing to provide guidance on substantive law and procedural matters only.

Following the hearing, the College Academic Appeals Committee deliberates and votes in closed session. To overturn the original academic action, the Committee must find that the academic action was arbitrary or capricious. The Committee chair submits a written report of the Committee's decision, including the basis for that decision, to the Office of Student Affairs for distribution to the involved parties and the Associate Dean for Academic Affairs. The Associate Dean for Academic Affairs notifies the Dean of the College, the Senior Vice President for Health Sciences, and the Scholastic Standards Committee chair, if necessary, regarding the appeal and the Academic Appeals Committee's decision.

DEAN OF THE COLLEGE

Either party involved may appeal the College Academic Appeals Committee's decision to the Dean in writing within ten (10) working days of notification of the College Academic Appeals Committee's decision.

A copy of the appeal should be submitted to the Office of Student Affairs for distribution to the appropriate parties involved including students, faculty members and department chairs or Scholastic Standards Committee chair, Academic Appeals Committee chair and the Associate Dean for Academic Affairs. The Associate Dean for Academic Affairs also notifies the Senior Vice President for Health Sciences and Scholastic Standards chair, if appropriate, of the appeal.

The Dean considers the appeal and then notifies the student, faculty member, department chair, College Academic Appeals Committee chair and Associate Dean for Academic Affairs in writing of that decision and the basis for that decision within ten (10) working days of receipt of the appeal. The Dean takes into consideration the academic background of the student, whether the academic sanction imposed by the faculty member was arbitrary or capricious, and whether fair and due processes were followed by the previous individuals or committees reviewing the academic sanction.

The Senior Vice President for Health Sciences and the Scholastic Standards Committee chair are also notified of the Dean's decision.

SENIOR VICE PRESIDENT FOR HEALTH SCIENCES

Either the student, faculty member, department chair or the College Academic Appeals Committee chair may appeal the Dean's decision in writing to the Senior Vice President for Health Sciences within ten (10) working days of notification of the Dean's decision.

A copy of the appeal should be submitted to the Office of Student Affairs for distribution to the appropriate parties involved including students, faculty members and department chair, or Scholastic Standards Committee chair, Academic Appeals Committee chair, Dean and Associate Dean for Academic Affairs. The Scholastic Standards Committee chair is also notified, if appropriate, of the appeal by the Associate Dean for Academic Affairs.

In considering the appeal, the Senior Vice President for Health Sciences may solicit whatever counsel and advice deemed appropriate to reach a decision. The Senior Vice President for Health Sciences may convene an ad hoc committee composed of students and faculty from outside the college or department to review the process given to the student, and to determine whether there were substantial defects in the process which denied the students basic fairness and due process.

The Senior Vice President for Health Sciences notifies the student and Dean of the College in writing of his/her decision and the basis for that decision within twenty (20) working days of the receipt of the appeal. The Dean subsequently notifies the faculty member, department chair, College Academic Appeals Committee chair and Associate Dean for Academic Affairs of the Senior Vice President's decision. The decision of the Senior Vice President for Health Sciences is final.

Further consequences of the Senior Vice President's decision that impacts a final course grade may include the academic sanctions of probation, suspension or dismissal from the Pharm.D. Program. The student's academic progress is deemed unsatisfactory following the assignment of the final grade, then the Scholastic Standards Committee may impose the academic sanctions of probation, suspension or dismissal depending on the academic background of the student in the Pharm.D. Program. Academic sanctions imposed by the Scholastic Standards Committee cannot be further appealed.

VIOLATIONS OF ACADEMIC INTEGRITY

It is the responsibility of the faculty and Dean's Office to investigate the allegations of violations of academic integrity and resolve the issue appropriately. Students who are found to be violating academic integrity will receive academic sanctions including, but not limited to, probation, suspension or dismissal from the Pharm.D. Program. However, students must also be protected from unfounded allegations. To maintain academic integrity of the Pharm.D. Program, as well as the rights of individual students within the Program, it is important that both faculty and professional students follow the procedures outlined in the Orientation Guide and the University of Utah Student Code.

RESPONSIBILITIES

Faculty Responsibilities

Faculty members responsible for didactic courses must actively proctor examinations (see new testing procedures, page 22) by actively monitoring the classroom and observing the students. An additional proctor should be present if possible. To ensure adequate space between students, the auditorium should be used whenever possible. In the classroom or auditorium, book bags, books, coats, hats and other personal belongings must be left in the front or along the sides of the room.

Faculty members should clarify whether students must complete written assignments individually or may seek assistance from other individuals. If individual faculty members require specific reference styles or impose more definitive definitions of plagiarism, these points should be provided to students in writing and further clarified during the course lectures.

Student Responsibilities

If students believe other students are cheating, they should discuss their concerns with the faculty member responsible for the course. Cheating observed during an examination should be reported by raising one's hand and quietly expressing such concerns to the responsible faculty member without disrupting the class. Repeated cheating during examinations should be reported by filing a written complaint with the faculty member responsible for the course containing an accurate account of the incidents. The identity of the students who file written complaints regarding allegations of misconduct will be kept confidential to the extent possible. Their identities may be revealed during investigations, Academic Misconduct Committee hearings or if higher levels of appeal are pursued.

If students are uncomfortable discussing such allegations with faculty members, or do not believe that individual faculty members are ensuring the integrity of examinations, they should seek counsel from the Associate Dean for Academic Affairs. Students who take it upon themselves to arbitrarily and anonymously sanction fellow students without following the processes outlined in the Orientation Guide and University Student Code are acting unprofessionally and are violating the Standards of Behavior at the University. As underscored in the Student Code, acts such as "hazing, verbal abuse, threats, intimidation, harassment, coercion or any other behavior" are subject to disciplinary action.

Dean's Office Responsibilities

The Dean's Office has the obligation to provide each student with a fair opportunity to meet the high standards of scholarship and integrity associated with the Pharm.D. Program and the profession of

pharmacy. The Dean's Office provides leadership to ensure that an educational environment that optimizes academic and professional development is created and sustained. The Dean and Associate Dean for Academic Affairs provide counsel and assistance to both faculty and students in addressing allegations of academic dishonesty.

Any student accused of violations of academic integrity should discuss the incident with the Associate Dean for Academic Affairs in order to fully understand the consequences of an academic sanction, and the appeal processes available to the student should he/she refute the allegation or consider the sanctions to be arbitrary or capricious.

INVESTIGATING AND RESOLVING ALLEGATIONS

Faculty Investigations and Resolutions

Allegations of academic dishonesty are taken seriously by the College of Pharmacy faculty and Dean's Office. The faculty, with counsel from the Dean's Office, must investigate such allegations promptly, and resolve the issues fairly while also protecting students from unfounded allegations.

After discussing the allegations with the accused students and determining validity of the allegations, the faculty member can issue academic sanctions appropriate with the circumstances associated with the dishonest action. Substantiated corroborating evidence must be obtained before academic sanctions are imposed. Possible sanctions include retaking an exam(s), a grade reduction or a failing grade. The student is notified in writing of the allegation, evidence supporting the allegation and the sanction imposed. These sanctions may be appealed as outlined in a subsequent section of the Orientation Guide.

