TEMPLE UNIVERSITY

School of Pharmacy
Academic Program Student Learning Outcomes

Program Description	Program Degree	Student Learning Outcomes
GLOBAL CLINICAL AND PHARMACOVIGILANCE REGULATIONS	MS	Surveys of students were conducted using both Survey Monkey and individual phone surveys of whether they were satisfied with the course and whether key learning objectives were met. In additional students were asked whether course content reflected current industry practice and was applicable to their current positions.
GLOBAL PHARMACOVIGILANCE BENEFIT-RISK MANAGEMENT	GRAD	Students should understand the need for pharmacovigilance regulations;
		Students should understand the evolution of pharmacovigilance regulations
		Students should understand the domestic and international pharmacovigilance requirements and regulations for healthcare products
		Students should understand the differences in regulations between product types and regions
		Students should be able to contextualize and interpret safety data
		Students should be familiar with pharmacovigilance terminology and stakeholders
		Students should understand the pharmacovigilance quality management system and preparation for pharmacogvigilance inspections
		Students will learn the key concepts and rationale for Benefit-Risk Assessments of healthcare products throughout their lifecycles.
PHARMACEUTICAL SCIENCES	MS	1: Think critically and solve complex scientific problems.
		2: Read, analyze, and explain research presented in publications and seminars and synthesize scientific presentations and publications.
		3: Conduct high-quality research (i.e., publishable in peer-reviewed journals).
		4: Communicate research results effectively verbally and in writing.
		5: Demonstrate competency in teaching scientific principles to professional and graduate students.
		6: Make rational, ethical, and responsible decisions in conducting research.
		7: Demonstrate sensitivity and tolerance of cultural, societal and economic diversity.
		8: Self-assess learning needs to design, implement, and evaluate strategies to promote intellectual growth and continued competence in discipline.
PHARMACEUTICAL SCIENCES	PHD	1: Think critically & solve complex scientific problems.
		2: Read, analyze, and explain research presented in publications and seminars and synthesize scientific presentations and publications
		3: Demonstrate the ability to conceive, conduct, and direct scientific research (e.g., develop hypotheses and alternatives, unique or novel methods, measurements or analysis).
		4: Communicate research results effectively verbally & in writing.
		5: Demonstrate competency in teaching scientific principles to professional and graduate students.
		6: Make rationale, ethical, and responsible decisions in conducting research.
		7: Demonstrate sensitivity & tolerance of cultural, societal and economic diversity.
		8: Self-assess learning needs to design, implement, & evaluate strategies to promote intellectual growth & continued competence in discipline.

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Program Description	Program Degree	Student Learning Outcomes
PHARMACY	DPH	1: Think critically and solve complex problems.
		2: Communicate effectively verbally and in writing
		3: Demonstrate interpersonal skills and a professional demeanor.
		4: Make rational, legal, ethical and responsible decisions.
		5: Demonstrate sensitivity and tolerance of the cultural, societal and economic diversity in patients.
		6: Assume responsibility for optimizing patient outcomes related to medication therapy
		7: Maintain professional competency by self assessing learning needs to design,implement and evaluate strategies to promote intellectual growth and continued professional development.
		8: Design, implement, monitor, evaluate, and adjust evidence based pharmacy care plans that are patient specific; address health literacy, cultural diversity, behavioral and psychosocial issues. (There are 11 enabling objectives associated with this competency)
		9: Provide population-based care, by participating in and contributing to the development of population specific, evidence-based: 1) formulary management decisions, 2) disease management programs and protocols, 3) criteria for medication use reviews, 4) risk reduction strategies that are based upon analysis of clinical, epidemiologic and pharmacoeconomic data.
		10: Evaluate medication use systems, to minimize drug misadventures and optimize patient outcomes by applying patient- and population-specific data, quality improvement strategies, medication safety and error reduction techniques.
		11: Manage and use resources to provide, assess, and coordinate safe, accurate, and time-sensitive medication distribution and administration to optimize therapeutic outcomes associated with the use of medications. (There are 5 enabling objectives under this competency)
		12: Promote health improvement, wellness, and disease prevention in cooperation with patients, communities, at-risk populations, and other members of an interprofessional team of health care providers.
		13: Identify and explain how human, financial and physical resources are utilized to optimize the medication use process and to implement innovative pharmacy services.
REGULATORY AFFAIRS AND QUALITY ASSURANCE	MS	Semester long analysis of key courses offered in pharmacovigilance within the RAQA graduate program, including teleconferences every other week with key faculty members. Faculty tallied and reviewed all learning objectives in pharmacovigilance courses; reviewed one another's syllabi, assignments, and exams, and also created a lexicon of commonly used global pharmacovigilance terminology that is now distributed to students taking these courses.