Doctor of Pharmacy Program Elective Options

Pharm.D. students are required to complete elective courses throughout the curriculum. A wide variety of courses (within the College of Pharmacy and other departments around campus) are acceptable elective options for Pharm.D. students. A complete list of approved Pharm.D. elective courses is available on the Electives section of the College's website. Elective options may change. Changes will be posted to the College of Pharmacy website.

Please be aware of the following as you select your elective each year:

- 2 credits of elective must be taken each year (P1, P2, and P3). Credit from the P1 year may not be used toward the P2 elective requirement etc. Policies regarding elective experiences in the P4 year can be found in the Advance Pharmacy Practice Experiences (APPE) manual.
- No more than one 300-level course may serve as a Doctor of Pharmacy elective. Consult with an advisor if you believe that a second 300-level course is especially relevant to your academic or professional goals.
- Students may use any two 1 credit courses to satisfy the 2-credit elective requirement. Both courses must be completed in the same academic year and a student can only satisfy the elective requirement using 1 credit courses once in their professional program, except for PHAR 701 (research). Unlike other electives, PHAR 701 may be repeated for more than 2 credits during the Pharm.D. program.
- Research or Independent Study can be used as an elective but must be approved before the beginning of the term. The completed Elective Request Form should be submitted online.
- Electives taken during the summer between the P1 and P2 years may count toward the P1 or P2 year. Courses taken during the summer between the P2 and P3 years may count toward the P2 or P3 elective. Only one course may be taken for elective credit during the summer.
- Elective courses may not be taken for S/U grading.
- A 'C-'or higher or a 'P' must be earned for the class to meet the elective requirement.
- Courses taken prior to starting the Pharm.D. program will not count toward the elective requirement even if the course is on the approved elective list.
- Failure to complete an approved elective each year could stop progression in the Pharm.D. program.

Students are responsible for checking all course requirements and prerequisites in the course catalog. In order to enroll in some approved elective courses, Doctor of Pharmacy students may need to secure overrides from the offering department. Students are responsible for securing overrides prior to registration.

If a course not listed here is especially relevant to your academic and professional goals, you can request that it be approved as an elective for you by using the petition form.

PHARMACY COURSES

* C= Corvallis, P=Portland, R=Fully Remote

Department & Course	Credits	Course Description	Term	Students	Campus*	Notes
PHAR 701 Research	Variable	Research conducted by professional pharmacy students under faculty supervision.	Any	Any	Either	This course can be used to meet one elective requirement. Please choose the section with the correct faculty member. You and the faculty member must complete the Elective Request Form prior to the start of the term.
PHAR 704 Research Seminar	1	Students will be exposed to cutting-edge research in this seminar that meets weekly.	F,W,Sp	Any	C or R	Repeatable 1 time for a maximum of 2 credits.
PHAR 705 History of Pharmacy	2	This course is intended to provide an overview of the history of pharmacy, through readings, lectures and research on historical items. It will include the development of the practice of pharmacy in Western and Non-Western cultures, the evolution of pharmacy practice in the United States, key regulations impacting the practice of pharmacy, changes in pharmacy education, the growth of the pharmaceutical industry, and a focus on the practice of pharmacy in Oregon. A pharmacy artifact collection will be available to provide historical perspectives on pharmacy in Oregon and the United States.	W	Any	C	
PHAR 705 Intro Adult Medicine	2	Patient Case Seminar is designed to begin developing student skills in applying didactic learning to case-based drug therapy problem identification, assessment, and plan. The course will use existing patient cases from both inpatient and outpatient settings and involve clinical faculty from both the inpatient and outpatient settings. Content draws on knowledge from prerequisite courses in anatomy and physiology and microbiology as well as from P1 Pharmacy Practice. In a discussion-based setting, students will begin to learn to integrate and apply knowledge to	W	P1	P	In-person attendance in Portland is required