In no event shall the academic sanction imposed by a faculty member for a course be more severe than a failing grade. If the sanction is a failing grade, the faculty member must notify the department chair and Associate Dean for Academic Affairs of the academic dishonesty, and the circumstances that the faculty member believes justifies the imposition of a failing grade. The Dean of the College and the Senior Vice President for Health Sciences are also notified as appropriate.

If the faculty member, chair or vice president believes the student's academic dishonesty warrants an academic sanction more severe than a failing grade, they may refer the student through the Associate Dean for Academic Affairs to the College Academic Misconduct Committee with his/her recommendation. The responsibilities of the College Academic Misconduct Committee are discussed in subsequent sections of the Orientation Guide, as well as in the University of Utah Student Code.

Academic Misconduct Committee Investigations and Resolutions

The College Academic Misconduct Committee is composed of two faculty members from within the College of Pharmacy, one faculty member from outside of the College of Pharmacy and two Pharm.D. students.

The Committee then meets to determine whether the allegation presents disputed factual issues for hearing, and may determine whether a hearing would aid in the resolution of the issues or would otherwise be desirable.

If the Committee determines that a hearing would be beneficial, the Committee chair shall notify the

student, faculty member, department chair, Associate Dean for Academic Affairs and the Scholastic Standards Committee chair in writing at least fifteen (15) working days prior to the date of the hearing. Hearings must be conducted within a reasonable time of receiving the allegations. At least five (5) working days prior to the date of the hearing, the student against whom the allegation has been made, and the other party, must provide a written list of individuals requested to provide information and documents to be considered at the hearing to the other party and the Committee. Either party may be accompanied by any person as an advisor, including legal counsel. This individual may attend the hearing, but not directly participate in the proceedings other than as noted below. These hearings are closed to the public, although the hearings are recorded and copies will be available to any appropriate party upon request. Both parties have the right to question witnesses, present evidence and to call witnesses. The Committee is not bound by strict rules of legal evidence or procedure, and may consider any evidence deemed relevant. The University legal counsel shall serve as a resource to the Committee, and may be present at the hearing to provide guidance on substantive law and procedural matters only.

The Academic Misconduct Committee's deliberations and voting occur in closed sessions. The Academic Misconduct Committee must find, by a preponderance of evidence, that the student was engaged in the alleged academic dishonesty. The Committee may impose any academic sanctions it deems appropriate under the entire circumstances of the case. Possible sanctions include retaking an exam(s), a grade reduction or a failing grade, academic probation, suspension and/or dismissal from the Pharm.D. Program.

The Committee chair prepares a written report of the Committee's decision, including the basis for that decision, for immediate notification of the parties involved. Copies of the decision are forwarded to the Associate Dean for Academic Affairs, who notifies the Dean, the Senior Vice President for Health Sciences and Scholastic Standards Committee chair, as appropriate.

The Committee's decision and sanctions may be appealed to the Dean of the College and then the Senior Vice President for Health Sciences as described in a subsequent section of the Orientation Guide and the University of Utah Student Code.

CONSEQUENCES OF ACADEMIC SANCTIONS

If a student involved in an alleged act of academic dishonesty accepts the allegations and the academic sanctions imposed by the faculty member, the incident may be considered closed.

Even though the alleged academic dishonesty and the subsequent sanction may be accepted without appeal, the final grade received for the course as the result of the academic sanction may result in the College Scholastic Standards Committee imposing academic probation, suspension or dismissal from the Pharm.D. Program. The decision of the Scholastic Standards Committee usually takes the previous academic background of the student into consideration when taking such actions, as well as any further recommendations by other individuals or committees.

The College Scholastic Standards Committee will not institute the academic sanctions of probation, suspension or dismissal until all appeal processes undertaken by the involved parties are completed. The academic sanction of probation, suspension or dismissal imposed by the Scholastic Standards Committee as the result of the final grade received in the course(s) cannot be further appealed.

APPEALING SANCTIONS RESULTING FROM VIOLATIONS OF ACADEMIC INTEGRITY

Students may appeal allegations of academic misconduct, or academic sanctions resulting from such allegations imposed by a faculty member that they perceive to be arbitrary or capricious. The Scholastic Standards Committee will not institute academic probation, suspension or dismissal sanctions until any appeals are completed. Appeals should be directed to the following individuals or committees in sequence.

COLLEGE ACADEMIC MISCONDUCT COMMITTEE

If students and faculty are unable to resolve an issue regarding an alleged violation of academic integrity, or the student considers the academic sanction imposed by the faculty member to be arbitrary or capricious, the student may appeal to the College Academic Misconduct Committee in writing within forty (40) working days of receiving the academic sanction.

The written appeal should be submitted through the Associate Dean for Academic Affairs to the chair of the College Academic Misconduct Committee. Copies of the appeal are forwarded to the faculty member responsible for the course and the department chair. The Scholastic Standards Committee chair is also notified of the appeal. The faculty member who considered the allegations of academic dishonesty and assigned the sanction may respond to the appeal in writing within five (5) working days. The written response should be submitted to the Office of Student Affairs for distribution to the student, College Academic Misconduct Committee chair, Associate Dean for Academic Affairs, and Department Chair.

The Academic Misconduct Committee meets to determine whether a hearing should be held because the appeal presents possible disputed factual issues, or would be beneficial in resolving the allegation.

If the Committee determines that a hearing would be beneficial, the Committee chair will notify the student, faculty member, department chair, Associate Dean for Academic Affairs in writing at least fifteen (15) working days prior to the date of the hearing. If a hearing is not held, the Committee deliberates and votes in closed session.

Hearings must be conducted within a reasonable time of receiving the allegations. At least five (5) working days prior to the date of the hearing, the parties involved must provide a written list of individuals requested to provide information and documents to be considered at the hearing for the other party and the Committee. Either party may be accompanied by any person as an advisor, including legal counsel. This individual may attend the hearing, but not directly participate in the proceedings. These hearings are closed to the public, although the hearing is recorded and copies will be available to any participant upon request. Both parties have the right to question witnesses, present evidence and to call witnesses. The Committee is not bound by strict rules of legal evidence or procedure and may consider any evidence deemed relevant. The University legal counsel will serve as a resource to the Committee and may be present at the hearing to provide guidance on substantive law and procedural matters only.

The Academic Misconduct Committee's deliberations and voting occur in closed sessions. If the appeal involves allegations of academic misconduct, the Academic Misconduct Committee must find, by a

preponderance of evidence, that the student engaged in the alleged academic dishonesty. The Committee may impose any academic sanctions it deems appropriate under the entire circumstances of the case. Possible sanctions include retaking an exam(s), a grade reduction or a failing grade, academic probation, suspension and/or dismissal from the Pharm.D. Program. If the appeal involves academic sanctions resulting from violations of academic integrity, the Committee must find that the academic sanction imposed by the faculty member for academic misconduct was arbitrary and capricious.

The Committee chair prepares a written report of the Committee's decision, including the basis for that decision, for immediate distribution to the student, faculty members responsible for the course(s) and Associate Dean for Academic Affairs. The Associate Dean for Academic Affairs notifies the Dean of the College, the Senior Vice President for Health Sciences and Scholastic Standards Committee chair, as appropriate.

The Committee's decision and sanctions may be appealed to the Dean of the College and then the Senior Vice President for Health Sciences.

DEAN OF THE COLLEGE

Students or the faculty member(s) responsible for the course may appeal the College Academic Misconduct Committee's decisions involving either allegations of academic misconduct or academic sanctions resulting from violations of academic integrity to the Dean in writing within ten (10) working days of notification of the College Academic Misconduct Committee's decision. The written appeal should be sent to the Office of Student Affairs for distribution to the Dean of the College, Academic Misconduct Committee and the Associate Dean for Academic Affairs. The Associate Dean for Academic Affairs will notify other parties involved, including the Scholastic Standards Committee chair and the Senior Vice President for Health Sciences, as appropriate.

The Dean will consider the appeal and then notify in writing the student, faculty member, College Academic Misconduct Committee chair, Associate Dean for Academic Affairs and Scholastic Standards Committee chair within ten (10) working days of receipt of the appeal.

To overturn academic sanctions imposed by the faculty member or Academic Misconduct Committee, the Dean must find that the academic sanction was arbitrary or capricious. In considering appeals involving allegations of academic misconduct, the Dean must find, by a preponderance of evidence, that the student engaged in alleged academic dishonesty. Academic, professional and ethical backgrounds while enrolled in the College of Pharmacy Pharm.D. Program are taken into consideration by the Dean.

SENIOR VICE PRESIDENT FOR HEALTH SCIENCES

The student, faculty member or College Academic Misconduct Committee chair may appeal the Dean's decision in writing to the Senior Vice President for Health Sciences within ten (10) working days of notification of the Dean's decision.

Written appeals should be submitted to the Office of Student Affairs for distribution to the Senior Vice President, the Dean, the other individuals involved (the student, claimant, Academic Misconduct Committee chair, or faculty member who may have assigned an academic sanction). The Dean should

notify the Associate Dean for Academic Affairs and Scholastic Standards Committee chair of the appeal.

The Senior Vice President may solicit whatever counsel and advice deemed appropriate to reach a decision. An ad hoc committee composed of students and faculty from outside the college or department may be convened to determine whether the student has been given due process and to determine whether there were substantial defects in the process which denied the student basic fairness and due process.

The Senior Vice President must notify in writing the party submitting the appeal and the Dean of his/her decision and the basis for that decision within twenty (20) working days of the receipt of the appeal. The Dean then notifies the Associate Dean for Academic Affairs, other parties involved in the allegation, and the Scholastic Standards Committee chair of the Senior Vice President's decision.

The decision of the Senior Vice President for Health Sciences is final.

The Associate Dean for Academic Affairs and Scholastic Standards Committee chair will take appropriate action to implement the final decision of the appeal processes.

VIOLATIONS OF PROFESSIONAL OR ETHICAL STANDARDS

Professional students are preparing to enter a highly respected, but highly regulated, profession. The Pharm.D. Program provides the foundation from which students begin to acquire the attitudes, skills and behaviors that are expected of the profession. Attention to professional, ethical, legal and personal standards becomes even more critical as professional students interact with colleagues, faculty preceptors, other health care professionals, other participants or individuals overseeing an educational experience and the public.

RESPONSIBILITIES

It is the responsibility of the students, faculty members overseeing didactic and experiential courses, and the College of Pharmacy to assure that students are upholding the professional and ethical standards of pharmacy. Because pharmacy students interact extensively with other health care professionals and the public during their tenure in the Pharm.D. Program, allegations of professional or ethical misconduct may be brought to the College's attention from other sources such as professional colleagues in the health sciences, the Board of Pharmacy or the public. Allegations of violations of such standards must be made in writing to the Associate Dean for Academic Affairs of the College.

INVESTIGATING AND RESOLVING ALLEGATIONS

Professional and Ethical Misconduct

All allegations of professional or ethical misconduct are taken seriously by the College of Pharmacy faculty and Dean's Office. Unprofessional and/or negligent conduct toward patients, other professional students, faculty, pharmacists, or other health care personnel are not tolerated.

Allegations of professional and ethical misconduct should be reported in writing to the Associate Dean for Academic Affairs. The identity of the individuals who filed a written complaint regarding the allegations will be kept confidential to the extent possible. However, their identities may be revealed as investigations and hearings are pursued by the Dean's Office, Academic Misconduct Committee or at higher levels of appeal.

The Associate Dean for Academic Affairs will discuss the alleged violations or misconduct with the accused students and provide them with an opportunity to respond. The claiming parties and any other persons believed to have pertinent factual knowledge of the allegations may be interviewed. Other relevant evidence, including documentary evidences, may also be reviewed by the Associate Dean for Academic Affairs.

If the Associate Dean for Academic Affairs determines that there is inadequate evidence that a student has violated the professional or ethical standards of pharmacy, they will notify the student. Any written allegations and documentation will be kept in a secured file separate from student academic records. The matter will be considered closed, and the written documentation destroyed following the completion of the student's program of study.

Informal Resolution: If there is a reasonable basis for believing a student has violated professional and

ethical standards of the profession, the Associate Dean for Academic Affairs may determine that informal resolution is appropriate. If so, the Associate Dean for Academic Affairs shall take the necessary steps to reach an informal resolution. The resolution, means of monitoring compliance with the resolution, and the consequences if the terms of the resolution are not upheld are agreed to in writing by the student and a representative of the Dean's Office. The Associate Dean for Academic Affairs monitors student compliance with the terms and conditions of the resolution. If the student upholds the informal resolution, no further actions will be taken and the matter will be closed.

A student may be requested to undergo further evaluation, remediation or referral to other professionals or programs in order to determine whether such interventions may form the basis of informal resolutions to the allegations. If evaluations, remediation and/or referrals are appropriate interventions and are agreed to by the student, the Associate Dean for Academic Affairs will refer the student to the appropriate professional services or programs. The recommendations from such professional services or programs are the basis of a written contract agreed to by the student and the College of Pharmacy. The necessary terms, monitoring and consequences for failure to uphold the terms in this written contract are agreed to and signed by both the student and a representative of the College of Pharmacy.

Documentation associated with such allegations of professional or ethical misconduct, as well as the evaluation, remediation or referral program and monitoring agreed to by the student and the College of Pharmacy are kept in confidential files separate from the student's academic file.

Academic sanctions of probation, suspension or dismissal will be imposed, as agreed to between the two parties, if the terms of such contracts are not upheld by the student. These sanctions cannot be further appealed.

Academic Misconduct Committee: If either the Associate Dean for Academic Affairs or the student deem informal resolutions are not appropriate or evaluations, remediation and/or referral programs are inappropriate interventions, the student is notified in writing that the allegations are being referred to the College Academic Misconduct Committee for further investigation and resolution. The written allegations and associated documentation are forwarded to the chair of the College Academic Misconduct Committee. The Scholastic Standards Committee chair is also notified.

The Academic Misconduct Committee, composed of faculty and students as previously described, then meets to determine whether a hearing would be desirable. Hearings are usually held if the allegations present disputed factual issues for hearing, or would aid in the resolution of the issues.