		problem-solve drug therapy concerns and communicate their findings in both written and oral format.				
PHAR 705 Ambassadors	2	To allow the Ambassadors to train, discuss and develop as professional leaders and representatives of the College and develop their professional goals within the PharmD program. Trainings will cover professional communication, representation at recruiting events and current student interactions. Professional development opportunities will include discussions and exercises that will help the student develop self-awareness surrounding their professional goals, leadership potential and career search materials. Prerequisite: First professional year standing. Instruction permission required.	W	P1	C or P	By permission only
PHAR 705 Oncology	2	Develop an understanding of the drug therapy management of pediatric patients, including standard therapies and controversies.	W	P3	P	
PHAR 705 Pediatric Pharmacotherapy	2	Develop an understanding of the drug therapy management of pediatric patients, including standard therapies and controversies.	W	P3	P	
PHAR 777 Acute Medical Emergencies	2	Drug therapy management in the critically ill patient.	W	P3	P	
PHAR 778 Advanced Adult Medicine	2	Adult medicine elective utilizes actual patient cases to enhance knowledge of pharmacy and the pharmacologic basis of therapeutics in the setting of adult medicine, emphasizing application or current guidelines and major clinical trials for commonly encountered disease states.	W	P3	P	
PHAR 563 Cancer and Chemoprevention	2	A summary of mechanisms of cancer progression, how cancer is detected, and	S	P2 only.	C	

		introduction to chemoprevention using targeted therapy and alternative medicine.				
PHAR 705 Intro to Leadership	2	Provides basic fundamental leadership skills that can be applied to both educational and professional career with a focus on self-awareness, communication, conflict, teamwork, change management and problem solving. Recommended for students considering a position in the Oregon State Student Pharmacy leadership or those pursuing a residency. Complements other pharmacy leadership courses.	Sp	P1 & P2	C orR	
PHAR 713 Spanish for Pharmacy Professionals	2	For the pharmacy professional with little or no Spanish language background (those with some Spanish language skills would find it beneficial). The course is presented in a video format with in-class facilitator for discussion. Provides basic Spanish grammar instruction but the focus will be on vocabulary and communication in a community pharmacy environment.	Sp	Any	C	
PHAR 717 Senior Care Pharmacy	2	Students gain familiarity with the knowledge base involving important aspects of medication use and misuse in the older individual; and become aware of opportunities for pharmacists in senior care.	Sp	Any	C or R	
PHAR 718 Natural Product Drug Development	2	This is an introductory course that provides an overview of the process of drug development, with an emphasis on natural product sources of lead compounds. Top-selling and mainstay drugs will be researched in literature assignments and discussed to illustrate historical and current drug development paradigms. In addition, future approaches to drug discovery and paradigm shifts to incorporate concepts such as network pharmacology will be explored.	Sp	P2 only	C or R	

PHAR 719 Poisons and Toxins	2	Covers many different types of substances, including common household poisons, poisonous plants and mushrooms, toxic gases/metals, shellfish toxins, and other natural toxins. Aspects of the chemistry and pharmacology of the poisons, antidotes/treatments, and occasional case studies will be covered. Historical examples and current events will also be incorporated into the course materials.	Sp	P1, P2	C or R	

OTHER UNITS

Anthropology Courses

Department & Course	Credits	Course Description	Notes
ANTH 383 Introduction to Medical Anthropology	3	See catalog.	Su, Fa, Wi, Sp

Business Administration Courses

Department & Course	Credits	Course Description	Notes
BA 360 Introduction to Financial Management or BA 515 Managerial Decision Tools	4/3	See catalog.	No more than one 300-level course may serve as a Doctor of Pharmacy elective. Su, Fa, Wi, Sp
BA 390 Marketing or BA 516 Creating Value in Exchange	4/3	See catalog.	No more than one 300-level course may serve as a Doctor of Pharmacy elective. Su, fa, wi, sp
BA 357 Operations Management or BA 514 Operations Management	4/3	See catalog.	No more than one 300-level course may serve as a Doctor of Pharmacy elective. Su, Fa, Wi, Sp
BA 513 Business Legal Environment	3	See catalog.	Su, Wi, Sp
BA 528 Financial and Cost Analysis	3	See catalog.	Sp
BA 531 Business Law - Technology/New Ventures or BA 533 Business Law for Managers	3	See catalog.	
BA 540 Corporate Finance	3	See catalog.	Fa, Wi
BA 550 Organization Leadership and Management	3	See catalog.	Fa
BA 555 Practical Business Analysis	3	See catalog.	Fa, Wi
BA 561 Supply Chain Management	3	See catalog.	Wi, Sp
BA 562 Managing Projects	3	See catalog.	Fa
BA 569 Advanced Strategic Management	3	See catalog.	Su, Fa

BA 572 Advanced Information Systems	3	See catalog.	Su, Sp
BA 590 Marketing Management	3	See catalog.	Fa, Wi

Kinesiology Courses

Department & Course	Credits	Course Description	Notes
KIN 324 Exercise Physiology	4	See catalog.	Su, Fa, Wi, Sp

History of Science Courses

Department & Course	Credits	Course Description	Notes
HSTS 417 History of Medicine	4	See catalog.	Su, Fa, Wi, Sp
HSTS 418 Science and Society	4	See catalog.	
HSTS 425 History of the Life Sciences	4	See catalog.	