If the Committee determines that a hearing would be beneficial, the Committee chair notifies the involved parties and Associate Dean for Academic Affairs in writing at least fifteen (15) working days prior to the date of the hearing. Hearings must be conducted within a reasonable time of the Committee's receipt of the allegations. At least five (5) working days prior to the date of the hearing, the involved parties must provide in writing a list of individuals requested to provide information and documents to be considered at the hearing to the other party and the Committee. The parties may be accompanied by any person as an advisor, including legal counsel. This individual may attend the hearing, but not directly participate in the proceedings. These hearings are closed to the public, although the hearing is recorded and copies would be available to any participant upon request. The parties have the right to question witnesses, present evidence and to call witnesses. The Committee is not bound by

strict rules of legal evidence or procedure and may consider any evidence deemed relevant. The University legal counsel will serve as a resource to the Committee, and may be present at the hearing to provide guidance on substantive law and procedural matters only.

The Academic Misconduct Committee meets in closed sessions following the hearing, if required, to deliberate and vote. All findings and decisions of the Committee require a majority vote. The Committee must find, by a preponderance of evidence, that the student engaged in the alleged professional or ethical misconduct. The Committee may impose any academic sanctions it deems appropriate under the entire circumstances of the case. Possible sanctions include, but are not limited to, academic probation, suspension and/or dismissal from the Pharm.D. Program.

The Committee chair prepares a written report of the Committee's decision, including the basis for that decision, for immediate notification of the parties involved and the Associate Dean for Academic Affairs. The Associate Dean for Academic Affairs notifies the Dean of the College, the Senior Vice President for Health Sciences and the Scholastic Standards Committee chair, as appropriate. The Committee's decision may form the basis of a written contract agreed to by the student and the College of Pharmacy. The necessary terms, monitoring and consequences for failure to uphold the terms in this written contract are agreed to and signed by both the student and a representative of the College of Pharmacy.

The Committee's decision and sanctions may be appealed to the Dean of the College and then the Senior Vice President for Health Sciences, as described in a subsequent section of the Orientation Guide, and the University of Utah Student Code.

Substance Abuse or Chemical Dependency

Students who appear to be experiencing substance abuse or chemical dependency problems may be offered an opportunity for evaluation, treatment and rehabilitation if they have not previously sought such assistance.

Licensed Pharmacy Interns: Students holding an intern license from the State of Utah will be referred to the State of Utah Recovery Assistance Program for Health Care Professionals, which may institute a structured monitoring program as set forth in a written contract between the student, College of Pharmacy and Recovery Assistance Program. Individuals may be accepted into the State of Utah Recovery Assistance Program only once.

Other Violations of the Student Code

Cases of professional or ethical misconduct by students enrolled in the Pharm.D. Program involving standards of conduct other than those specified above are to be reported in writing to the Associate Dean for Academic Affairs of the College. These cases will be acted upon by the Academic Misconduct Committee as previously described.

CONSEQUENCES OF PROFESSIONAL OR ETHICAL MISCONDUCT VIOLATIONS

Professional and Ethical Misconduct or Other Violations of the Student Code

If students involved in alleged violations of the Professional or Ethical Codes of Conduct, or the University of Utah Student Code accept the allegations, informal resolution is agreed to with the Associate Dean for Academic Affairs, and the terms and conditions of the written contract are adhered to and/or completed, the incident may be considered closed.

The College Scholastic Standards Committee will not institute the academic sanctions of probation, suspension or dismissal until all appeals processes undertaken by the involved parties are completed. The academic sanction of probation, suspension or dismissal imposed by the Scholastic Standards Committee cannot be further appealed.

Written contracts and associated documentation pertaining to the violation will be kept confidential in a locked file separate from the student's academic file. The Associate Dean for Academic Affairs will monitor whether students comply with the terms of their written contracts or any academic sanctions deemed appropriate by the Associate Dean for Academic Affairs and/or Academic Misconduct Committee.

Students failing to uphold the terms of written contracts and/or sanctions may be suspended or dismissed from the Pharm.D. Program.

APPEALING ALLEGATIONS OR ACADEMIC SANCTIONS RESULTING FROM VIOLATIONS OF PROFESSIONAL AND ETHICAL CODES

Students may appeal academic sanctions imposed by the College Academic Misconduct Committee resulting from allegations of professional or ethical misconduct that are perceived to be arbitrary or capricious. The Scholastic Standards Committee will not institute academic probation, suspension or dismissal sanctions until any appeals are completed. Appeals should be directed to the following individuals or committees in sequence.

DEAN OF THE COLLEGE

Students may appeal the academic sanctions imposed by the College Academic Misconduct Committee resulting from allegations of professional or ethical misconduct to the Dean in writing within ten (10) working days of notification of the College Academic Misconduct Committee's decision. The College Scholastic Standards Committee will not act on any recommended academic sanctions until any appeals are decided.

The appeal should be submitted in writing to the Office of Student Affairs. Copies will be distributed to the other individuals involved (individual(s) making allegations, College Academic Misconduct Committee chair) and Associate Dean for Academic Affairs. The Scholastic Standards Committee chair will be notified of the appeal if appropriate.

Following consideration of the appeal, the Dean notifies in writing the student, College Academic Misconduct Committee chair and Associate Dean for Academic Affairs within ten (10) working days of receipt of the appeal.

In addition to the appeal, the Dean may consider the academic background of students involved, evidence available to the Academic Misconduct Committee, and the process followed in reporting, investigating and resolving the allegations. The Misconduct Committee's decision can be overturned only if the Dean perceives the decision to be arbitrary and capricious, or due process was not followed.

SENIOR VICE PRESIDENT FOR HEALTH SCIENCES

Either party involved in the allegations or the Academic Misconduct Committee chair may appeal the Dean's decision in writing to the Senior Vice President for Health Sciences within ten (10) working days of notification of the Dean's decision.

The Vice President provides a copy of the appeal to the Dean. The Dean notifies the other parties involved, Academic Misconduct Committee chair and Associate Dean for Academic Affairs. The Scholastic Standards Committee chair may be notified, if appropriate.

The Vice President may solicit whatever counsel and advice deemed appropriate to reach a decision. An ad hoc committee composed of students and faculty from outside the college or department may be convened to review the process given to the student and to determine whether there were substantial defects in the process which denied the student basic fairness and due process.

The Senior Vice President shall notify in writing the appealing party and the Dean of his/her decision and the basis for that decision within twenty (20) working days of the receipt of the appeal. The Dean informs the other parties involved including the Academic Misconduct Committee chair and the Associate Dean for Academic Affairs. The decision of the Senior Vice President for Health Sciences is final. The Associate Dean for Academic Affairs and Scholastic Standards Committee chair shall take appropriate action to implement the final decision of the Senior Vice President for Health Sciences.

COLLEGE OF PHARMACY

FACULTY

and

**DEAN'S OFFICE
STAFF**

DEAN'S OFFICE**581-6731**

Chris M. Ireland, Ph.D.	Dean	201 SKH	581-3402
Mark A. Munger, Pharm.D.	Associate Dean for Academic Affairs	201 SKH	581-6165
Michael R. Franklin, Ph.D.	Associate Dean for Faculty/Research	390D BPRB	581-7014
William A. McCreary, Ph.D.	Associate Dean for Finance	204 SKH	585-5794
Elizabeth Young, Pharm.D.	Assistant Dean for Experiential Education	5515J HSEB	213-3421
Donald Blumenthal, Ph.D.	Assistant Dean for Assessment	31 SKH	585-3094
Mario E. Alburges, Ph.D.	Coordinator, Diversity	102B SKH	581-5502

Dean's Office Staff

David Bardsley	Administrative Manager	25 SKH	581-6808
Denise M. Brenes	Director of Student Affairs	250F SKH	581-1848
Ryan Boyack	Development Director	205 SKH	581-8704
Mike Cameron	PEP Program Coordinator	5515H HSEB	213-3553
Stephanie Chou	Academic Advisor	250H SKH	581-5384
Jane Fujinami	Computer Technician	4 SKH	585-3193
Gisel Gomez	Computer Professional	14 SKH	585-9025
Laura Hamilton	Executive Assistant to the Dean	201 SKH	581-3402
Marion Lennberg	Alumni/Development	205 SKH	581-7503
Nicole Paulsen	Computer Technician	14 SKH	585-9025
Meagan Rockne	Academic Coordinator	302 SKH	581-7046
Weston Tolman	Computer Operations Manager	4 SKH	585-3193

PHARMACEUTICS AND PHARMACEUTICAL CHEMISTRY**585-0070**

David W. Grainger, Ph.D.	Distinguished Professor and Chair	301 SKH	581-7831
Sung-Wan Kim, Ph.D.	Distinguished Professor	205A BPRB	581-6801
Jindrich Kopecek, Ph.D.	Distinguished Professor	205B BPRB	581-7211
John W. Mauger, Ph.D.	Professor/VP of Health Sciences	201 SKH	585-5322
Pavla Kopeckova, Ph.D.	Professor, Emeritus	205C BPRB	581-7349
William Higuchi, Ph.D.	Distinguished Professor, Emeritus	210 SKH	585-1268
You Han Bae, Ph.D.	Professor	421 Wakara Way #315	585-1518
Hamid Ghandehari, Ph.D.	Professor	SMBB 5215	587-1565
James N. Herron, Ph.D.	Associate Professor	108B BPRB	581-7303
Carol S. Lim, Ph.D.	Associate Professor	421 Wakara Way #305	587-9711
Darin Furgeson, Ph.D.	Assistant Professor	421 Wakara Way #311	581-7271

MEDICINAL CHEMISTRY

581-5581

Darrell Davis, Ph.D.	Professor and Chair	295E BPRB	581-7006
Chris Ireland, Ph.D.	Professor and Dean	201 SKH	581-8305
Glenn D. Prestwich, Ph.D.	Presidential Professor	419 Wakara Way #205	585-9051
Kuberan Balagurunathan, Ph.D.	Associate Professor	295C BPRB	587-9474
Grzegorz Bulaj, Ph.D.	Associate Professor	421 Wakara Way #360	581-4629
Thomas E. Cheatham, Ph.D.	Associate Professor	418 INSCC/295A BPRB	587-9652
Eric W. Schmidt, Ph.D.	Associate Professor	295D BPRB	585-5234
Amy M. Barrios, Ph.D.	Assistant Professor	311A SKH	581-3198
Riccardo Baron, Ph.D.	Assistant Professor	26 SKH	585-7117
Ryan M. Van Wagoner, Ph.D.	Research Associate Professor	309 SKH	581-4932

PHARMACOLOGY AND TOXICOLOGY

581-6287

William R. Crowley, Ph.D.	Professor and Chair	112 SKH	581-6287
James W. Gibb, Ph.D.	Professor, Emeritus	410D BPRB	585-1946
Douglas E. Rollins, M.D.,Ph.D.	Professor, Emeritus**	417 Wakara Way #2111	581-5117
Harold H. Wolf, Ph.D.	Professor, Emeritus*	417 Wakara Way #3211	581-4028
Louis R. Barrows, Ph.D.	Professor	35 SKH	581-4547
Steven R. Bealer, Ph.D.	Professor	408B BPRB	587-7706
Annette Fleckenstein, Ph.D.	Professor	116 SKH	585-7474
Michael R. Franklin, Ph.D.	Professor	390D BPRB	581-7014
Glen R. Hanson, D.D.S., Ph.D.	Professor	105 SKH	581-3174
Kristen A. Keefe, Ph.D.	Professor	102A SKH	585-7989
H. Steve White, Ph.D.	Professor*	417 Wakara Way #3211	581-6447
Karen S. Wilcox, Ph.D.	Professor*	417 Wakara Way #3211	581-4081
Garold S. Yost, Ph.D.	Professor	390C BPRB	581-7956
Donald K. Blumenthal, Ph.D.	Associate Professor	31 SKH	585-3094
Philip J. Moos, Ph.D.	Associate Professor	410C BPRB	585-5952
Lester M. Partlow, Ph.D.	Associate Professor	408A BPRB	581-3679
Andrea Bild, Ph.D.	Assistant Professor	410A BPRB	581-6353
David E. Moody, Ph.D.	Research Professor**	417 Wakara Way #2111	581-5117
Mario E. Alburges, Ph.D.	Research Associate Professor	102B SKH	581-5502
Christopher A. Reilly, Ph.D.	Research Associate Professor	390B BPRB	581-5236
John M. Veranth, Ph.D.	Research Associate Professor	408D BPRB	581-3789
Diana G. Wilkins, Ph.D.	Research Associate Professor**	417 Wakara Way #2111	581-5117
Brian Klein, Ph.D.	Research Assistant Professor*	417 Wakara Way #3211	581--1897
J. Gregory Lamb, Ph.D.	Research Assistant Professor	390 BPRB	585-0938
Matthew H. Slawson, Ph.D.	Research Assistant Professor**	417 Wakara Way #2111	581-5117
Roy Smeal, Ph.D.	Research Assistant Professor*	417 Wakara Way #3211	585-7266
Misty Smith, Ph.D.	Research Assistant Professor*	417 Wakara Way #3211	581-3190
Jong-Hyun Son, Ph.D.	Research Assistant Professor	102 SKH	585-1253
Peter West, Ph.D.	Research Assistant Professor*	417 Wakara Way #3211	581-8971