Human Development & Family Sciences Courses

Department & Course	Credits	Course Description	Notes
HDFS 314 Adult Development and Aging	4	See catalog.	No more than one 300-level course may serve as a Doctor of Pharmacy elective. Su, Fa, Wi, Sp
HDFS 587 Social Gerontology	3	See catalog.	

Integrative Biology

Department & Course	Credits	Course Description	Notes
IB 515 Science Communication: Making Your Science Matter	2	See catalog.	

Microbiology Courses

Department & Course	Credits	Course Description	Notes
MB 330 Disease and Society	3	See catalog.	No more than one 300-level course may serve as a Doctor of Pharmacy elective. Su, Wi, Sp
MB 420 Microbial Genomes, Biogeochemistry, and Diversity	3	See catalog.	Fa

MB 480 General Parasitology	3	See catalog.	Wi, Sp

Nutrition Courses

Department & Course	Credits	Course Description	Notes
NUTR 312 Issues in Nutrition and Health	3	See catalog.	No more than one 300-level course may serve as a Doctor of Pharmacy elective. Su, Fa, Wi, Sp
NUTR 514 Health Benefits of Funct Foods, Nutraceut, Dietary Supplements	3	See catalog.	

Philosophy Courses

Department & Course	Credits	Course Description	Notes
PHL 444/544 Biomedical Ethics	4	See catalog.	Su, Fa, Wi, Sp

Psychology Courses

Department & Course	Credits	Course Description	Notes
PSY 330 Brain and Behavior	4	See catalog.	No more than one 300-level course may serve as a Doctor of Pharmacy elective. Su, Fa, Wi, Sp
PSY 350 Human Lifespan Development	4	See catalog.	No more than one 300-level course may serve as a Doctor of Pharmacy elective. Su, Fa, Wi, Sp
PSY 498 Health Psychology	4	See catalog.	Su, Fa, Wi, Sp

Public Health Courses

Department & Course	Credits	Course Description	Notes
H 320 Introduction to Human Disease	3	See catalog.	No more than one 300-level course may serve as a Doctor of Pharmacy elective. Su, Fa, Wi, Sp
H 425 Foundations of Epidemiology	3	See catalog.	Su, Fa, Wi, Sp
H 432 Economic Issues in Health and Medical Care	3	See catalog.	Fa

H 465 Public Health and Women: Social and Policy Issues	3	See catalog.	
H 467 Long-Term Care Alternatives	3	See catalog.	
H 476 Planning and Evaluating Health Promotion Programs	4	See catalog.	Su, Fa, Wi, Sp
H 522 Health, Aging and Control of Chronic Diseases	4	See catalog.	
H 527 Case Studies in International Health	3	See catalog.	

Sociology Courses

Department & Course	Credits	Course Description	Notes
SOC 350 Health, Illness and Society	4	See catalog.	No more than one 300-level course may serve as a Doctor of Pharmacy elective. Wi

Toxicology Courses

Department & Course	Credits	Course Description	Notes
TOX 429 Toxic Substances in Food	3	See catalog.	

Non-OSU Courses

Department & Course	Credits	Course Description	Notes
APhA Institute on Alcoholism and Drug Dependencies		You must register for University credit (see APhA website) to earn elective credit. Please notify the Director of Student Services if you plan on using this program for elective credit. An official transcript showing successful completion of the course must be sent to the Director of Student Services.	You must register for University credit (see APhA website) to earn elective credit.
Professional Compounding Centers of America (PCCA)		Compounding classes offered on-site in Texas. Only advanced classes qualify for elective credit. Must receive approval from the Director of Student Services prior to earning elective credit.	
Veterinary Pharmacy		Creighton University and the University of Florida offer courses. Must receive approval from the Director of Student Services prior to earning elective credit. An official transcript showing successful completion of the course must be sent to the Director of Student Services.	