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PHARMACOTHERAPY**581-5941**

Diana I. Brixner, R.Ph., Ph.D.	Professor and Chair	258 SKH	581-3182
David C. Young, Pharm.D.	Clinical Associate Professor/ Vice Chair	252 SKH	581-8510
Mark A. Munger, Pharm.D.	Professor/Associate Dean, Academic Affairs	201 SKH	581-6165
Arthur G. Lipman, Pharm.D.	Professor	259 SKH	581-5986
Nancy Nickman, M.S., Ph.D.	Professor	264 SKH	581-6239
Gary M. Oderda, Pharm.D., M.P.H.	Professor	268 SKH	581-6257
Michael Goodman, Ph.D.	Assistant Professor	267 SKH	581-8054
Joanne LaFleur, Pharm.D., M.S.P.H.	Assistant Professor	421 Wakara Way #421	581-8194
Jim Ruble, Pharm.D., J.D.	Assistant Professor	250E SKH	581-4514
Barbara Crouch, Pharm.D., M.S.P.H.	Clinical Professor	585 Komas Dr. #200	587-0605
Laura Shane-McWhorter, Pharm.D.	Clinical Professor	260 SKH	585-9564
Linda S. Tyler, Pharm.D.	Clinical Professor	A050 UH	581-2732
Karen M. Gunning, Pharm.D.	Clinical Associate Professor	265 SKH	587-9553
Patricia Orlando, Pharm.D., F.C.C.P.	Clinical Associate Professor	261 SKH	581-7545
Kort DeLost, Pharm.D.	Clinical Assistant Professor	258 SKH	581-6205
Sarah Feddema, Pharm.D., B.C.P.S.	Clinical Assistant Professor	263 SKH	587-9203
Holly Gurgle, Pharm.D.	Clinical Assistant Professor	267 SKH	585-0982
Brandon T. Jennings, Pharm.D.	Clinical Assistant Professor	266 SKH	581-3044
Heather Nyman, Pharm.D.	Clinical Assistant Professor	262 SKH	587-9594
Lynda H. Oderda, Pharm.D.	Clinical Assistant Professor	253 SKH	581-6304
Joseph E. Biskupiak, M.B.A., Ph.D.	Research Associate Professor	421 Wakara Way #421	585-5249
Frederick S. Albright, M.S., Ph.D.	Research Assistant Professor	201 SKH	585-5722
Carrie McAdam-Marx, M.S., Ph.D.	Research Assistant Professor	421 Wakara Way #421	587-7728
David D. Stenehjem, Pharm.D.	Research Assistant Professor	421 Wakara Way #208	587-9715
Elizabeth Young, Pharm.D.	Adjunct Associate Professor and Assistant Dean, Experiential Education	5515J HSEB	213-3421

**STUDENT
RECOGNITION
AWARDS
and
ORGANIZATIONS**

STUDENT RECOGNITION

The College of Pharmacy recognizes the achievements of professional students in their academic and professional endeavors through letters of commendation, induction into honor societies, professional awards as well as scholarships. Besides the honors at graduation or induction into honor societies at the university level, recognition at the college level includes:

DEAN'S LIST

The University of Utah College of Pharmacy recognizes professional students who achieve excellence in scholarship (GPA > 3.5) each semester during the academic year. Students receive a letter of commendation from the Dean for their achievements.

RHO CHI HONOR SOCIETY

The Rho Chi Society is the honor society for the pharmacy profession and encourages and promotes scholarly achievement in the pharmaceutical sciences. Membership is attained through election by peers and faculty. Candidates are eligible for election if they demonstrate academic excellence. The University of Utah is the Beta Epsilon chapter, established in 1955.

Membership is limited to professional entry-level degree students who:

1. are full-time students enrolled in a professional pharmacy program that is accredited by or has been granted candidate status by the Accreditation Council for Pharmacy Education (ACPE), or the Canadian Council for the Accreditation of Pharmacy Programs, and
2. have completed no less than one-half of the required professional didactic course work as defined for their degree, and
3. rank in the highest 20 percent of their class as determined by the school or college in which they are enrolled and have attained a minimum professional grade point average (GPA) of 3.0 on a 4.0 scale, and
4. have been certified eligible for membership by the dean of the pharmacy school or the dean's designee.

Individuals shall become members of the Society upon compliance with membership requirements, election to membership by the active members of local chapters, report and payment of member fees to the National Office, and after being duly initiated by the chapter membership.

The Rho Chi Society encourages and recognizes excellence in intellectual achievement and advocates critical inquiry in all aspects of pharmacy. The Society further encourages high standards of conduct and character and fosters fellowship among its members. The Society seeks universal recognition of its

members as lifelong intellectual leaders in pharmacy, and as a community of scholars, to instill the desire to pursue intellectual excellence and critical inquiry to advance the profession.

The Beta Epsilon chapter of Rho Chi at the University of Utah is active in the pharmacy community, coordinating a residency information night for students interested in learning more about residencies. Rho Chi - Beta Epsilon chapter is also active in the community, providing a unique event each year - the Spring Egg Hunt for children with diabetes and their families.

ACHIEVEMENTS IN PHARMACEUTICAL CARE

Faculty nominate graduating students who have achieved excellence in specific aspects of pharmaceutical care for various awards. These graduating students are recognized at an annual event and receive a commendation. The awards include but are not limited to:

APhA –ASP Senior Recognition Certificate
Facts and Comparisons Award for Clinical Communication
Lilly Achievement Award
Merck Award for Clinical Toxicology
Mylan Pharmaceuticals Excellence in Pharmacy
Natural Medicines Comprehensive Database Award
Service Learning Scholar Award
TEVA Pharmaceuticals USA Outstanding Student Award
USHP Student Service Award
US Public Health Service Award
University of Utah Alumni Association Outstanding Senior Award
University of Utah College of Pharmacy Dean's Award
University of Utah College of Pharmacy Outstanding Seminar Award
University of Utah College of Pharmacy Distinguished Service Award
University of Utah College of Pharmacy Distinguished Professionalism Award
University of Utah College of Pharmacy Distinguished Leadership Award

2012-2013 STUDENT ORGANIZATION OFFICERS

Utah Student Pharmacist Alliance (USPA)

President:	<i>Emmeline Tran</i>
President-Elect:	<i>Hannah Pratt</i>
Vice-President Membership:	<i>Carolyn Sandstrom</i>
Vice-President Student Affairs:	<i>Keith Chow</i>
Vice-President Public Relations:	<i>Andy Dwenger</i>
Secretary:	<i>Hilary Garland</i>
Treasurer:	<i>Nancy Ajwani</i>
Historian:	<i>Devin Stock</i>
President APhA-ASP:	<i>Eve Van Wagoner</i>
President-Elect APhA-ASP:	<i>Hannah Spinner</i>
President ASHP:	<i>Laura Sower</i>
President-Elect ASHP:	<i>Nick Vamianakis</i>
President NCPA:	<i>Cole Sloan</i>
President-Elect NCPA:	<i>Nick Cox</i>
President AMCP:	<i>Erin Gellis</i>
President-Elect AMCP:	<i>Jessica Patton</i>
HSSC representatives:	<i>Jonathan Newbold, Nick Estrada</i>

Faculty Advisors:

USPA:	Dave Young
APhA-ASP:	Dave Young
ASHP-SSHP:	Sarah Stephens
AMCP:	Michael Goodman
NCPA:	Jim Ruble
ISPOR:	Michael Goodman

Rho Chi Beta Epsilon chapter (2012-2013 officers to be elected)

President:	<i>Benjamin Bruno</i>
Vice President:	<i>Scott Nelson</i>
Treasurer:	<i>Sean Berrett</i>
Secretary:	<i>Sydney Tew</i>
Historian:	<i>Huong Nguyen</i>

Faculty Advisor: **Karen Gunning**

Phi Lamda Sigma

President: *Katherine Walter*
Vice President: *Emily Turley*
Treasurer: *Matt Alvey*
Secretary: *Stephanie Adams*
Faculty Advisor: **Brandon Jennings**

Student Advisory Committee (SAC)

P1: *To be elected*
P2: *To be elected*
P3: *To be elected*
P4: *Ethan Allen*

ASUU

Senate: *Hannah Pratt*
Representative: *Michael Isham*

ALUMNI ASSOCIATION

Student Representatives: *Eve Van Wagoner (P3)*
Hannah Spinner (P2)
Andrew Dwenger (P2)

STUDENT ORGANIZATION ADVISORS

Julien Ta (P2)
Nicholas Cox (P2)

STUDENT ADVISORY COMMITTEE (SAC)

The Student Advisory Committee (SAC) is composed of representatives from all classes of professional students and Ph.D. students. The P1 class will be requested to elect a representative early in the Fall Semester. Get to know your classmates soon so that you can elect someone who will effectively represent you throughout your professional schooling.

One of the purposes of the SAC is to facilitate communication between the College administration and the students and between the students themselves. The SAC representatives meet on a regular basis with the Dean and Associate Dean for Academic Affairs at which time matters of mutual interest are discussed. Students are encouraged to utilize their AC representative to communicate concerns anonymously and/or collectively to the College administration.

The SAC performs a vital role in making recommendations to the departments, college, the Dean and University officials concerning the retention, promotion and tenure of college faculty members. SAC representatives are asked to perform reviews of specified faculty one or more times a year from a student perspective. SAC representatives are asked to attend a university workshop on the retention, promotion, and tenure process each year. SAC representatives attend the College Council meetings each semester.

As is apparent from the above, the SAC has a number of important functions. It is vital that the P1 class elect a representative who will be responsive to the needs of the class, and who will effectively communicate student concerns to the College administration. Your SAC representative will serve for two years and then another election will take place at which time your class will either elect a new representative or retain the current representative. Therefore, when the election occurs, make your selection with care.

UTAH STUDENT PHARMACIST ALLIANCE (USPA)

We, the officers of USPA, welcome you to the University of Utah College of Pharmacy. USPA is an umbrella student organization that was founded to foster the professional development of student pharmacists; to enhance learning of the pharmaceutical sciences; to promote career development; and to facilitate cooperation and integration among the various pharmacy student organizations' at the University of Utah College of Pharmacy. Please visit our website http://www.pharmacy.utah.edu/Student_Information/pharmDstudents/studentorgs/index.html for more information regarding USPA.

USPA is an umbrella student organization that includes the following national organizations:

1. American Pharmacists Association Academy of Student Pharmacists (APhA-ASP)
2. American Society of Health System Pharmacists Student Society (ASHP-SSHP)
3. National Community Pharmacists Association Student Society (NCPA)
4. Academy of Managed Care Pharmacy (AMCP)

USPA will also include student members of the following state organizations:

1. The Utah Pharmacists Association (UPhA)
2. The Utah Society of Health System Pharmacists (USHP)

USPA is responsible for the organizing and coordinating all of the student's events and or functions that are implemented by the students organizations listed above. As a result, USPA provides a plethora of opportunities for students to develop as a professional some of which are listed below:

1. Leadership positions within USPA and its corresponding student organizations
2. Member and or Chair of numerous of Student Activity Committees
3. Networking with local, regional, and national professionals
4. Admission to the Noon USPA Conferences to learn about potential career opportunities
5. Monetary assistance for attending regional and national meetings

Approximately, 65% of the student body at the University of Utah College of Pharmacy are currently active members. USPA conducts a membership drive at the beginning of both the fall and spring semesters.

Membership runs from November 1st to October 31st with dues being \$25 (2011-2012 dues). USPA has a bundled membership option in which you would pay USPA \$60-65 (2011-2012 dues) which would cover the cost of USPA membership dues and one of the professional organizations listed below (i.e. APhA-ASP, ASHP, NCPA).

We congratulate you on your acceptance into the College of Pharmacy and in your choice of professions. We look forward to meeting you during the membership drive and recruitment campaign.

AMERICAN PHARMACISTS ASSOCIATION ACADEMY OF STUDENTS OF PHARMACY (APHA-ASP)

APhA-ASP is the student organization of the American Pharmacists Association (APhA). APhA seeks to define and improve the practice of pharmacy in many different areas. In order to supplement the educational experience of pharmacy students, APhA works through the local student APhA-ASP chapters. The local society of the national association is the Utah Pharmacists Association (UPhA). UPhA has generously offered **free student membership** for all members of USPA. Your membership runs from November 1st to October 31st of each academic year.

The goal of APhA-ASP is to increase students' professionalism and to promote both the mission of APhA and the profession of pharmacy through numerous activities.

The 12,000 members nationwide have the opportunity to:

1. Compete in local and national Patient Counseling Competitions
2. Investigate Community Pharmacy Residency Programs and Future Career Opportunities
3. Participate in APhA Summer Internship Program
4. Develop leadership skills through participation in local and national committees

5. Advance the profession of pharmacy through participation in Advocacy & Policy Committees
6. Opportunity to Organize and Participate in Professional Activities
7. Opportunity to Organize and Participate in Patient Care Projects
8. Attend and Network with other Pharmacy Students at Three Different Conventions Throughout the Year

On the lighter side, our APhA-ASP chapter sponsors a fall and spring College picnic, and various other social functions throughout the year.

Approximately, 65% of the student body at the University of Utah College of Pharmacy are currently active members.

Membership runs from November 1st to October 31st with dues being \$40 (2011-2012 dues).

As members of APhA-ASP you will receive three publications that update students on APhA and student issues/activities. These publications include:

1. American Pharmacy Journal - published monthly
2. Pharmacy Today - bimonthly newsletter
3. Pharmacy Student - published every semester

Additional benefits of membership include:

1. Free liability insurance for fourth year pharmacy students (on rotations)
2. Discounts for several software, textbooks, and publications
3. Free membership to the Utah Pharmacists Association (UPhA)
4. Free membership to the Utah Society of Health-System Pharmacists (USHP)
5. Free College of Pharmacy Student Directory

AMERICAN SOCIETY OF HEALTH-SYSTEMS PHARMACISTS (ASHP-SSHP)

The American Society of Health-System Pharmacists (ASHP) is the national professional association that represents pharmacists in organized health care settings. ASHP is an organization structured to offer members the opportunity to influence policy and activities affecting the practice of pharmacy.

The local society of the national association is the Utah Society of Health-Systems Pharmacists (USHP). USHP has generously offered **free student membership** for all members of USPA. Your membership runs from November 1st to October 31st of each academic year.

As an organization, our goals and objectives are to provide educational programs for the students and faculty, assist in providing an adequate future supply of organized health-care pharmacists, and provide

information on drug therapy, health care and hospital pharmacy to interested individuals.

Our mission is to represent the students and provide leadership that will enable students to provide quality pharmaceutical services that foster efficacy, safety and cost effectiveness of drug use; to contribute and provide quality pharmaceutical services; to contribute and provide programs and services that emphasize the health needs of the public and the prevention of disease; and to promote pharmacy as an essential component of the health care team.

Annual student dues for ASHP are \$40 (2011-2012). With membership in ASHP the student also becomes a member of the national society and receives:

1. Monthly ASHP newsletter and quarterly studentline newsletter
2. Latest edition of the Practice Standards of the American Society of Health-System Pharmacists
3. Information on the Personal Placement Service (PPS) and pharmacy residencies
4. Literature on available insurance programs offered to ASHP members
5. Reduced prices on various publications such as AHFS Drug Information
6. 24 issues of the American Journal of Health-System Pharmacy
7. Access to information online via ASHP's website
8. Reduced prices on registration for the Annual and Midyear meetings

NATIONAL COMMUNITY PHARMACISTS ASSOCIATION (NCPA)

The **National Community Pharmacists Association**, founded in 1898 as the National Association of Retail Druggists (NARD), represents the pharmacist owners, managers, and employees more than 24,000 independent community pharmacies across the United States. The nation's independent pharmacies, independent pharmacy franchises, and independent chains dispense nearly half of the nation's retail prescription medicines.

NCPA is dedicated to the following goals:

1. Continuing growth and prosperity of independent community pharmacy in the United States
2. Representing the professional and proprietary interests of independent community pharmacists and will vigorously promote and defend those interests
3. Providing high-quality pharmacist care and to restoring, maintaining, and promoting the health and well-being of the public we serve
4. Fostering the inherent virtues of the American free enterprise system and will do all we can to ensure the ability of independent community pharmacists to compete in a free and fair marketplace
5. Value the right to petition the appropriate legislative and regulatory bodies to serve the needs of those we represent
6. Utilize our resources to achieve these ends in an ethical and socially responsible manner

Memberships in NCPA provides the following benefits:

1. Opportunities to be active in current local and national legislation
2. Subscriptions to American Pharmacist Magazine and NCPA eNews Weekly
3. Develop Student leadership skills via leadership positions
4. Participation in national Pruitt-Schutte Student Business Plan Competition
5. Available Scholarships and student loans
6. Search Internship and employment database

Annual student dues for NCPA are \$35 (2011-2012).

ACADEMY OF MANAGED CARE PHARMACY (UU-AMCP)

Academy of Managed Care Pharmacy is focused on using managed care pharmacy to improve health care for all and is the newest student chapter at our college. AMCP's vision is managed care pharmacy improving health care for all.

The Academy of Managed Care Pharmacy is focused on using managed care principles to improve health care for all. The U of U AMCP is the newest student chapter at our college. Student members can get involved in the Pharmacy and Therapeutics (P&T) Committee Local Competition. Our chapter's best P&T team is also eligible for over \$4000 to attend and compete at the Spring Annual Conference. Membership also includes a subscription to the *Journal of Managed Care Pharmacy (JMCP)* and the *Daily Dose* newsletter. Student members from our local chapter have found leadership opportunities as the AMCP delegate in the APhA-ASP House of Delegates and have been selected for the competitive summer internship program. Members are also eligible for reimbursement from our local chapter and ASUU to attend the Fall Educational and Spring Annual conferences.

Annual student dues for AMCP are \$35 (2011-2012).

INTERNATIONAL SOCIETY OF PHARMACOECONOMIC OUTCOMES RESEARCH (UU-ISPOR)

The mission of the UU-ISPOR student chapter is to provide a forum for gaining knowledge and developing leadership skills necessary for professional advancement in pharmacoeconomics and outcomes research by increasing awareness of the goals and objectives of the Society and working together with members of the pharmaceutical industry, health care related organizations, and academia.

ISPOR promotes the science of pharmacoeconomics (health economics) and outcomes research (the scientific discipline that evaluates the effect of health care interventions on patient well-being including clinical outcomes, economic outcomes, and patient-reported outcomes) and facilitates the translation of this research into useful information for healthcare decision-makers to ensure that society allocates scarce health care resources wisely, fairly and efficiently. ISPOR is a fully international, educational and scientific organization that embraces health care researchers from all disciplines conducting health care outcomes research. These disciplines include pharmacoeconomics (health economics), epidemiology

(pharmacoepidemiology), decision analysis, modeling, risk assessment, patient-reported outcomes (quality of life), and use of 'real world' data such as health care database analyses, observational studies, and patient registries. Health care includes use of pharmaceuticals, biologics, genetically-derived products, medical devices, delivery systems, and health services.

Annual student dues for ISPOR are \$35 (2011-2012).

Once again, welcome to the College of Pharmacy and we look forward to your membership.

**ADDITIONAL
INFORMATION**

1. If you have questions regarding academic issues, you may discuss them with the Associate Dean for Academic Affairs, or if you have questions regarding your program of study and other requirements associated with the Professional Program, contact:

Denise Brenes, Director of Student Affairs
Office of Student Affairs
250F Skaggs Hall
581-1848

Stephanie Chou, Academic Advisor
Office of Student Affairs
250H Skaggs Hall
581-5384

2. Make it a habit to **check your mailbox** next door to Room 250 and across from the Pharmacy Computer Laboratory (216 Skaggs Hall) of Skaggs Hall **and your university e-mail**. Notices and course work are distributed to you through your mailbox and e-mail.
3. It is **your responsibility** to inform the Student Affairs Office (250H Skaggs Hall) of any changes in your current status (i.e., name, address, telephone number, etc.). Important letters are mailed directly to your home address. If you leave Salt Lake City during the summer, please provide your summer address to the Student Affairs Office (250H Skaggs Hall) at the end of Spring Semester to ensure that you receive information regarding the next academic year.
4. ASUU courtesy phones are located in the basements of Skaggs Hall and the Health Sciences Library.
5. Access to the College of Pharmacy Computer Laboratory, 216 Skaggs Hall, is obtained through your Student ID Card. You need to complete a registration form (which is part of the orientation packet) and return it to Sarah Lindsey. She will give you access to the Computer Laboratory.
6. **Please refrain from taping posters, announcements, etc., on windows and walls.** There are six bulletin boards located throughout Skaggs Hall for this purpose.
7. The Bistro Café @ the Hub is located on the first floor of the Health Sciences Education Building. The Wasatch Eatery is located in the West Pavilion 'A' level of the University Hospital (two buildings north of Skaggs Hall). Heritage Commons cafeteria is located about one block south of Skaggs Hall. Primary Children's Medical Center cafeteria is located on the first floor.
8. The Eccles Health Sciences Library hours for Fall and Spring Semesters are:

<i>Monday - Thursday</i>	<i>7:00 a.m. to 9:00 p.m.</i>
<i>Friday</i>	<i>7:00 a.m. to 6:00 p.m.</i>
<i>Saturday</i>	<i>10:00 a.m. to 6:00 p.m.</i>
<i>Sunday</i>	<i>1:00 p.m. to 9:00 p.m.</i>

The library has extended hours during exam week and reduced hours between semesters.

9. The College of Pharmacy lockers are located on the second floor of the Health Sciences Education Building.
10. The Health Sciences Bookstore is open from 8:00 a.m. to 5:30 p.m. Monday through Friday only, and is located in the Health Sciences Education Building (HSEB), first floor.

Utah Department of Occupational and Professional Licensing Web Sites

Licensure information and Rules & Regulations for Pharmacy:

<http://www.dopl.utah.gov/licensing/pharmacy.html>

Utah Recovery Assistance Program:

<http://www.dopl.utah.gov/programs/urap/index.html>

University of Utah Web Sites

General Catalog and Class Schedule:

<http://www.ugs.utah.edu/catalog>

Income Accounting and Student Loans:

<http://fbs.admin.utah.edu/income/>